

16.	Dr. R. Soundravally	Assessment of DNA damage and total oxidant-antioxidant status in dengue/ DHF patients for prognosis.	2014–2015	JIPMER Intramural Research grant ₹2,50,000/-	MicrobiologyMedicine and Pediatrics	Ongoing
17.	Dr. Soundravally R.	Gene expression profile of selected inflammatory and oxidant-anti oxidant genes in dengue using peripheral blood mononuclear cells and their correlation with disease severity- a pilot study	2012–2015	JIPMER Intramural Research grant ₹3,00,000/-	MicrobiologyMedicine and Pediatrics	Ongoing
18.	Dr. R. Soundravally	Platelet associated molecular targets for inflammation, vascular integrity, thrombocytopenia and disease severity in Dengue infection	2013–2016	JIPMER Intramural Research grant ₹3,00,000/-	MicrobiologyMedicine and Pediatrics	Ongoing
19.	Dr. R. Soundravally	Effect of Carica papaya leaf extract on platelet aggregation, membrane fluidity and P-selectin expression in Dengue infection: A randomized controlled trial.	2014–2016	JIPMER Intramural Research grant ₹2,00,000/-	MicrobiologyMedicine and Pediatrics	Ongoing
20.	Dr. R. Soundravally	Utility of CSF iron indices and ceruloplasmin to differentiate bacterial and aseptic meningitis in children	2013–2014	JIPMER Intramural Research grant ₹25,000/-	MicrobiologyMedicine and Pediatrics	Ongoing
21.	Dr. Medha R.	Immunogenetics of psoriasis vulgaris in South Indian population.	3 years	ICMR, New Delhi- ₹ 29.32 lakhs	Dermatology, Clinical Immunology	Ongoing
22.	Dr. Medha R.	Study of genetic factors involved in the pathogenesis of psoriasis vulgaris	3 years	DBT, New Delhi-Rapid Grant for Young Investigators- ₹29.7 lakhs	Dermatology, Clinical Immunology, Biostatistics	Ongoing
23	Dr. Medha R.	Biomarkers of atherothrombosis, inflammation, endothelial dysfunction, insulin resistance, oxidative stress and associated cardiovascular risk in patients with psoriasis in South Indian population.	3 years	DST, New Delhi-Fast Track Scheme of Young Scientists- ₹22.98 lakhs	Dermatology, Cardiology, Biostatistics	Ongoing

(Continued)

S. No.	Name of the Principal Investigator	Title of the Project	Duration of the Project	Funding Agency and Total Funds Sanctioned	Collaborating Departments	Status
24.	Dr. Medha R.	Biomarkers of cardiovascular risk and associated gene polymorphisms in patients with psoriasis in South Indian population	Concept proposal approved by ICMR, New Delhi in March 2014	ICMR, New Delhi ₹40 lakhs requested	Dermatology, Cardiology, Pharmacology	Concept Proposal Approved by ICMR, New Delhi in March 2014
25.	Dr. Medha R.	IL-10 and IL-13 gene polymorphisms in non-segmental vitiligo in South Indian population	3 years (2013-2016)	JIPMER Intramural fund ₹6,00,000/-	Dermatology	Ongoing
26.	Dr. Medha R.	BDNF, NT-3, hs-CRP and IL-6 levels in suicide attempters	1 year (2013-2014)	JIPMER Intramural fund ₹25,000/-	Psychiatry	Ongoing
27.	Dr. Medha R.	Cortisol, hs-CRP and IL-18 levels in chronic urticaria	1 year (2013-14)	JIPMER Intramural fund ₹25,000/-	Dermatology, Psychiatry	Ongoing
28.	Dr. Medha R.	Adiponectin and resistin gene polymorphisms in psoriasis in South Indian population	2 years (2012-14)	JIPMER Intramural fund ₹2,00,625/-	Dermatology, Cardiology, Pharmacology	Ongoing
29.	Dr. Medha R.	25-hydroxy vitamin D, high sensitivity C-reactive protein and ischemia modified albumin levels in patients with psoriasis	1 year (2012-2013)	JIPMER Intramural fund ₹25,000/-	Dermatology	Ongoing
30.	Dr. Medha R.	Lipid peroxidation, lipoprotein a., oxidized LDL and antibody to oxidized levels in patients with psoriasis vulgaris	1 year (2012-2013)	JIPMER Intramural fund ₹25,000/-	Dermatology	Ongoing
31.	Dr. Medha R.	IL-2 and IL-4 gene polymorphisms in psoriasis vulgaris in South Indian population	2 years (2011-13)	JIPMER Intramural fund ₹2,00,625/-	Dermatology, Clinical Immunology	Ongoing
32.	Dr. Medha R.	HLA-Cw6 in psoriasis vulgaris in South Indian population	2 years (2011-2013)	JIPMER Intramural fund ₹1,00,000/-	Dermatology, Clinical Immunology	Ongoing

33.	Dr. Nandeesh H.	Assessment of Carbohydrate deficient transferrin, Pentraxin-3 and Procollagen III peptide in Alcoholic Cirrhosis. Its association with disease severity	2 years (March 2012–February 2014)	JIPMER Intramural fund ₹2,00,000/-	Medicine	Ongoing
34.	Dr.H. Nandeesh H.	Thyroid hormones and prolactin levels in male patients with Schizophrenia	1 years (March 2013–February 2014)	JIPMER Intramural fund ₹25,000/-	Psychiatry	Ongoing
35.	Dr.H. Nandeesh H.	Oxidative stress, copper, hs C-reactive protein and matrix metalloproteinase-9 in male patients with schizophrenia	1 years (March 2013–February 2014)	JIPMER Intramural fund ₹26,990/-	Psychiatry	Ongoing
36.	Dr. Balasubramanian Vairappan	Investigation of NOSTRIN on the regulation of nitric oxide production in the pathogenesis of liver disease	5 years (April 25, 2013–April 24, 2018)	DBT- Ramalingaswami Fellowship ₹8,200,000	None	Ongoing
37.	Dr. Balasubramanian Vairappan	Effect of Candesartan Cilexetil on the modulation of ADMA-DDAH axis in the pathogenesis of hepatorenal syndrome	3 years. The concept proposal of the project has been accepted and the expanded version of the full proposal has been submitted.	ICMR ₹4,050,000	None	Under final consideration for funding
38.	Dr. Balasubramanian Vairappan	Molecular and cellular mechanisms of diminished nitric oxide bioavailability in the pathogenesis of portal hypertension	5 years Preliminary application accepted	Wellcome trust, UK. ₹3.5 crore	University College London-Institute for Liver and Digestive Health, London, UK.	Full application to be submitted
39.	Dr. Senthilkumar G.P.	Insulin resistance and adiponectin levels in diabetes mellitus patients with urolithiasis	1 year (2012–2013)	JIPMER Intramural fund ₹25,189/-	Urology	Completed
40.	Dr. Senthilkumar G.P.	High sensitive C—reactive protein and interleukin-6 levels in diabetes mellitus patients with urolithiasis.	1 year (2012–2013)	JIPMER Intramural fund ₹25,173/-	Urology	Completed

Dr. Prashant S. Adole

- i. Attended seminar on Translational Research held on January 24, 2014 at NTTC hall, JIPMER Academic center, JIPMER.

Dr. Senthil Kumar G.P.

- i. Paper entitled “Attenuation of Oxidative Stress, Inflammation and homocysteine by *Allium sativum* in Fructose–Fed Male Rats” (Oral presentation) presented at International Conference on Recent Trends in Free Radicals and Antioxidant Research and XIII Annual meeting of the SFRR-India, January 27–30, 2014, Mumbai.
- ii. Attended the “Workshop on Curriculum Development” for B.Sc. (Allied Medical Sciences)” January 25, 2014 organized by JIPMER, Puducherry.
- iii. Attended the “Workshop on Purchase Procedures for Faculty” April 28, 2013 organized by Department of Medical Education, JIPMER.
- iv. Attended the “Workshop on setting Multiple Choice Questions (MCQs)” August 11, 2013 organized by Department of Medical Education, JIPMER.
- v. Attended the Workshop on Question Paper Setting” July 7, 2013 organized by Department of Medical Education, JIPMER.
- vi. Attended seminar on ‘Translational Research’ organized by Division of Research at JIPMER, Puducherry in January 24, 2014.

PUBLICATIONS**Journals**

1. Adole PS, Singh A, Kharbanda PS, and Sharma S. Phenotypic interaction of simultaneously administered isoniazid and phenytoin in patients with tuberculous meningitis or tuberculoma having seizures. *Eur. J. Pharmacol.* 2013; 714: 157–62, (Impact Factor 2.59).
2. Aishwarya S, Rajendiran S, Kattimani S, Dhiman P, Haritha S, and Ananthanarayanan PH. Homocysteine and serotonin: association with postpartum depression. *Asian J. Psychiatr.* 2013; 6: 473–7.
3. Babu MS, Bobby Z, Habeebulah S, Srilatha K, Lalitha V, and Niranjana G. Fasting insulin levels, lipid profile and proteinuria an index of cardiovascular risk in euglycemic preeclampsia. *RA Publ.* 2014; 3: 24–9.
4. Balasubramanian V, et al. Importance of Connexin-43 based gap junction in cirrhosis and acute on chronic liver failure. *J. Hepatol.* 2013; 58: 1194–1200, (Impact factor 9.9).
5. Chandrashekar L, Rajappa M, Sundar I, Munisamy M, Ananthanarayanan PH, and Thappa DM, ToiPCh. Platelet activation in chronic urticaria and its correlation with disease severity. *Platelet.* 2014; 25: 162–5, (Impact factor 2.24).
6. Chandrashekar L, Rajappa M, Sundar I, Munisamy M, Ananthanarayanan PH, and Thappa DM, ToiPCh. Vascular endothelial growth factor levels in patients with chronic urticaria. *Clin. Chim. Acta.* 2013; 422: 44–6, (Impact factor 2.85).
7. Ghorpade AG, Majgi SM, Sarkar S, Kar SS, Roy G, Ananthanarayanan PH, and Das AK. Diabetes in rural Pondicherry, India: A population-based study of the incidence and risk factors. *WHO South-East Asia J. Public Health.* 2013; 2: 3–4, (Impact factor – NA).
8. Harikrishna B, Pal P, Pal GK, Balachander J, Jayasettiaselone Sreekanth Y, Sridhar MG, and Gaur GS. Effect of yoga therapy on heart rate, blood pressure and cardiac autonomic function in heart failure. *J. Clin. Diagn. Res.* 2014; 8: 14–6, (Impact factor 0.14).
9. Harikrishna B, Pal P, Pal GK, Balachander J, Jayasettiaselone Sreekanth Y, Sridhar MG, and Gaur GS. Yoga training in heart failure NYHAI-II. reduces oxidative stress and inflammation. *J. Exer. Physiol.* 2014; 17: 10–18, (Impact factor – NA).

10. Harikrishna B, Pal P, Pal GK, Balachander J, Jayasettiaselone Sreekanth Y, Sridhar MG, and Gaur GS. Yoga improves quality of life and functional capacity in heart failure patients. *Biomed. Res.* 2014; 25: 178–182, (Impact factor – NA).
11. Ikkurthi S, Rajappa M, Nandeesh H, Satheesh S, Sundar I, Ananthanarayanan PH, and Harichandrakumar KT. Hyperhomocysteinemia and hyperlipoproteinemia in obese South Indian men: An indication for increased cardiovascular risk. *Acta Physiol. Hung.* 2014; 101: 13–20, Impact factor 0.883..
12. Joy R, Pournami F, Bethou A, Bhat VB, and Bobby Z. Effect of therapeutic hypothermia on oxidative stress and outcome in term neonates with perinatal asphyxia: A randomized controlled trial. *J. Trop Ped.* 2013; 59: 17–22, (Impact factor 1.006).
13. Joy R, Krishnamurthy S, Bethou A, Rajappa M, Ananthanarayanan PH, and Bhat BV. Early versus late enteral prophylactic iron supplementation in preterm very low birth weight infants: A randomised controlled trial. *Arch. Dis. Child Fetal. Neonatal. Ed.* 2014; 99: F105–9, (Impact factor 3.054).
14. Pal GK, Adithan C, Ananthanarayanan PH, Pal P, Nanda N, Durgadevi T, et al. Association of sympathovagal imbalance with cardiovascular risks in young prehypertensives. *Am. J. Cardiol.* 2013; 112: 1757–62, (Impact factor 3.408).
15. Pal GK, Adithan C, Dutta TK, Pal P, Nanda N, Syamsundara KAN, et al. Preference for salt contributes to sympathovagal imbalance in the genesis of prehypertension. *Eur J Clin. Nutr.* 2013; 67: 586–91, (Impact factor 2.576).
16. Pal GK, Pal P, Nanda N, Amudharaj D, and Adithan C. Cardiovascular dysfunctions and sympathovagal imbalance in hypertension and prehypertension: physiological perspectives. *Future Cardiol.* 2013; 9: 53–69, (Impact factor – NA).
17. Pal GK, Pal P, Nanda N, Lalitha V, Dutta TK, and Adithan C. Sympathovagal imbalance in young prehypertensives: Importance of male-female difference. *Am. J. Med. Sci.* 2013; 345: 10–17, (Impact factor 1.334).
18. Papa D, Leela C, and Sridhar MG. Ultrasonographic scoring and risk of malignancy index in the pre-operative prediction of Ovarian malignancy. *J. Gynecol. Surg.* 2013; 4.29, 2: 61–64.
19. Parthibane V, Selvaraj N, Sathiyapriya V, Bobby Z, and Rajappa M. Increased non-enzymatic glycation of plasma proteins and hemoglobin in non-diabetic patients with acute myocardial infarction. *J. Clin. Diagn. Res.* 2013; 7: 2692–3, (Impact factor 0.14).
20. Pulimamidi VK, Murugesan V, Rajappa M, Satheesh S, and Harichandrakumar KT. Increased levels of markers of oxidative stress and inflammation in patients with rheumatic mitral stenosis predispose to left atrial thrombus formation. *J. Clin. Diagn. Res.* 2013; 7: 2445–8, (Impact factor 0.14).
21. Radhika MR, Soundravally R, Balasubramanian A, Ananthanarayanan PH and Setia S. Diagnostic value of biochemical predictive index in ovarian malignancy. *Ind. J. Physiol. Pharmacol.* 2013; 57: 318–324.
22. Rajappa M, Chandrashekar L, Sundar I, Munisamy M, Ananthanarayanan PH, and Thappa DM. ToiPCh. Platelet oxidative stress and systemic inflammation in chronic spontaneous urticaria. *Clin. Chem. Lab Med.* 2013; 51: 1789–94, (Impact factor 3.009).
23. Rajappa M, Sunil Roy TN, Raj A, Trehan V, and Mallika V. D-Dimer assay as a non-invasive test for the diagnosis of left atrial Thrombi in Indian patients with rheumatic mitral stenosis. *Afr. Health Sci.* 2013; 13: 584–9, (Impact factor 0.50).
24. Rajappa M, et al. Synergy of iron, high sensitivity C-reactive protein and ceruloplasmin with oxidative stress in non-diabetic normo-tensive South Indian obese men. *Diab. Metab Syndr.* 2013; 7: 214–7, (Impact factor 0.18).
25. Rajendiran KS, Ananthanarayanan RH, Satheesh S, and Rajappa M. Elevated levels of serum sialic acid and high-sensitivity C-reactive protein: markers of systemic inflammation in patients with chronic heart failure. *Br. J. Biomed. Sci.* 2014; 71: 29–32, (Impact factor 0.833).

26. Rathika S, Rajappa M, Chandrashekar L, Munisamy M, and Thappa DM. Effect of treatment on prolactin levels in patients with psoriasis vulgaris. *Clin. Chim. Acta.* 2014; 429: 212–4, (Impact factor 2.85).
27. Sandanalakshmi R, Samundeeswari P, R. and Soundravally R. A Non-invasive method for diagnosis of dengue fever using ultrasound image of the liver. *CiiT Int. J. Artif. Intel. Syst. Mach. Learn.* 07/2013; DOI:AIML072013010
28. Selvaraj N, Sathiyapriya V, Bobby Z, Nandeeshha H, and Agrawal A. Elevated glutathione peroxidase activity in newly diagnosed hypertensive patients: Its relation to insulin resistance. *Clin. Exp. Hypertens.* 2013; 35: 195–199, (Impact factor 1.276).
29. Senthilkumar GP, Sithara Thomas, Sivaraman K, and Sankar P, Zachariah Bobby. Study the Effect of S-Methyl L-Cysteine on Lipid Metabolism in an Experimental Model of Diet Induced Obesity. *J. Clin. Diag. Res.* 2013; 7: 2449–51, (Impact factor 0.14).
30. Sivaraman K, Senthilkumar GP, and Sankar P, Zachariah Bobby. Attenuation of Oxidative Stress, Inflammation and Insulin Resistance by Allium Sativum in Fructose Fed Male Rats. *J. Clin. Diag. Res.* September 2013; 7: 1860–62, (Impact factor 0.14).
31. Soundravally R, et al. Association between proinflammatory cytokines and lipid peroxidation in patients with severe dengue disease around defervescence. *Int. J. Infect. Dis.* January 2014; 18: 68–72, (Impact factor 2.498).
32. Soundravally R, Latha TK, Raghavan SS, Ananthanarayanan PH. and Srilatha K. Diagnostic significance of creatine kinase and its isoforms in tubal ectopic pregnancy. *J. Obstet. Gynaecol. Res.* 2013; 3912.: 1587–91, (Impact factor 0.841).
33. Soundravally R, Pukazhvandthen P, Bobby Z, and Hamide A. Plasma ferritin and indices of oxidative stress in Helicobacter Pylori infection among school children. *J. Ped. Gast. Nutr.* 2013; 56: 519–522, (Impact factor 2.196).
34. Syamsunder AN, Pal GK, Pal P, Kamalnathan CS, Parija SC, and Nanda N. Association of sympathovagal imbalance with cardiovascular risks in overt hypothyroidism. *N. Am. J. Med. Sci.* 2013; 5: 554–561.
35. Thiagarajan R, Pal P, Pal GK, Subramanian SK, Bobby Z, Das AK. et al. Cardiovagal modulation, oxidative stress and cardiovascular risk factors in prehypertensive subjects: Cross-sectional study. *Am. J. Hypertens.* 2013; 26: 850–7, (Impact factor – 3.665).

Books

1. Faculty and Residents of the department, JIPMER contributed in revising “Practical Manual in Biochemistry”, for the undergraduate and postgraduate students in Biochemistry.
2. Sridhar MG. Draft Working Purchase Manual of JIPMER.
3. Balasubramanian V, Nalini N. Effect of Leptin on Experimental Liver Injury Induced by Ethanol. Lap Lambert Academic Publishing Germany, 2013. ISBN-13: 978-3-659-43317-7 ISBN-10: 3659433179

Book Chapters

1. Nanda N. Automation in Clinical Biochemistry; Laboratory quality management & Primary and Secondary Standards. In ‘Study material in Biochemistry for DMLT Students’ published by National Institute of Open Schooling (NIOS) under ‘Ministry of Human Resource Development’, in 2013.

PATIENT CARE SERVICES

Laboratory Investigations in the department of Biochemistry from April 01, 2013 to March 31, 2014

Clinical Biochemistry	16,54,090
Emergency Medical Services	4,33,510
Hormones, Tumor Markers, etc. (ELISA, RIA, Chemiluminescence)	85,179
Special Investigations	13,321
Grand Total	1,86,100

Clinical Biochemistry

S. No.	Name of the Investigation	Number of Samples			
		OPD	IP	Emergency	Total
1.	Glucose	93,640	50,750	53,552	1,97,942
2.	Urea	72,006	47,681	48,283	1,67,970
3.	Creatinine	69,426	45,461	46,072	1,60,959
4.	Calcium (Total)	10,652	9,587	9,354	29,593
5.	Phosphorus	10,842	9,902	4,624	25,368
6.	Uric acid	11,001	8,284	4,132	23,417
7.	Total Cholesterol	18,888	12,382	-	31,270
8.	Triglycerides	18,888	12,382	-	31,270
9.	HDL Cholesterol	18,888	12,382	-	31,270
10.	LDL Cholesterol	18,888	12,382	-	31,270
11.	VLDL Cholesterol	18,888	12,382	-	31,270
12.	Total Protein	19,220	19,082	10,436	48,738
13.	Albumin	22,017	22,676	12,509	57,202
14.	Globulin	19,220	19,076	10,436	48,732
15.	Bilirubin-Total	34,363	33,381	18,018	85,762
16.	Bilirubin-Conjugated	34,363	33,381	18,018	85,762
17.	Bilirubin-Unconjugated	34,363	33,381	18,018	85,762
18.	AST	49,702	26,784	16,060	92,546
19.	ALT	28,727	26,570	16,153	71,450
20.	ALP	28,449	26,544	16,040	71,033
21.	GGT	17,037	23,667	4,940	45,644
22.	Amylase	1,925	2,501	2,230	6,656
23.	CK- (Total)	2,147	2,144	2,298	6,589
24.	CK-MB	2,147	2,144	2,298	6,589
25.	PT	8,087	14,238	4,747	27,072
26.	INR	8,087	14,238	4,747	27,072
27.	Na ⁺	6,133	44,129	43,651	93,913
28.	K ⁺	6,133	44,129	43,651	93,913
29.	Cl ⁻	6,133	44,129	43,651	93,913
30.	Mg ⁺⁺	3,332	6,859	4,987	15,178
31.	Lithium	-	156	-	156
32.	Fluids (CSF)	-	1,582	1,430	3,012
33.	Other fluids	-	1,439	1,272	2,711
34.	Urinalysis	-	1,391	-	1,391
TOTAL		6,93,592	6,77,196	4,61,607	16,54,090

Special Investigations

S. No.	Name of the Investigation	Number of Samples
1.	Serum LDH	1,076
2.	Serum ceruloplasmin	148
3.	Serum protein electrophoresis	39
4.	Plasma fibrinogen	175
5.	Stone analysis (Gall stone + Renal stone)	30 + 42
6.	Paper chromatography	28
7.	Platelet aggregation	-
8.	Glycated hemoglobin	-
9.	Sweat chloride	-
10.	Adenosine deaminase	-
11.	24 hour urinary protein	7,046
12.	Micro albumin	178
13.	Urine BJP	685
14.	Urine PH	187
15.	Urine protein creatinine ratio	3,211
16.	Urine haemoglobin	44
17.	Urine myoglobin	40
18.	Urine osmolality	0
19.	Urine specific gravity	60
20.	Urine aminoacid	58
21.	Urine reducing sugars	47
22.	Urine cetrimide test	0
23.	Urine urobilinogens	54
24.	Urine porphobilinogens	0
25.	Urine ketones	43
26.	Urine ferric chloride test for PKU	38
27.	Urine bile salt and bile pigments	45 + 47
	TOTAL	13,321

Hormones, Tumor Markers Etc. (ELISA, RIA, CHEMILUMINESCENCE)

S. No.	Test	Number of Samples
1.	Plasma Homocysteine	435
2.	Serum Vitamin B12	-
3.	Serum Folic Acid	-
4.	Serum Total Iron	351
5.	Serum Ferritin	2,442
Hormones		
6.	Serum Free T3 (FT3)	22,588
7.	Serum Free T4 (FT4)	22,588

8.	Serum Thyroid stimulating hormone (TSH)	22,588
9.	Serum LH	1,492
10.	Serum FSH	1,550
11.	Serum Prolactin	1,187
12.	Serum Cortisol	1,506
13.	Serum GH	25
14.	Serum Testosterone	1,235
15.	Serum Estradiol	526
16.	Serum Progesterone	157
17.	Serum Total Hcg	907
18.	Serum intact PTH	1,815
Tumour Markers		
19.	Serum Alpha feto protein	672
20.	Serum carcinoembryonic antigen (CEA)	997
21.	Serum CA - 125	1,254
22.	Serum PSA	864
	TOTAL	85,179

Emergency Medical Services (EMS).

S. No.	Name of the Investigation	Number of Samples
1.	Blood Glucose	50,196
2.	Blood Urea	51,708
3.	Serum Amylase	2,769
4.	Serum Creatinine	51,533
5.	Ionized Calcium	-
6.	Ionized Magnesium	-
7.	Electrolyte Sodium	51,598
8.	Electrolyte Potassium	51,596
9.	Creatine Kinase Direct	4,991
10.	Creatine Kinase Total	5,119
11.	Bilirubin Total	21,403
12.	Bilirubin Direct	21,400
13.	SGOT (AST)	19,839
14.	SGPT (ALT)	21,121
15.	Troponin I - Card Test	1,920
16.	Blood Gas Analysis	132
17.	Haemoglobin Estimation	17,588
18.	Packed cell volume (PVC)	-
19.	Serum ALP	20,606
20.	Total Protein	21,314
21.	Troponin T—Card Test	1,159
22.	Serum Chloride	17,518
	Total	4,33,510

AWARDS, HONOURS AND OTHER PERSONAL ACHIEVEMENTS

Dr. Sridhar M.G.

- i. Successfully qualified for PG Diploma in Bioethics conducted by ICMR sponsored by NIH International Fogarty Centre, awarded by IGNOU, New Delhi

Dr. Zachariah Bobby

- i. Awarded the second prize for the Dr. Santhana Krishnan B.R. Award by the Indian Academy of Pediatrics, Tamil Nadu Chapter, Dr. Santhana Krishnan B.R. Award for co-authoring the scientific paper entitled “Oxidative stress and antioxidant status among neonates born to mothers with Pre-eclampsia and their early outcome” during the 38th Annual Conference of IAP TNSC held at Chennai on August 23 to 25, 2013.

Dr. Soundravally R.

- i. Selected for two-year FAIMER (Foundation for Advancement of International Medical Education Research) fellowship programme, Philadelphia, USA.
- ii. Awarded Young Scientist Award under Fast Track Scheme of Young Scientists, Department of science and Technology, New Delhi.

Dr. Medha R.

- i. Awarded the first prize for the Dr. Santhana Krishnan B.R. Award (for teaching hospital) by the Indian Academy of Pediatrics, Tamil Nadu Chapter, for co-authoring the scientific paper entitled “Early versus late enteral prophylactic iron supplementation in preterm very low birth weight infants: a randomized controlled trial” during the 38th Annual Conference of IAP TNSC held at Chennai from August 22 to 25, 2013.
- ii. Awarded the Dr. Premalatha Award by Indian Association of Dermatologists, Venereologists and Leprologists for co-authoring the Best Research Paper in Dermatology for the published work in chronic urticaria entitled “Evaluation of platelet activation based on platelet indices, platelet aggregability, soluble P-selectin and platelet oxidative stress in chronic urticaria”, during the valedictory function of the XI International Congress of Dermatology and 42nd Annual National Conference of the Indian Association of Dermatologists, Venereologists and Leprologists held at New Delhi from December 4 to 7, 2013.
- iii. Awarded the ICMR Short term Studentship 2014 as guide for the MBBS student project entitled “Association of magnesium status with lipid alterations in patients with chronic kidney disease”.
- iv. Awarded certificate of accomplishment for completing the online course Stat: 2.2x: Introduction to Statistics: Probability, a course of study offered by BerkeleyX, an online learning initiative of the University of California at Berkeley through edX in May 2013.
- v. Awarded certificate of accomplishment for completing the online course The Science of Safety in Healthcare, a course of study offered by John Hopkins University, an online learning initiative through Coursera in July 2013.
- vi. Awarded certificate of accomplishment with distinction for completing the online course Statistics in Medicine, a course of study offered by Stanford University, an online learning initiative through edX in August 2013.
- vii. Awarded certificate of accomplishment for completing the online course Case-Based Introduction to Biostatistics, a course of study offered by John Hopkins University, an online learning initiative through Coursera in September 2013.
- viii. Awarded certificate of accomplishment for completing the online course Stat: 2.3x: Introduction to Statistics: Inference, a course of study offered by BerkeleyX, an online learning initiative of the University of California at Berkeley through edX in May 2013.

- ix. Awarded certificate of accomplishment with distinction for completing the online course Instructional Methods in Health Professions Education, a course of study offered by John Hopkins University, an online learning initiative through Coursera in November 2013.
- x. Member of Association of DNA Fingerprinting and other technologies-India

Dr. Balasubramaniyan Vairappan

- i. Prestigious Ramalingaswami Fellowship from the Department of Biotechnology, Government of India, April 2013.
- ii. ISHSR Young Investigator Award with cash prize of USD 1,000 for presenting a research paper at the 17th International symposium on cells of the hepatic sinusoid, Osaka, Japan, September 23–25, 2013.
- iii. EASL - Young Investigator Award for presenting a research paper at the EASL special conference on “HCC summit”—Liver Cancer Management, Geneva, Switzerland, February 12–16, 2014.
- iv. Travel Award 2014—Department of Science and Technology, Government of India.
- v. Travel Award 2014—Council of Scientific and Industrial Research (CSIR).

Dr. Senthil Kumar G.P.

- i. Member of Society for Free Radical Research-India

Dr. S. Kandaswamy

- i. Awarded PhD (Medical Biochemistry) degree from Rajah Muthiah Medical College and Hospital, Annamalai University, Chidambaram

ADMINISTRATIVE, PATIENT CARE, EDUCATIONAL, RESEARCH AND OTHER ASSIGNMENTS

Dr. M. G. Sridhar

Membership, JIPMER Committees

- i. Equipment Requirement Review Committee
- ii. Equipment Purchase Committee
- iii. Library Committee
- iv. Equipment Vetting Committee, Screening OPD and Geriatric Block, JIPMER, Puducherry
- v. Chairman, Library Subcommittee for Purchase of Journals
- vi. Member, Administrative Information Services, Advisory Committee
- vii. Vidyalaya Management Committee, Kendriya Vidyalaya JIPMER Campus
- viii. Member, Institute Advisory Committee for establishing “Multidisciplinary Advanced Research Centre” at JIPMER
- ix. Member, Institute Ethics—Human Studies Committee

Assignments Undertaken

- i. Professor in Charge, Blood Collection Centres, JIPMER
- ii. Conducted inspection as a Member of the Inspection Committee to inspect the Medical College located at Puducherry Region for considering extension of provisional affiliation for MBBS Course for the Academic year 2013–2014 on 21st June 2013.
- iii. Acted as External Experts in the Selection Committee for selecting UGC-BSR Fellows for the period 2012–2013 in the Department of Biochemistry and Molecular Biology at Pondicherry University on October 25, 2013.

Biochemistry

- iv. Assisted in the Standing Selection Committee for conduct of interview for APS and Direct Recruitment to the posts of Professor and Asst. Professors in various disciplines on October 20, 2013 at Chennai.
- v. Officer In Charge Laboratory Service line, JIPMER
- vi. Chief Coordinator, BSc Allied Medical Sciences Courses, JIPMER
- vii. Coordinator, Post BSc MLT Internship programme
- viii. Chairman, Storekeepers' Recruitment Selection Committee
- ix. Nodal Officer, Laboratory Attendants In house training Committee
- x. In-charge for MD (Biochemistry) course in the department of Biochemistry, JIPMER
- xi. Guide for 2 PhD and 2 MD students in the department of Biochemistry
- xii. Presenting Officer, Fact finding Committees-four inquiries
- xiii. Drafting JIPMER Purchase Manual
- xiv. Chairman's Nominee for Selections of Teachers on Contract basis for Kendriya Vidyalaya
- xv. MCI Assessor for Inspection of Medical Colleges –UG; MCI Assessor for Inspection of Medical Colleges—PG
- xvi. Pondicherry University-Board of Studies Meetings-Undergraduate Board, School of Life Sciences, Inspection Committee for Medical and Paramedical Colleges; Bharatidasan University, Tiruchirapalli-BOS-5 year MSc Biomedical Science.
- xvii. Evaluation of Research Proposals for the following agencies
 - ◆ Kerala State Council of Science and Technology and Environment
 - ◆ Kerala State Congress, Trivandrum
 - ◆ Department of Science and Technology (DST), New Delhi
- xviii. Examiner-MD Biochemistry, MBBS, MSc Courses JIPMER, Pondicherry, Rajiv Gandhi University of Health Sciences, Karnataka, Tamil Nadu Dr. MGR University of Health Sciences, Chennai; PhD examiner—Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum
- xix. Reviewer of Journals-International Journal of Basic Medical Sciences, Indian Journal of Experimental Biology, Journal of Clinical and Scientific Research

Dr. Ananthanarayanan P.H.

- i. Officer-in-Charge of LRC, Utilities (Electrical, HVAC, DG, etc.)
- ii. Member, Equipment Purchase Committee
- iii. Member, Workshop Article Purchase Committee
- iv. Member, PAC-RRC, JIPMER
- v. Member, Hospital Waste Management Committee
- vi. Member, Linen Committee
- vii. Member of Institute Diet Committee
- viii. Member, Vidyalaya Management Committee, KV, JIPMER
- ix. Member of AIS/HIS/CRAFT Advisory Committee
- x. Member for Institute Grievance Redressal Committee
- xi. Member, Ph.D Doctoral Committee, Department of Physiology
- xii. Council Member, Heinz Nutrition Foundation, India
- xiii. Resource person for NTTC, JIPMER for National Course on Educational Science for Teachers of Health Professionals and Interns" and Postgraduate Orientation Programmes
- xiv. UG and PG Examiner, JIPMER, Puducherry

Dr. Zachariah Bobby

- i. Member of Ph.D Studies Committee, JIPMER
- ii. In-Charge, EMS Laboratory, JIPMER
- iii. Member of review board of the following journals: Metabolism, Journal of Ovarian Research, Annual Review and Research in Biology, Journal of Clinical and Diagnostic Research

- iv. Member of the Institutional Committee for Stem Cell Research & Therapy (IC-SCRT), JIPMER
- v. Member of Doctoral committee for Ph.D programmes at the Dept. of Biochemistry, Pondicherry University and in the Departments of Physiology, Pharmacology and Biochemistry, JIPMER
- vi. Member of Departmental Promotion Committee for Group A, B and C employees, JIPMER
- vii. Guide for 4 Ph.D students and 3 MD students
- viii. Examiner for the Ph.D public viva on the thesis “*Taeniasolium* infections described by *Teania* antigens and host immune response” at CMC, Vellore in April 2013
- ix. Expert member of the selection committee for the recruitment of Senior Research Fellow for the ICMR project at the Dept. of Microbiology
 - x. Conducted vetting of the question papers for JIPMER final examination for B.Sc (Nursing), B.Sc (MLT) first year and third year, M.Sc (Medical Biochemistry) first year, second year and third year and MBBS first year for the May/June exam
- Set question paper for Ph.D Part 1 methodology examination in Biochemistry, JIPMER, Puducherry
- xi. Set question paper for JIPMER final examination for M.Sc (Medical Biochemistry) and MBBS students
- xii. Deputed as official for observing the conduct of MBBS entrance examination 2013 at Trivandrum on May 2, 2013
- xiii. External expert in the evaluation of theory papers of M.Sc (Biochemistry) course of Pondicherry University for the April/May session on May 8 and 9, 2013.
- xiv. Examiner for B.Sc. MLT (1st Year), B.Sc. (AMS-CLT) 1st year and 1st year MBBS at JIPMER for the May/June session
 - xv. Member of the Selection Committee for SRF under ICMR funded research project and JRF under DBT funded research project in the Dept. of Biochemistry, JIPMER
- xvi. Question paper setter for M.Sc. Medical Anatomy and M.Sc Medical Physiology of Pondicherry University
- xvii. Question paper setter for MD Biochemistry examination of JIPMER in October 2013
- xviii. Question paper setter for M.Sc. (Medical Biochemistry) examination of JIPMER in October 2013
- xix. Question paper setter for MBBS examination of JIPMER in October 2013
- xxi. Deputed as supervisor for the conduct of written examination for the selection of staff nurses in JIPMER on 8/9/13
- xxii. Internal Expert in Institutional Bio safety Committee (IBSC), JIPMER

Dr. Soundravally R.

- i. Officer-in-Charge, Stores, Department of Biochemistry
- ii. Member, JIPMER Student Counseling Committee
- iii. Faculty Academics for Allied Medical Science Courses, JIPMER
- iv. Resource person, Interns Orientation Program on Quality Care, JIPMER
 - v. Nodal Officer, B.Sc. MLT Internship Programme, JIPMER
- vi. Member of Research Framework Document/Annual Report, JIPMER
- vii. In-Charge for the III year B.Sc-MLT course in the department of Biochemistry, JIPMER
- viii. In-Charge for the FACS Facility, SSB Biochemistry Laboratory, JIPMER
 - Life Member, JIPMER Scientific Society, National Teachers Training Centre, Association of Medical Biochemists of India, flow cytometry society of India
- ix. Guide for 3 Ph.D students and 2 MD students
 - x. Deputy Warden, Curie House I and II
- xi. Quality member, JIPMER Quality Council, JIPMER
- xii. Expert member of the Selection Committee for the recruitment of Research Assistant for the ICMR project at the Dept. of Microbiology, JIPMER
- xiii. External expert in the evaluation of theory papers of MBBS, Government Medical College, Puducherry

Biochemistry

- xiv. Question paper setter for PG entrance examination of JIPMER
- xv. Question paper setter for B.Sc-MLT examination of JIPMER
- xvi. Deputed as supervisor for the conduct of entrance examination for JIPMER

Dr. Medha R.

- i. Officer-in-Charge, Biochemistry Laboratory, Superspeciality Block, JIPMER
- ii. Special Invitee, Ethics Committee (Human Studies) since February 2014
- iii. Member, Institute Stores Articles Purchase Committee, JIPMER
- iv. Member, JIPMER Quality Champions, JIPMER Quality Council, JIPMER
- v. Member, Hospital Information Systems Committee, JIPMER
- vi. Member of Reception Committee, JIPMER Annual Convocation 2013
- vii. Member, Equipment Vetting Committee, Screening OPD and Geriatric Block, JIPMER, Puducherry
- viii. Member, Screening OPD and Geriatric Block Committee, JIPMER
- ix. In-Charge for compilation of the Annual Report of the department of Biochemistry, JIPMER
- x. Fire Safety Officer for the department of Biochemistry, JIPMER
- xi. Expert member of the Selection Committee for the recruitment of Junior Research Fellow for the ICMR project at the Dept. of Microbiology, JIPMER
- xii. Member, Doctoral Committee for PhD students in the Department of Biochemistry, JIPMER and MGMCRI, Puducherry
- xiii. Evaluation of Research Proposals for CSIR, New Delhi and DBT, New Delhi
- xiv. Evaluation of MD (Biochemistry) thesis dissertations for Dr. NTR University of Health Sciences, Vijayawada in March 2014
- xv. In-Charge for the II year M.Sc. (Medical Biochemistry) course in the department of Biochemistry, JIPMER
- xvi. In-Charge for the HPLC Facility, SSB Biochemistry Laboratory and In-Charge for Electrolyte Analyzers, Department of Biochemistry, JIPMER
- xvii. Life Member, JIPMER Scientific Society, National Teachers Training Centre, Association of Medical Biochemists of India, Indian Immunology Society, Association of DNA fingerprinting and other technologies, Association of Clinical Biochemists of India, Indian Society of Atherosclerosis Research
- xviii. Examiner for I year MBBS Practical and Oral Examinations, Government Villupuram Medical College, Villupuram, Dr. M.G.R, Medical University, August 2013
- xix. Examiner for I year MBBS theory paper central evaluation at Sri Balaji Vidyapeeth University, Puducherry, June 2013
- xx. Faculty Guide for 1 M.D. Biochemistry., 3 Ph.D. (Medical Biochemistry) and 4M.Sc. (Medical Biochemistry) students in their dissertation work in the department of Biochemistry, JIPMER
- xxi. Faculty Co-guide for 1 MD (Anatomy), 2 MD (Dermatology, Venereology and Leprology) students, 1 MD (Medicine) student, 1 MS (ENT) student, 1 MD (Pediatrics) student, and 1 MD (Obstetrics and Gynecology) student, 1 M.Ch. (Neurosurgery) at JIPMER
- xxii. Reviewer for the journals-Indian Journal of Physiology and Pharmacology, African Health Sciences, Clinical Chemistry Laboratory Medicine, Clinical Experimental Thrombosis, Heart Asia

Dr. H. Nandeesh

- i. Nodal Officer for web page for the department of Biochemistry
- ii. Examiner for M.B.B.S and III year B.Sc MLT in JIPMER, Puducherry
- iii. Examiner for III year M.Sc. (Biochemistry) in MGMCRI, Pudcherry
- iv. Member, Radiation Protection Committee

- v. Guide for One Ph.D and Two M.Sc students in their dissertation work
- vi. In-charge for I year B.Sc (Nursing), JIPMER
- vii. Reviewer for the Journals- Indian Journal of Medical Research, Journal of African Health Sciences and Journal of Contemporary Medical education

Dr. Balasubramaniyan Vairappan

- i. Posted to Biochemistry laboratory, Old Hospital Block, JIPMER to review Quality Control values from December 2013 to March 2014
- ii. In-charge of review, supervision of status and official paperwork of all types/units of Refrigerators, -20, -40, and -80°C freezers in Department of Biochemistry, JIPMER
- iii. In-charge of setting up Cell Culture Lab in the Department of Biochemistry, JIPMER
- iv. Having scientific research collaboration with Harvard Medical School, USA, University College London, UK, Institute of Biochemistry, Frankfurt University Medical School, Germany, and National Center for Cell Science, NCCS, Pune, India
- v. Editorial Board Member, World Journal of Gastroenterology/Hepatology
- vi. Member, European Association for the Study of the Liver (EASL)
- vii. Current Member, Indian National Association of Study of the Liver (INASL)
- viii. Life Member, National Teacher Training Centre for Health Professionals (NTTC)
- ix. Member, International Society for Hepatic Sinusoidal Research (ISHSR)
- x. Life Member, Indian Society for Atherosclerosis (ISAR)
- xi. Reviewer—World Journal of Gastroenterology and World Journal of Hepatology

Dr. Nivedita Nanda

- i. Deputy In-charge for SSB Biochemistry Laboratory
- ii. Nodal officer for B. Sc. MLT (AMS) Course
- iii. In-charge of review, supervision of status and official paperwork of all types/units of Electrophoresis system in Biochemistry Department
- iv. In-charge of setting and maintenance of AAS facility in SSB block and 2D Capillary electrophoresis facility in Academic center in the Biochemistry Department
- v. Co-coordinating faculty from Biochemistry department for liver and kidney transplant programme in JIPMER
- vi. Member, JIPMER Scientific Society
- vii. Editor of 'International Journal of Clinical and Experimental Physiology' (Section: Experimental and Metabolic Physiology)
- viii. Life Member, National Teacher Training Centre for Health Professionals (NTTC)
- ix. Reviewer for Indian Journal of Physiology and Pharmacology

Dr. Prashant S. Adole

- i. Deputy In-charge for Biochemistry laboratory, Emergency Medical Services
- ii. Center observer for LDC/ Steno Gr.II/ MTS written examination in February 7, 2014 at Chennai
- iii. In-charge of review, supervision of status and official paperwork of all types/units of ELISA system in Biochemistry Department
- iv. In-charge of setting and maintenance of GC-Mass Spectrometry facility in Biochemistry Department

Dr. Senthil Kumar G.P.

- i. Supervisor for DM and PhD Entrance Examination in July 2013
- ii. Center observer for written test post of LDC/Steno in February 2014

Biochemistry

- iii. Center observer for written test post of BSc nursing in September 2013
- iv. Examiner for B.Sc (AMS) in JIPMER, Puducherry
- v. Examiner for M.Sc. (Biochemistry) in Bharathidasan University, Tiruchirappalli
- vi. Guide for two M.Sc students in their dissertation work
- vii. In-charge, Institute Security Committee, JIPMER
- viii. In-charge for I year M.Sc. I year, B.Sc MLT and BSc (AMS) in the department of Biochemistry
- ix. In-charge for Students' Biochemistry Laboratory, Academic Centre
- x. Member, Doctoral Committee for PhD students in the Dept. of Biotechnology, VIT, Vellore
- xi. Life Member, SFRR
- xii. Reviewer for the Journals—Journal of European Academy of Dermatology, Journal of African Health Sciences and Journal of Food Science and Technology

SIGNIFICANT EVENTS IN THE DEPARTMENT

Visiting Professor

Dr. P Ramaraj

- i. Ex-Alumnus, Dept. of Biochemistry, JIPMER visited on September 04, 2013 and gave talk on 'Effects of Progesterone on Human Melanoma Cell Growth and other in-vitro functions—Rescue and Recovery Studies.'

Dr. Rattinaswamy P.

- i. PhD and Alumnus, Dept. of Biochemistry, JIPMER visited on February 10, 2014

Dr. Kumaravel Sooma Sunderans

- i. Professor, Dept. of Microbiology and cell Biology Indian Institute of Science, Bangalore visited on March 27, 2014 and gave talk on 'One size does not fit all: The future of Cancer Therapy'

Department of Cardiology

FACULTY LIST

- | | | |
|-------------------------------------|---|--|
| 1. SENIOR PROFESSOR | : | J. Balachander |
| 2. ADDITIONAL PROFESSOR
AND HEAD | : | Santhosh Satheesh |
| 3. ASSOCIATE PROFESSOR | : | i Raja J. Selvaraj
ii Ajith Ananthkrishnapillai
iii Mahesh Kumar |

BACKGROUND INFORMATION OF THE DEPARTMENT

The department of Cardiology at JIPMER takes pride in maintaining its status as a centre for excellence in cardiology, providing cutting edge training, treatment and research in the field. With three cath labs boasting state of the art technology including FFR, Rotablation, OCT, (Optical Coherence Tomography) and three dimensional electrophysiology mapping systems, patients from all over the country have benefited from the interventional procedures. DM Cardiology training program at the department, with an annual intake of four students is a well recognised and sought after teaching program.

EDUCATION COURSES

- i. Higher Specialty Courses—DM (Cardiology)
- ii. Other Courses—BSc (Cardiology Lab Technologist)

CONFERENCES AND CMES ORGANIZED BY THE DEPARTMENT

- i. IFRIC 2013—Fifth Indo-French Radial Intervention Course 18–20 March 2013—International workshop organized by Department of Cardiology, JIPMER
- ii. Complex Radiofrequency Ablation in Congenital heart disease workshop—13 August 2013
- iii. MEDEQSAFE-Workshop on lifesaving medical equipment management and safety—24th February 2014—Jointly organized by the department of Anaesthesiology and Cardiology
- iv. Workshop on Optical Coherence Tomography, 26 February 2014

CONFERENCES AND CMES ATTENDED BY THE FACULTY

Dr. J. Balachander

- i. Course Director, Indo French Radial Intervention Course, March 2013
- ii. National Faculty, Chairperson, Speaker, 65th Annual Conference of Cardiological Society of India, 5–8 December 2013, Bangalore

Dr. Santhosh Satheesh

- i. 'Workshop on Bioethics for members of Institute Ethics Committee' on 3rd April 2013, JIPMER.
- ii. Workshop on VSD Device Closure, CARE Hospital, 7 June 2013, Hyderabad
- iii. Advanced Cardiovascular Therapeutics- STEMI India Conference 14 July 2013, Chairperson, Chennai
- iv. Live Case Transmission Faculty, JIPMER to ACVS 2013 Conference, Hyderabad 9th August 2013
- v. Faculty and Speaker, 'Emerging Trends in Bioengineering', SASTRA University, Tanjavur, 10 August 2013
- vi. Faculty and Speaker, Kerala Medical Conclave 2013, Calicut, Kerala 24th August 2013
- vii. Faculty and Speaker, 8th National Conference of Indian Society of Cardiology, from 27 to 28 September 2013, Agra
- viii. Faculty and Speaker, 2nd National Rheumatic Heart Consortium meets, Agra, 29 Sept 2013.
- ix. Faculty and Speaker, JIPMER Quality Council Workshop on Patient Safety, 7–8 October 2013
- x. Chairperson and Panellist, Congenital Heart Disease Advances Workshop, AIMS, Kochi, 13 October 2013
- xi. Faculty and Speaker, Catheter Cardiovascular Therapeutics, Kobe, Japan 17–19 October 2013
- xii. Faculty and Speaker, Patient Safety Workshop, JIPMER 23–24 November 2013
- xiii. Delegate, Angiogenesis Workshop, Anna University, Chennai 14--15 December 2013
- xiv. Faculty and Chairperson, Tamilnadu intervention Council, Chennai 4, 5 January 2014
- xv. Faculty, Speaker, MedEqSafe, Workshop on Medical Equipment Safety, 24 February 2014, JIPMER
- xvi. Faculty, India Live 2014, New Delhi, 28th February to 2nd March
- xvii. Faculty, Chairperson, Judge for Free Papers, 5th Congress of Asia Pacific Pediatric Cardiac Society, New Delhi 7, 8 March 2014

Dr. Raja J. Selvaraj

- i. Electrophysiology—Basic concepts, CARE Hospital, Hyderabad, 28 April 2013. Attended as faculty and speaker.
- ii. ECG Club, Madurai, 19 June 2013. Attended as invited speaker.
- iii. STEMI India and ACT 2013, 12–14 July 2013. Attended as faculty and conducted quiz.
- iv. Cardiac Forum, Pondicherry, 27 July 2013. Attended as speaker.
- v. Pacemaker training program, Stanley Medical College, Chennai, 5 October 2013. Attended as faculty and speaker.
- vi. PG orientation program for I year super specialty PGs, JIPMER, 7–10 October 2013. Attended as faculty and speaker.
- vii. Indian Heart Rhythm Society (IHRS) 2013, Chennai 18–20 October 2013. Attended as faculty and quizmaster.
- viii. Basic Electrophysiology training course, CARE hospital, Hyderabad, 29–30 March 2014. Attended as faculty and speaker.

Dr. Ajith Anantha

- i. India LIVE 2013—Attended as faculty
- ii. Indian Journal Editors/Reviewers conference 2013—Faculty
- iii. Asia Pacific Pediatric Cardiology Conference 2013—Delegate
- iv. Endovascular Symposium 2013, Bangalore—Delegate

Dr. Mahesh Kumar

- i. ACVS Hyderabad 2013—Performed live case for transmission from JIPMER
- ii. Asia Pacific paediatric cardiac society conference March 2014—Delegate
- iii. India Live, Chennai 2013—Delegate

RESEARCH PROJECTS

SI No	Name of PI	Title	Duration of Project	Funding Agency/ Total Sanctioned	Collaborating Institutions/ Departments	Status
1.	Santhosh S.	REMEDY		CANNeCTIN Population Health Research Institute, Canada/5 Lakhs	International multicentre trial	Ongoing
2.	Raja S.	INTERVENE		Biosense Webster/ Fund catheters used (~1 Lakh per patient)	Indian multicenter trial	Ongoing
3.	Raja S.	Indigenous AED	2014–2017	DST/30 Lakhs	Anna University, Chennai, Industrial partner	Ongoing
4.	Santhosh S.	Magnetocardiogram in heart disease		IGCAR, Kalpakkam	DAE/20 Lakhs	Ongoing
5.	Mahesh K.	Cardiac abnormalities in ESRD		Dept. of Nephrology	JIPMER	Ongoing
6.	Mahesh K.	Paracetamol or Ibuprofen for PDA closure in preterm		Dept. of Paediatrics	No funding	Ongoing
7.	Santhosh S.	Biomarkers in Psoriasis		Depts. of Biochemistry and Dermatology	DBT/35 Lakhs	Ongoing
8.	Santhosh S.	Pharmacogenomics of Atorvastatin		Dept. of Pharmacology	DBT/26 Lakhs	Ongoing
9.	Santhosh S.	Glaucoma and CAD		Dept. of Ophthalmology	No funding	Ongoing
10.	Raja S.	Post MI study		None	Applied for DHR funding	Ongoing
11.	Raja S.	Pacing site and outcome		None	No funding	Ongoing
12.	Santhosh S.	Warfarin and Aspirin for LA thrombus		None	No funding	Ongoing
13.	Raja S.	Alternate endpoints for AVNRT ablation		None	No funding	Ongoing
14.	Raja S.	Triage score for pacemaker follow up		None	No funding	Ongoing
15.	Santhosh S.	Atherosclerosis in south Indians and Caucasians		France	No funding	Ongoing
16.	Santhosh S.	IMT and epicardial fat with and without CAD		None	No funding	Ongoing
17.	Ajith A.	Complex ASD device closure		None	No funding	Ongoing
18.	Mahesh K.	Dobutamine stress with contrast for viability assessment		None	No funding	Ongoing
19.	Santhosh S.	Radial artery occlusion after angiography		None	No funding	Ongoing
20.	Ajith A.	Outcomes of day care PTCA		None	No funding	Ongoing

PUBLICATIONS**Journal Articles**

1. Selvarajan S., Dkhar S. A., Pillai A. A. Good! Is it the best??? J. Pharmacol. Pharmacother. 2013. Jul; 4(3): 220–221
2. Ajith Ananthakrishna Pillai, Vidhyakar Rangaswamy Balasubramanian, Raja Selvaraj, Maheshkumar Saktheeshwaran, Santhosh Satheesh, Balachander Jayaraman. Utility of balloon assisted technique in trans catheter closure of very large (≥ 35 mm) atrial septal defects. Cardiovasc. Diag. Therap. 2014; 4(1): 21–27
3. Ajith Ananthakrishna Pillai, Santhosh Satheesh, Gobu Pakkirisamy, Raja Selvaraj, Balachander Jayaraman. Techniques and outcomes of transcatheter closure of complex atrial septal defects. Single centre experience. Accepted for publication in Indian Heart Journal.
4. Babu E., Santhosh S., Ajith A., Gobu P., Balachander J. and Raja Selvaraj. Coronary Sinus Diameter by Echocardiography to differentiate Atrioventricular Nodal Re-entrant Tachycardia from Atrioventricular Re-entrant Tachycardia. Cardiol. J. May 2013.
5. Raja Selvaraj. Premature Ventricular Complexes and Left atrial appendage dysfunction – Another head on a many-headed hydra? Ind. Pacing. Electrophysiol. J. 2013; 13(4): 135–135
6. Raja Selvaraj, Anandaraja S., Bhimshankar and Krishnakumar Nair. Chasing ‘Red’ Herrings: Making Sense of the Colors while mapping. Circul. Arrhythmia. Electrophysiol. Feb 2014
7. Chandramohan R., Senthil K. and Raja Selvaraj. Para systole in a Mahaim accessory pathway. IPE.J. January 2014.
8. Pradeep K., Ajith Anantha, Raja Selvaraj and Balachander Jayaraman. Heart Failure and Pulsus Alternans: An unusual presentation of first-degree heart block. Circul. Heart. Failure. 2014; 7:227–228.
9. Sushma Sharma, Aditya Murgai, Pradeep Nair, Raja Selvaraj. Transient bradycardia induced by Thiopentone Sodium – a unique challenge in the management of Refractory Status Epilepticus. BMJ Case reports. September 2013.
10. Chandramohan Ramasamy, Senthil Kumar, Jayaraman Balachander and Raja J Selvaraj. Wide complex tachycardia: What is the mechanism? J. Cardiovas. Electrophysiol. August 2013.
11. Sreekanth Yerram, Chandramohan Ramasamy, Jayaraman Balachander, Raja J Selvaraj. A Curious Alliance: Sinus nodal dysfunction precipitating atrioventricular block. J. Arrhythmia.
12. Ramasamy C., Ramteke R., Balachander J. and Selvaraj R. J. Sequential Anterograde and Retrograde Conduction Block during Radiofrequency Ablation of an Accessory Pathway. IPEJ 2013; 13(4):148–150
13. Rahul I., Krishnamurthy S., Satheesh S., Biswal N., Bobby Z., Lakshminarayanan S. Brachial artery flow-mediated dilatation and carotid intima medial thickness in pediatric nephrotic syndrome: a cross-sectional case-control study. Clin. Exp. Nephrol. 2014 Mar 18
14. Pulimamidi V. K., Murugesan V., Rajappa M., Satheesh S., Harichandrakumar K. T. Increased levels of markers of oxidative stress and inflammation in patients with rheumatic mitral stenosis predispose to left atrial thrombus formation. J. Clin. Diagn. Res. 2013 Nov;7(11):2445–2448
15. Ikkuruthi S., Rajappa M., Nandeesh H., Satheesh S., Sundar I., Ananthanarayanan P. H., Harichandrakumar K. T. Hyperhomocysteinemia and hyperlipoproteinemia (a) in obese south Indian men: an indication for increased cardiovascular risk. Acta. Physiol. Hung. 2014 Mar;101(1):13–20
16. Rajappa M., Ikkuruthi S., Nandeesh H., Satheesh S., Sundar I., Ananthanarayanan P.H., Harichandrakumar K.T. Relationship of raised serum total and protein bound sialic acid levels with hyperinsulinemia and indices of insulin sensitivity and insulin resistance in non-diabetic normotensive obese subjects. Diab. Metab Syndr. 2013 Jan-Mar;7(1):17–19
17. Subraja K., Dkhar S. A., Priyadharsini R., Ravindra B. K., Shewade D. G., Satheesh S., Sridhar M. G., Narayan S. K., Adithan C. Genetic polymorphisms of CYP2C19 influences the response to clopidogrel in ischemic heart disease patients in the South Indian TAMILIAN population. Eur. J. Clin. Pharmacol. 2013 Mar.

Books

1. Ajith Ananthakrishna Pillai, Chandra Mohan Ramasamy, Balachander Jayaraman. Dedicated Bifurcations Stents. 1st ed. Germany: Lambert Academic Publishing, 2013: 1–53

Book Chapters

1. Leo Schamroth. An Introduction to Electrocardiography. 8th adapted edition. Chapters 1,2,3,4 and 5 edited by Raja Selvaraj

PATIENT CARE SERVICES (CUMULATIVE COUNT APRIL 2013 – MARCH 2014)**Clinical****Outpatient Services**

- i. Cardiology OPD (Mon-Fri) – 40,748 patients
- ii. Special Clinics (Mon-Thu) – 8,378 patients

Inpatient Services

- i. Cardiology Coronary Care Unit –
- ii. Cardiology ward –

Laboratory**Non-invasive Cardiac Lab**

- i. ECG—1,72,458
- ii. Echo—62,903
- iii. Treadmill test—944
- iv. Holter—176
- v. Trans-oesophageal Echo—201

Invasive Cardiac Catheterization Labs

- i. Coronary angiography—2006
- ii. Diagnostic catheterization—59
- iii. Peripheral angiography—122
- iv. Electrophysiology study—81
- v. PTCA and stenting—840
- vi. Percutaneous Balloon Valvotomies—93
- vii. ASD device closure—69
- viii. PDA device closure—32
- ix. Pacemaker implant—126
- x. CRT implant—11
- xi. AICD implant—12
- xii. Simple RF ablations—231
- xiii. Complex RF ablations—20
- xiv. FFR/IVUS/Rotablation—59

AWARDS, HONOURS AND OTHER PERSONAL ACHIEVEMENTS***Dr. J. Balachander***

- i. National Co-ordinator for India in Indo French Cardiac Pacemaker Programme (Stimubanque)
- ii. Member Technical Expert UPSC for Cardiology
- iii. Member Ethical Committee, SVIMS, Thirupathi and IGGGH& PGI, Pondicherry

Department of Cardiology

- iv. Medical Council Of India Inspector for DM (Cardiology) Course
- v. Chief Examiner for National Board of Examinations in Cardiology
- vi. Examiner for DM (Cardiology)
- vii. Member DCGI, New Delhi
- viii. Member, Selection Committee, SCT, Trivandrum, AIIMS, New Delhi

Dr. Santhosh Satheesh

- i. Life Member of Cardiology Society of India
- ii. Life Member of Pediatric Cardiac Society of India
- iii. Life Member of European Society of Cardiology
- iv. Life Member, European Association of Percutaneous Coronary Interventionalists.
- v. Founding Member, National Rheumatic Heart Disease Consortium
- vi. Founding Member, Heart Failure Association of India
- vii. Reviewer for 2 National and 2 International Journals.
- viii. Initiated complex Peripheral Interventions and Hybrid Interventions in JIPMER
- ix. Initiated Complex Radial PCI programme and OCT Imaging programme in JIPMER.
- x. Invited as Faculty in major International Conferences Euro PCR in Paris, CCT in Japan.
- xi. Organising Secretary, IFRIC 2013, 2014
- xii. Joint Organising Secretary Med Eq Safe 2014

Dr. Raja J Selvaraj

- i. Section Editor, Indian Pacing and Electrophysiology Journal
- ii. Reviewer for 4 international and 3 Indian journals
- iii. Life member, Indian Heart Rhythm Society
- iv. Visiting faculty and proctor for electrophysiology procedures - PGI, Chandigarh and Trivandrum Medical College, Trivandrum
- v. Completed over 500 electrophysiology procedures at JIPMER
- vi. Performed implantation of complex devices including dual chamber defibrillators and CRT-D devices
- vii. Completed the first two chronic pacing lead explantation procedures at JIPMER in collaboration with department of Cardiothoracic Surgery without complications. This procedure is only available at a few centers in India.

Dr. Ajith Ananthkrishna Pillai

- i. Completed 1000 Coronary angioplasties at JIPMER with incredibly less mortality of 0.2% for elective PTCA and 1.7% mortality for emergency PTCA. This is on par with reputed international centers of North America/Europe
- ii. A case of trans catheter treatment for Lutembacher's Syndrome was accepted for live presentation at TCT 2013. Only 12 interventional cardiology cases were accepted all over the world.
- iii. Invited as faculty for TCT 2013, San Francisco, USA
- iv. Invited as Faculty TCT Asia Pacific Seoul, the premier interventional meeting in Asia Pacific 2013 and 2014
- v. Published the original work on Balloon Assisted Device closure of Extremely (>35mm) large ASD
- vi. Completed all the three original researches as PI in 2013 approved by JSAC and JIPMER ethics committee in 2012
- vii. Completed 150 ASD device closures at JIPMER including complex anatomy and have published 2 original researches in this regard in peer-reviewed journals
- viii. Formulated and finalized the curriculum for the BSc CLT Course, JIPMER

- ix. Performed the first hybrid endovascular repair for ruptured thoracic aneurysm at JIPMER. (TEVAR) in collaboration with Department of CTVS
- x. Started the emergency interventional treatment for Acute Stroke in collaboration with Dept. of Neurology. 2 patients underwent mechanical revascularization with significant clinical improvement.

Dr. Mahesh Kumar

- i. Initiated Foetal Echocardiography Services in JIPMER.
- ii. Joint Organising Secretary for Foetal Echocardiography Course 2014
- iii. Life Member of Cardiological Society of India
- iv. Life Member of Pediatric Cardiac Society of India

Administrative, patient care, educational, research and other assignments

Dr. J. Balachander

- i. Medical Superintendent, JIPMER
- ii. Executive Member South Asian Federation or Research In Diabetes And Atherosclerosis.
- iii. Member: Board of Studies: National Board of Examinations in Cardiology.
- iv. Member, PG Board of Studies: NTR Medical University: Vijayawada, Andhra Pradesh.
- v. Member, Board of PG Studies in Medicine: Pondicherry University.
- vi. National Faculty: Indian Heart Rhythm Society.
- vii. Member Board of Studies in Cardiac Sciences. Sree Chitra Thirunal Institute of Medical Sciences, Thiruvananthapuram, Kerala.
- viii. Examiner, DM, Cardiology
- ix. Examiner, DNB Cardiology
- x. Member, PMSSY Technical Committee Meeting

Dr. Santhosh Satheesh

- i. Examiner for DM (Cardiology)
- ii. Examiner for DNB (Cardiology)
- iii. Jipmer Quality Council—Team Leader for Root Cause Analysis and Reporting sentinel Events.
- iv. Member, PACRRC, Canteen and DPRC Committees, JIPMER
- v. Co-Ordinator for MOU and Collaboration with Paris7 University, Paris
- vi. Coordinator for MOU and Collaboration with SASTRA University, Tanjavur
- vii. Technical Committee Member to review/vet the Detailed Project Report for upgradation of Rajaji Govt. Medical College, Madurai in the Second Phase of Pradhan Mantri Swasthy Suraksha Yojana (PMSSY)
- viii. Member, Non Communicable Disease Summit of Government of Pondicherry, 6th July 2014
- ix. Secretary, JIPMER Faculty Association
- x. Member, Expert committee for the Assessment of Indigenous Stents by Indian Council of Medical Research, New Delhi
- xi. Member, Hospital Information System Implementation committee, JIPMER
- xii. Reviewer, Journal of Pharmacology and Pharmacotherapeutics

Dr. Raja J. Selvaraj

- i. Member and Coordinator—JIPMER Website Committee.
- ii. Member—JIPMER Information Technology Services (JITS)
- iii. Member, International Summit on Emergency Medicine and Trauma (ISEMT) organizing committee

Department of Cardiology

- iv. Faculty, Academic Affairs
- v. Institute Representative—Online entrance exam for MD/MD 2014
- vi. Member Departmental Purchase Committee
- vii. Officer in charge of Academic Program- Cardiology.

Dr. Ajith Anantha

- i. Departmental Nodal Officer for BSc (Cath Lab Technology), JIPMER
- ii. Officer in Charge, Resident Posting, Department of Cardiology, JIPMER
- iii. Member Departmental Purchase Committee

Dr. Mahesh Kumar

- i. Member Departmental Purchase Committee.
- ii. Officer in charge of Pediatric Cardiac Services and Echocardiography Services.
- iii. Co-Coordinator and Invigilator, DM and DNB Cardiology Clinical Examination JIPMER 2013–2014.
- iv. Co Guide for postgraduate students in the departments of Paediatrics.

SIGNIFICANT EVENTS IN THE DEPARTMENT

Visiting Professors

- i. Prof Allan Murray, Academic Director and Professor of Cardiovascular Physics, Newcastle University, UK
- ii. Prof. Patrick Henry, Professor and Head of Department, Department of Cardiology, Lariboisiere Hospital, Paris, France
- iii. Dr. Stéphane Manzo Silberman, Assistant Professor, Department of Cardiology, Lariboisiere Hospital, Paris, France
- iv. Dr. Krishna Kumar Nair, Assistant Professor, University of Toronto, Canada
- v. Prof. K. Uma Maheswari, Associate Dean, Deakin Indo-Australia Chair Professor, Centre for Nanotechnology & Advanced Biomaterials (CeNTAB), SASTRA University, Tanjavur

Patient Care

- i. The CARTO 3D electro anatomical mapping system was operationalised for the treatment of complex cardiac arrhythmias
- ii. Optical Coherence Tomography was installed and operationalised for the advanced imaging of coronary arteries to assist in the stenting.
- iii. Rotablator was installed in the department for advanced treatment of patients with calcified coronary lesions
- iv. The Tamilnadu Governments CMCHIS, Insurance scheme was operationalised in the department from December 2013 and it has benefited over 100 patients. This also helps in Income generation for JIPMER.
- v. Dedicated Social Service wing to help the patients in the department was started.

Education and Research

- i. Three new Clinical trials are in the start up phase in the department.
- ii. Research Collaboration Agreement was signed with SASTRA University, Tanjavur
- iii. A Transthoracic and Trans-oesophageal Simulator was installed in the department and is being used to train students in echocardiographic techniques.

Cardiothoracic and Vascular Surgery

FACULTY LIST

- | | | |
|----------------------------------|---|---|
| 1. HEAD AND ADDITIONAL PROFESSOR | : | Sai Chandran B.A. |
| 2. ASSISTANT PROFESSORS | : | i. Ram Sankar P.
ii. Durga Prasad Rath
iii. Sreevathsa K.S. Prasad
iv. Hemachandren M. |

BACKGROUND INFORMATION OF THE DEPARTMENT

Versatile spectrum of cardiac, thoracic and vascular operations were performed with equal proportion including the routine operations such as coronary arterial bypass graft (CABG), valve repair and replacement, correction of congenital cardiac malformations, lung resections, mediastinal tumor excision and peripheral arterial bypass.

Complex operations such as redo open heart operations, aortic aneurysm repair including thoraco-abdominal aortic aneurysms and aortic arch aneurysms, valve sparing aortic root replacement, Bentall operation, arterial switch operation, Cone repair and tracheal repairs are also performed. Pericardiectomy and cervical rib excision (supraclavicular and transaxillary) are also being performed. Around the clock services are provided for the cases of chest injuries.

EDUCATION COURSES

Undergraduate Courses	BSc (Perfusion technology), 4 years course—four seats per year
Postgraduate Courses	–
Higher Speciality Courses	MCh (Cardiothoracic and Vascular Surgery), 3 years course—three seats per year
Research Courses	–
Other Courses	–

CONFERENCE AND CMES ORGANIZED BY THE DEPARTMENT

NIL

CONFERENCE AND CMES ATTENDED BY FACULTY

Dr. B.V.Sai Chandran

- International conference on cardiovascular diseases:** conducted by Sri Sathya Sai Institute of Higher Medical Sciences at Prasanthigram, on of December 14 and 15, 2013.
- 20th Annual National conference of Vascular Society of India:** conducted at Kodaikanal of September 25 to 28 2013.
- IACTSCON 2014—60th Annual National Conference of Indian Association of Cardiovascular and Thoracic Surgeons (IACTS):** Conducted at Trivandrum from February 20 to 23, 2014.

Cardiothoracic and Vascular Surgery

- d. **Workshop on Patient Safety**—Conducted by the JIPMER quality council at JIPMER on of November 23 to 24, 2013.
 - ◆ Prepared poster on “safe hand-wash” and videos on “Health care associated infections (HAI)” and “Hand wash”.
 - ◆ Prepared the case scenarios and conducted the discussions on “nosocomial infection control”.
 - ◆ Conducted focussed group training on “nosocomial infection contol” during the patient safety week programme.
- e. **Workshop on BSc (Allied Medical Sciences) Curricular Development:** Conducted by the academic section of JIPMER on January 25, 2014—prepared and submitted the completed curriculum for the course—BSc (Perfusion technology). And also submitted the CTVS syllabus of other BSc (Operation theatre technology).
- f. CME on fitness for future: conducted by department of Physiotherapy and rehabilitation on September 8, 2014—Delivered lecture on **“sweep the air, move the blood and live longer”**—A CTV surgeon’s perspective on fitness.

Dr. Ram Sankar P.

- a. **IACTSCON 2014—60th Annual National Conference of Indian Association of Cardiovascular and Thoracic Surgeons (IACTS):** Conducted at Trivandrum from February 20 to 23, 2014.
- b. **4th Short Course on Basic Epidemiology:** Conducted at JIPMER by the department of preventive and social medicine from November 4 to 8, 2013

Dr. Durgaprasad Rath

- a. **ISEMT 2014—International conference on Emergency Medicine**—conducted by JIPMER from February 11 to 16, 2013.
- b. **IACTSCON 2014—60th Annual National Conference of Indian Association of Cardiovascular and Thoracic Surgeons (IACTS):** Conducted at Trivandrum from February 20 to 23, 2014.
- c. **Special training in coronary arterial bypass graft** at All India Medical Sciences, New Delhi for 1 month.

Mr. Mathavan P. (Perfusionist)

- a. **International conference of South and West Asia chapter of ELSO** and 5th Annual congress of ECMO society of India held at Hydrabad from February 1 to 2, 2014.
- b. **ISECTCON 2014—14th Annual National Conference of Indian Society of Extra-Corporeal Technology**—conducted at Trivandrum from February 21 to 22, 2014.
- c. **ECMO training Programme** held at Krishna Institute of Medical Science, Hyderabad from January 29 to 31, 2014.

Team presentations at conferences—by faculty, senior residents, perfusionists and perfusion technology students:

- a. Presentations in **ISEMT International conference on Emergency Medicine**—conducted by JIPMER from February 11 to 16, 2013
 - ◆ Through and through penetrating injury of chest and abdomen with a vegetable cutter
 - ◆ Spectrum of traumatic vascular injuries in a tertiary care hospital, a retrospective study over 2 years
 - ◆ Non-traumatic vascular emergencies: a six year retrospective study
- b. Presentations in **IACTSCON 2014—60th Annual National Conference of Indian Association of Cardiovascular and Thoracic Surgeons (IACTS):** Conducted at Trivandrum from February 20 to 23, 2014
 - ◆ Primary pulmonary synuvial sarcoma, Aase report and review of literature
 - ◆ Case report: Unroofed coronary sinus, left SVC and partial AV canal defect

- ◆ Delayed right ventricular perforation by a pacing lead—A rare complication
 - ◆ Cardiac myxomas, a series of 58 cases
 - ◆ “Renal Cell carcinoma in Lung sans Primary—A rare entity
- c. Presentations in **ISECTCON 2014—14th Annual National Conference of Indian Society of Extra-Corporeal Technology**—conducted at Trivandrum from February 21 to 22, 2014
- ◆ Whether ultra-filtration helps to minimize organ dysfunction?
 - ◆ Polycythemic patient on cardiopulmonary bypass
 - ◆ Successful management of partially failed oxygenator during CPB—A case report

Research Projects

S. No.	Name of Principal Investigator	Title of Project	Duration of Project (From... Duration of Project (From...To)	Funding Agency and Total Funds Sanctioned	Collaborating Institutions/ Collaborating Institutions/ Departments	Status (Completed in FY 2012–2013 or Ongoing)
1.	Dr. Sai Chandran B.V.	Incidence of Heparin Induced Thrombocytopenia (HIT) in patients undergoing Cardiovascular Surgery and its relationship with Clot Morphology and FcgRIIa Polymorphism and Association of Thrombosis in HIT with Platelet P1 ^{A2} polymorphism (Prevalence in Indian population)	3 years	–	Pharmacology Pathology Biochemistry Transfusion— Medicine	Ongoing

PUBLICATIONS

NIL

PATIENT CARE SERVICES

Include Department wise listing in text/tabular form.

Clinical service

The department has an in-patient capacity of 26 standard beds plus six ICU beds. Emergency services are provided 24 h in all days. The outpatient department runs twice a week (Tuesdays and Thursdays) from 8 AM to 6 PM (but can extend up to 10 PM for cases requiring detailed evaluation), catering about 150–200 patients per OPD day with about 20–30 patients being new entries. All the patients planned for operations are registered in waiting list with an entry of about 200 patients currently.

The very sick patients are given priority and admitted irrespective of their waiting list status. Apart from these about five to seven emergency cases are being referred from various departments and casualty amounting to about 1,500 emergency referral cases per year. The operating capacity of five cases per week (i.e., **260 cases per year**). Constant efforts are being made to increase the number of operations as soon the strength of anesthesiologists and nurses improve.

Totally **333 major operations** were performed in the CTVS department during the last financial year (2013–2014) despite the elective operation days allotted were only 240. Out of these **89 were emergency lifesaving operations** (27%). A total of 174 open heart operations performed and 15 complex aortic op-

Cardiothoracic and Vascular Surgery

erations were performed. Thoracic operations were totally 49 and vascular operations were 75. **TEVAR** (Thoracic endovascular aortic repair was performed for a ruptured aortic aneurysm. Majority of the patients were very sick patients under the category of high risk in view of terminal stage of the disease due to the long waiting time for surgery and referral cases from other centres in view of requiring complex operations. The total mortality rate of operated cases was 7.5 per cent.

Laboratory

Chest wall tumor and mediastinal tumor biopsy by open method and also transthoracic FNAC were done. Diagnostic and therapeutic rigid and flexible bronchoscopy and limited Video Assisted Thoracoscopic Surgery (VATS) procedures are also being performed.

AWARDS, HONORS, AND OTHER PERSONAL ACHIEVEMENTS

Dr. Sai Chandran B.V.

Membership in professional bodies/associations.

- European Association of Cardiothoracic Surgeons (EACTS)
- Indian Association of Cardiovascular and Thoracic Surgeons (IACTS)
- Vascular Society of India (VSI)
- Pediatric Cardiac Society of India (PCSI)
- Indian Society for Atherosclerosis Research (ISAR)
- JIPMER Scientific Society (JSS)

Dr. P. Ram Sankar

Membership in Professional Bodies

- Fellow of Royal College of Physicians and Surgeons—Glasgow
- Association of Surgeons of India (ASI)

PERFUSIONIST TEAM ACHIEVEMENT WITH MR. MATHAVAN P. AND MS. ANNIE ESTHER S.

The best young perfusionist award for the year 2013 at the 14th annual national conference of Indian Society of Extracorporeal Technology was conferred to one of the students of BSc (perfusion technology) in JIPMER (**Ms. Kanimozhi**) and the best paper award and “Best upcoming perfusionist award” for the year 2014.

ADMINISTRATIVE, PATIENT CARE, EDUCATIONAL, RESEARCH AND OTHER ASSIGNMENTS

Dr. Sai Chandran B.V.

- i. **Overall administrative responsibilities** of the department—Academic programmer, duty schedule drafting and implementation for various categories of the work force, purchase activities, interdepartmental coordination, establishment of departmental research activities, etc.
- ii. **Course coordinator and syllabus builder:** For MCh (CTVS), BSc (Perfusion Technology), BSc (Operation Theatre Technology) courses
 - a. Teaching responsibilities for the students of MCh (CTVS), MBBS, MSc (nursing), BSc (Perfusion technology), BSc (Operation room technology), Post Basic Diploma in Cardiothoracic Nursing and Post Basic Diploma in Operation Room Nursing
 - b. Examiner for: MCh (CTVS), BSc (Perfusion technology), BSc (Operation room technology)

- c. **Champion in JIPMER Quality Council (JQC)** in two groups: i. *Nosocomial infections* and ii. *Never events*
- iii. **Executive member in JSS (JIPMER scientific society)**
- iv. CPIO (Central Public Information Officer) under Right to Information Act, 2005 at JIPMER for CTVS department
- v. Member in **Hospital Stores and Purchase Article Committee (HSPAC) of JIPMER**
- vi. **Guideship and Co-guideship** in many dissertations of postgraduates, postdoctoral graduates, PhD candidates and also postgraduate nursing students
- vii. **Vidyalaya Member committee VMC. member**
- viii. **JIPMER Campus security member**

Dr. Ramsankar P.

- i. Co-investigator in research project with cardiology departments
- ii. **Executive member in JSS (JIPMER scientific society)**
- iii. **Member in JIPMER Quality Council JQC.** in *Nosocomial infections* group
- iv. Teaching responsibilities for the students of MCh (CTVS), MBBS, MSc (nursing), BSc (Perfusion technology), BSc (Operation room technology), Post Basic Diploma in Cardiothoracic Nursing and Post Basic Diploma in Operation Room Nursing
- v. Examiner for: MCh (CTVS), BSc (Perfusion technology), BSc (Operation room technology)
- vi. Attended medical camp at Karaikal under the JIPMER outreach medical center

Dr. Durga Prasad Rath

- i. **Co-guideship** in dissertations of postgraduates
- ii. Teaching responsibilities for the students of MCh (CTVS), MBBS, MSc (nursing), BSc (Perfusion technology), BSc (Operation room technology), Post Basic Diploma in Cardiothoracic Nursing and Post Basic Diploma in Operation Room Nursing
- iii. Examiner for: MCh (CTVS), BSc (Perfusion technology), BSc (Operation room technology)
- iv. Attended medical camp at Karaikal under the JIPMER outreach medical center
- v. **JIPMER Campus security member**

Dr. Sreevathsa KS Prasad

- i. Teaching responsibilities for the students of MCh (CTVS), MBBS, MSc (nursing), BSc (Perfusion technology), BSc (Operation room technology), Post Basic Diploma in Cardiothoracic Nursing and Post Basic Diploma in Operation Room Nursing
- ii. Invigilator for JIPMER MBBS entrance examinations

Dr. Hemachandren M.

- i. Teaching responsibilities for the students of MCh (CTVS), MBBS, MSc (nursing), BSc (Perfusion technology), BSc (Operation room technology), Post Basic Diploma in Cardiothoracic Nursing and Post Basic Diploma in Operation Room Nursing
- ii. Attended medical camp at Karaikal under the JIPMER outreach medical center

SIGNIFICANT EVENTS IN THE DEPARTMENT

- i. **ECMO:** Extra-corporeal membrane oxygenator services are initiated for selective postoperative patients
- ii. **Cone repair** for Ebstein's anomaly—performed successfully
- iii. **Elephant trunk procedure** performed successfully for acute dissecting aneurysm of the entire aorta from the annulus to abdomen

Clinical Immunology

FACULTY LIST

- | | | |
|--|---|----------------------------|
| 1. PROFESSOR AND HEAD | : | Vir Singh Negi |
| 2. ASSISTANT PROFESSOR (CLINICAL SERVICES) | : | Mithun C.B. |
| 3. LECTURER (LABORATORY SERVICES) | : | Christina Mary Mariaselvam |

BACKGROUND INFORMATION OF THE DEPARTMENT

The Department of Clinical Immunology at JIPMER has been providing OPD/IPD patient care as well as diagnostic and research laboratory facilities in the field of Clinical Immunology since July 2004. Since 10–20 percent of the Indian population suffers from Immunological diseases, there is a huge demand for these services all over India. Ours is the only centre in South India which provides such comprehensive patient care and diagnostic and research facilities. Many patients with immunological disorders not only from Puducherry, but also from neighboring states are referred to JIPMER, for their diagnosis and management. The department has well trained faculty and requisite diagnostic and therapeutic facilities to handle the large patient load. In addition, the department has state-of-the-art research facilities and substantial international (France) and national extramural research funding exceeding Rs. 2.43 crore. Since the academic year (2009–2010), two postdoctoral teaching and training programs—DM (Clinical Immunology) and PhD (Immunology) have been offered in the specialty. We are now in the process of establishing facilities for stem cell transplantation (SCT) and immunotherapy for allergic, autoimmune and malignant disorders. It is hoped that with the establishment of these services, JIPMER will be one of the leading centers in India to offer immunotherapy for autoimmune and other immune mediated disorders.

EDUCATIONAL COURSES

- i. Undergraduate Courses: Nil
- ii. Postgraduate Courses: Nil
- iii. Higher Speciality Courses:
 - a. DM (Clinical Immunology) since academic year 2009.
Intake: Two students per year.
Total number of students enrolled: Four (*JIPMER is one of the only two institutions in India which offer DM in this advanced branch of Medicine*).
- iv. Research Courses:
 - a. PhD (Immunology) since academic year 2009.
Intake: Two students per year.
Total number of students enrolled: Seven.
(*One student is enrolled as joint/ cotutelle PhD scholar at JIPMER and University of Paris 7, France.*)

- v. Other Courses:
 - a. The department imparts training to DM (Rheumatology) students from Nizam's Institute of Medical Sciences (NIMS), Hyderabad in the area of laboratory immunology.
 - b. To promote interdisciplinary research and integrate basic biological sciences, medical-sciences, the department offers 3 to 6 months training in the field of Immunology and Molecular Biology to students pursuing MSc/MTech courses.

CONFERENCES AND CMEs ORGANIZED BY THE DEPARTMENT

- i. Organized "3,500 Genetic Analyzer Expert Application Training" (Sequencing and Fragment analysis) from December 2 to 7, 2013 at the Clinical Immunology Laboratory, Department of Clinical Immunology, JIPMER, Puducherry.
Trained by: Dr. Shoaib Al Zadjali, Senior Biomedical Scientist, Department of Hematology, Sultan Qaboos University Hospital, Muscat, Oman.
- ii. Organized "Basics of Musculoskeletal Ultrasonography" from March 10 to 15, 2013 at the Department of Clinical Immunology, JIPMER, Puducherry.
Trained by: Dr. V.S. Negi (Professor and Head).

CONFERENCES AND CMES ATTENDED BY FACULTY

Dr. Negi V.S.

- i. Attended the 29th Annual National Conference of Indian Rheumatology Association (IRACON) 2013, December 6–12, 2013 at Kolkata.
- ii. Attended the Application training on **Blood Cell Irradiator** at the Clinical Immunology Laboratory, Department of Clinical Immunology, JIPMER, Puducherry from October 23 to 26, 2013.

Dr. Mithun C.B.

- i. Attended the 29th Annual National Conference of Indian Rheumatology Association (IRACON) 2013, December 6–12, 2013 at Kolkata.
- ii. Attended the Application training on **Blood Cell Irradiator** at the Clinical Immunology Laboratory, Department of Clinical Immunology, JIPMER, Puducherry from October 23 to 26, 2013.

Christina Mary M.

- i. Attended the Application training on **BD FACS ARIA III Flow Cytometer On-Site training—Cell Analysis** by BD Biosciences, INDIA at the Clinical Immunology Laboratory, Department of Clinical Immunology, JIPMER, Puducherry from May 13 to 15, 2013.
- ii. Attended the Application training on **Blood Cell Irradiator** at the Clinical Immunology Laboratory, Department of Clinical Immunology, JIPMER, Puducherry from October 23 to 26, 2013.
- iii. Attended the Application training on **3,500 Genetic Analyzer User** training by Invitrogen Bioservices India Ltd. at Bangalore, INIDA from June 26 to 28.06.2013.
- iv. Attended the Application training on **BD FACS ARIA III Flow Cytometer On-Site training—Sorting** by BD Biosciences, INDIA at the Clinical Immunology Laboratory, Department of Clinical Immunology, JIPMER, Puducherry from September 17 to 18, 2013.
- v. Attended the Application training on **Blood Cell Irradiator** at the Clinical Immunology Laboratory, Department of Clinical Immunology, JIPMER, Puducherry from 23.10.2013 to 26.10.2013.

Others

Nil

Research Projects

S. No.	Name of Principal Investigator	Title of Project	Duration of Project (From ... To)	Funding Agency and Total Funds Sanctioned	Collaborating Institutions/ Departments	Status (Completed in FY 2013–2014 or Ongoing)
i. Ongoing Projects						
a. Extramural Funding						
1.	Dr. V.S. Negi	Identification of urinary biomarkers for diagnosis, prognosis and follow up of patients with SLE nephritis	August 2012—2015	DBT RS. 11.87 Lacs	National agencies	Ongoing
b. Intramural Funding						
1	Dr. V.S. Negi	Effect of genetic polymorphisms in methotrexate transporter genes on treatment response in patients with rheumatoid arthritis	April 2011 – March 2013	JIPMER Rs. 2.0 Lac	Intramural funding	Ongoing
2.	Dr. V.S. Negi	Molecular characterization of non classical HLA genes (HLA-G, HLA-E) and their contribution to disease susceptibility and severity in Rheumatoid Arthritis (RA)	April 2011 – March 2013	JIPMER Rs. 1 Lac	Intramural funding	Ongoing
3.	Dr. V.S. Negi	A study of Pro- and Anti- inflammatory immune markers in acute psychosis and their relation to stress and clinical status.	April 2012 – March 2014	JIPMER Rs. 0.93 Lac	Intramural funding	Ongoing
4.	Dr. V.S. Negi	Study of genetic factors influencing susceptibility to infections in Systemic Lupus Erythematosus (SLE)	April 2011 – March 2014	JIPMER Rs. 2.0 Lacs	Intramural funding	Ongoing
5.	Dr. V.S. Negi	Inflammatory Mediators as markers of Infection and Predictors of outcome in Perinatal Asphxia	April 2012 – March 2014	JIPMER Rs. 1.0 Lac	Intramural funding	Ongoing
6.	Dr. V.S. Negi	Immunogenetic Characterization of Major Psychotic Disorders in the South Indian Population	April 2012 – March 2014	JIPMER Rs. 2.0 Lacs	Intramural funding	Ongoing
ii. Approved Projects						
a. International Collaboration						
1.	Dr. V.S. Negi	Immunopsychiatry in South India Study (IPS): Immunogenetic and immunophenotype characterization of major psychoses	2014–2017	Rs. 2.81 crore (1.18 crore—JIPMER Rs. 1.63 crore—French Institute)	International collaboration	Approved
b. National Funding						
1.	Dr. V.S. Negi	Role of microparticles in the pathogenesis of RA and JIA	2014–2017	ICMR Rs. 48.2 LAKH	National agencies	Approved

PUBLICATIONS

Journals

Published

1. Panneer D, Benita Nancy Reni, Reena Gulati, Sonal Mehra and Vir S Negi. Complement C1q and C2 polymorphisms are not risk factors for SLE in Indian Tamils. *Immunobiology*. 2014. In press, (DOI: 10.1016/j.imbio.2014.02.004)
2. Panneer D, Paul T Antony, and Negi VS. Q222R polymorphism in *DNASE I* gene is a genetic risk factor for SLE in South Indian Tamil population. *Lupus*. 2013; 22: 996–1000.

Books: Nil

Book Chapters: Dr. VS Negi contributed a chapter titled, “Sarcoidosis” in the 4th Edition, 2014 of the IRA Manual of Rheumatology.

PATIENT CARE SERVICES

Clinical Services

At present, the “Department of Clinical Immunology” and its “Clinical Immunology Laboratory” offer a large number of patient care services. The immunodiagnostic services include advance immunological (Indirect Immunofluorescence, ELISA, RIA, Nephelometry, Immunoblotting) and molecular (PCR—HLA B27, ABDR, DR-DQ) tests for early and specific diagnosis of autoimmune disease and Skin Prick Test (SPT) for allergic respiratory disorders. We offer HLA Typing services to the patients undergoing renal transplant. The treatment facilities offered include latest therapeutic modalities like:

- i. Immunomodulator/immunosuppressive and biological response modifier therapy for autoimmune disorders,
- ii. Joint and soft tissue injections for inflammatory arthritis and soft tissue rheumatism,
- iii. Allergen specific immunotherapy in the form of sublingual immunotherapy (SLIT) for bronchial asthma and allergic rhinitis.

The facility created is utilized by all the general and super specialty departments of the Institute. We are now in the process of establishing stem cell therapy as a part of regenerative medicine and tumor immunotherapy facilities at JIPMER and hope to offer these services to the needy patients soon.

Laboratory Services

We perform a large number of immunological and molecular tests related to patient diagnostics and research activities. In addition, we perform therapeutic procedures for patient management. The number of the tests and procedures performed (Diagnostic + Therapeutic + Research) has increased exponentially in a short span of three years. The total number of diagnostic tests and therapeutic procedures performed in the year 2013–2014 was 15,634. In addition, 3,987 research investigations were also performed which are likely to be helpful in establishing newer patient care facilities in near future.

Patient Care Services

S. No.	Name of the Test/Procedure	Numbers Performed (2013–2014)
I. Diagnostic Services		
1.	ELISA	3,873
2.	Indirect Immunofluorescence (IIF)	1,728
3.	Nephelometry	2,493

Clinical Immunology

4.	Latex agglutination Method	1,763
5.	DNA Extraction	528
6.	DNA Quantification	243
7.	Immunoblot	24
8.	HLA B ₂₇ PCR	831
9.	HLA Typing ABDR (PCR-SSP)	38
10.	HLA Typing DRDQ (PCR-SSP)	21
11.	Allergy test (SPT)	18
12.	Joint aspirations and Crystal examination	164
13.	Musculoskeletal Ultrasound	878
14.	Mantoux test	125
15.	Pathergy test	3
Total (I)		12,730
II. Therapeutic Procedures		
1.	Intra-articular injections	2,112
2.	Immunosuppressive therapy	360
3.	Biological therapy	54
4.	Others	378
Total (II)		2,904
(A) Total patient care services (I + II)		15,634

Research Activities

S. No.	Name of the Test/Procedure	Numbers Performed (2013-2014)
1.	DNA Extraction	177
2.	RNA Extraction	7
3.	Cytokine estimation (ELISA)	240
4.	Real Time PCR (Genotyping)	1,359
5.	PCR – RFLP	2,118
6.	PCR	53
7.	Flowcytometry	33
(B) Total research		3,987
Total (A + B)		19,621
Patient care (A) + research activity (B)		

AWARDS, HONOURS AND OTHER PERSONAL ACHIEVEMENTS

Nil

ADMINISTRATIVE, PATIENT CARE, EDUCATIONAL, RESEARCH AND OTHER ASSIGNMENTS

Dr. V.S Negi

National

- i. Member, MCI core committee on development of curriculum for DM, Clinical Immunology.
- ii. Member, Vasculitis Core Group of India of Indian Rheumatology Association.

- iii. Inspector for DM (Clinical Immunology) and DM (Rheumatology) of the Medical Council of India.
- iv. Member of Technical committee for equipment procurement under “Prime Minister’s Swasthya Suraksha Yojana (PMSSY)” scheme of Govt. of India.
- v. Member editorial board “Indian Journal of Rheumatology”.
- vi. Attended the Project Evaluation Committee (PEC) meeting on December 21, 2013, 10.30 AM at AYUSH Bhawan, New Delhi.
- vii. Conducted the DM (Clinical Immunology) clinical examination at SGPGIMS, Lucknow on June 14–15, 2013.

Institutional

- i. Member committee for establishing Multidisciplinary Advanced Research Centre (MARC).
- ii. Member, PhD program implementation and monitoring committee, JIPMER.
- iii. Member, “PhD Doctoral Committee” Department of Botany, Pondicherry University.
- iv. Member, “Research Monitoring Committee”, JIPMER.
- v. Member, “Local Ethics Committee”, CCRH, Puducherry.
- vi. Member, Institutional Committee for Stem Cell Therapy and Research (IC-SCRT), JIPMER

SIGNIFICANT EVENTS IN THE DEPARTMENT

Up-gradation of Education Facilities

- i. An international cotutelle/joint PhD program with the University of Paris 7, Paris, France is ongoing under an MOU between JIPMER and University of Paris 7, Paris, France. Under this program at present one student is enrolled as joint PhD student at both the institutions. The second student is likely to enroll in the academic year 2014–2015.

Awards, Honours and Other Personal Achievements

- i. Dr. Bharat Singh and Dr Vikramraj Jain Won First Prize in National Rheumatology Quiz Competition (Rheumawhizz 2013) Conducted By Indian Rheumatology Association Held at SGPGI Lucknow in September 2013. They received a gold cup and Rs. 12,000/- prize amount along with Rs. 6,000/- grant.

Establishment of New Patient Care Facilities

Diagnostic

- i. Detection of alpha and beta thalassemia by sequencing

Establishment of New Research Facilities

- i. T-Cell clonality analysis by sequencing

New Equipment Acquired

- i. SPO₂ Monitor – 2 Nos.
- ii. Joint and Soft Tissue Injection Simulator
- iii. Water Bath (37°C & 56°C) – 2 Nos.
- iv. Microplate Shaker
- v. Table Top Centrifuge
- vi. Fast PCR

Visiting Professors**Visit of Foreign Faculty**

- i. Dr. Rajagopal Krishnamoorthy INSERM, Paris and Dr. Shoaib Al Zadjali INSERM, Paris, SQUH Oman visited JIPMER under the ICMR-INSERM program of Department of Clinical Immunology and INSERM, France from December 01 to 10, 2013.

Visits of Indian Faculty

- i. Dr. R.N. Misra MD, FRCP (UK), Senior Professor and Head Clinical Immunology and Dean, SGPGIMS, Lucknow visited JIPMER from February 24 to 26, 2014 for teaching and training of DM (Clinical Immunology) students.

Clinical Pharmacology

FACULTY LIST

- | | | |
|------------------------------|---|-------------------|
| 1. SENIOR PROFESSOR AND HEAD | : | C. Adithan |
| 2. ASSISTANT PROFESSOR | : | Sandhiya S |
| 3. SENIOR RESIDENTS | : | i) Suresh Kumar S |
| | : | ii) Ravindra BK |

BACKGROUND INFORMATION OF THE DEPARTMENT

Clinical pharmacology is the scientific discipline that involves all aspects of the relationship between drugs and humans. Clinical pharmacologists participate in and guide the process of new drug development, undertake pharmacovigilance, pharmacoepidemiology and pharmaco-economic activities. The discipline has a major role in contributing towards drug related issues in the academia, government and pharmaceutical industry.

Currently India is emerging as a hub for clinical research. There are very few clinical pharmacologists available to fulfil the growing demands of academia as well as industry. Hence to satisfy the need of the country and add to the armamentarium of JIPMER super specialty services, the Department of Pharmacology, JIPMER started DM Clinical Pharmacology course in 2009 as a separate division. On June 15, 2013 new renovated Clinical Pharmacology division was inaugurated by Dr. TS Ravikumar, Director, JIPMER. From July 1, 2013 it started functioning as a separate department. At present, the department of Clinical Pharmacology has clinical pharmacology ward, clinical pharmacology OPD, ADR monitoring centre, drug information centre and clinical research lab.

EDUCATIONAL COURSES

Higher Speciality Course

DM Clinical Pharmacology

CONFERENCES AND CMES ORGANISED BY THE DEPARTMENT

- i. "Tenth National Workshop on Basic Techniques in Molecular Biology and Bioinformatics in Pharmacogenomics" was jointly organized by the ICMR Centre for Advanced Research in Pharmacogenomics, Department of Pharmacology, JIPMER, Vector Control Research Centre (VCRC) and Centre for Bioinformatics, Pondicherry University, Puducherry during August 8–13, 2013. Dr. C. Adithan delivered a lecture on "Pharmacogenomics: Basics and its applications in clinical practice" during the workshop.
- ii. "Workshop on Bioethics for Members of Institute Ethics Committee" was organised by Division of Clinical Pharmacology, JIPMER, Puducherry on April 3, 2013.

CONFERENCES AND CMES ATTENDED BY THE FACULTY

Dr. C Adithan

- i. “Science Academies” Refresher Course on “Modern Biotechnology: Concepts and Practice”, May 15 and 29, 2013, Organized by School of Biotechnology, Madurai Kamaraj University, Madurai and delivered an invited lecture.
- ii. Attended the 46th Annual Conference of Indian Pharmacological Society IPSCON—2013, Bangalore and delivered a guest lecture titled “Pharmacogenomics and personalized medicine” on December 17, 2013
- iii. Delivered the Internal Oration of JIPMER Scientific Society (August 2013). Title: “Personalized medicine: A new standard of healthcare”
- iv. Gave a talk on “ADRs Reporting; Medical content, design and patient safety” in IPC-WHO Country Office (India) National Workshop on Pharmacovigilance and Introducing of Pharmacovigilance Programme of India Toolkit (November 9–10, 2013) Venue: National Institute of Nutrition, Hyderabad
- v. Attended Annual Conference of Physiology and Pharmacology in Bangalore on November 29, 2013 and presented the annual editors report of pharmacology section of IJPP
- vi. Delivered an invited lecture on “Pharmacogenomics of Cardiovascular Drugs” at the International Conference on Human Genetics and 39th Annual Meeting of the Indian Society of Human Genetics, Ahmadabad on January 25, 2014.

Dr. S. Sandhiya

- i. Participated as a delegate in a seminar on “Translational Research” organised by JIPMER, Puducherry on January 24, 2014.
- ii. Participated as a delegate in the fourth Annual Conference of Pondicherry chapter of Indian Pharmacological Society conference organised by Indira Gandhi Medical College and Research Institute, Puducherry on November 15, 2013.
- iii. Participated as a delegate in the Workshop on Bioethics for Members of Institute Ethics Committee organised by the Division of Research, JIPMER, Puducherry on April 3, 2013.

Senior Residents

- i. Dr. Suresh Kumar S and Dr. Ravindra B K, SR, attended “CNS Pharmacodynamic Workshop-III with Special Emphasis on Psychomotor Function tests and Pain Models” in NIMS, Hyderabad from 27.01.14 to 29.01.14.
- ii. Dr. Suresh Kumar S attended 46th Annual Conference of Indian Pharmacological Society IPSCON 2013 in Bangalore on 16th and 17th December 2013.

Research Projects

S. No	Name of Principal Investigator	Title of Project	Duration of Project	Funding Agency and Total Funds Sanctioned	Collaborating Institutions/ Departments	Status
1.	Ms. N. Revathy	Influence of genetic polymorphism and prakriti type on response to Inhaled Corticosteroids (ICS) in South Indian patients with persistent asthma	March 2012 to August 2014	Intramural fund ₹1,98,000/- (2013-2014)	Respiratory Medicine, Medicine	Ongoing

(Continued)

S. No	Name of Principal Investigator	Title of Project	Duration of Project	Funding Agency and Total Funds Sanctioned	Collaborating Institutions/ Departments	Status
2.	Mr. Ganesan. S	Frequency of adverse drug reactions, its economic impact and effect of intervention on reporting behaviour of doctors and nurses in a tertiary care teaching hospital in south India.	March 2012 to August 2014	₹60,000 (2012-2013) ₹200000 (2013-2014)	Medicine	Ongoing
3.	Dr. Suresh Kumar S	Effect of vitamin D on vascular health in hypertensive patients with vitamin D deficiency.	April 2012 to May 2014	₹96248.00 (2012-2013)	Medicine, Endocrinology	Ongoing
4.	Dr. Ravindra B K	Adverse effects of docetaxel and its association with albumin level in cancer patients	April 2013 to March 2016	₹80,000 (2013-2014) ₹80,000 (2014-2015)	Oncology	Ongoing
5.	Dr. Sandhiya S	Comparison of ranolazine and trimetazidine on glycemic status in chronic angina patients with diabetes mellitus- a randomized parallel arm trial.	April 2011 to May 2013	Nil	Cardiology	completed in FY 2013-14
6.	Dr. Steven A Dkhar	Cardiopulmonary exercise testing in South Indian healthy volunteers.	2012 to 2015	Nil	Medicine Endocrinology Cardiology	Ongoing
7.	Dr. Steven A Dkhar	Population pharmacokinetics and pharmacogenetics of tacrolimus in renal transplant patients.	2013 to 2016	Nil	Nephrology Medicine	Ongoing

PUBLICATIONS

Journals

1. Umamaheswaran G, Kumar DK, Adithan C. Distribution of genetic polymorphisms of genes encoding drug metabolizing enzymes & drug transporters - a review with Indian perspective. *Indian J. Med. Res.* 2014;139:27-65.
2. Pal GK, Adithan C, Ananthanarayanan PH, Pal P, Nanda N, Durgadevi T, et al. Effects of gender on sympathovagal imbalance, prehypertension status, and cardiovascular risks in first-degree relatives of type 2 diabetics. *Am. J. Hypertens.* 2014;27:317-324.
3. Narayan SK, Verman A, Kattimani S, Ananthanarayanan PH, Adithan C. Plasma homocysteine levels in depression and schizophrenia in South Indian TAMILIAN population. *Ind. J. Psychiatry* 2014;56:46-53.
4. Kumar DK, Shewade DG, Lorient M-A, Beaune P, Balachander J, Sai Chandran BV, et al. Effect of CYP2C9, VKORC1, CYP4F2 and GGCX genetic variants on warfarin maintenance dose and explicating a new pharmacogenetic algorithm in South Indian population. *Eur. J. Clin. Pharmacol.* 2014;70:47-56.

5. Vishnukumar S, Umamaheswaran G, Anichavezhi D, Indumathy S, Adithan C, Srinivasan K, et al. P-glycoprotein expression as a predictor of response to neoadjuvant chemotherapy in breast cancer. *Indian J Cancer* 2013;50:195–199.
6. Umamaheswaran G, Dkhar SA, Kalaivani S, Anjana R, Revathy M, Jaharamma M, et al. Haplotype structures and functional polymorphic variants of the drug target enzyme aromatase (CYP19A1) in South Indian population. *Med. Oncol. Northwood. Lond. Engl.* 2013;30:665.
7. Subraja K, Dkhar SA, Priyadharsini R, Ravindra BK, Shewade DG, Satheesh S, et al. Genetic polymorphisms of CYP2C19 influences the response to clopidogrel in ischemic heart disease patients in the South Indian TAMILIAN population. *Eur. J Clin. Pharmacol.* 2013;69:415–422.
8. Pal GK, Adithan C, Ananthanarayanan PH, Pal P, Nanda N, Durgadevi T, et al. Sympathovagal imbalance contributes to prehypertension status and cardiovascular risks attributed by insulin resistance, inflammation, dyslipidemia and oxidative stress in first degree relatives of type 2 diabetics. *PloS. One.* 2013;8:e78072.
9. Pal GK, Adithan C, Ananthanarayanan PH, Pal P, Nanda N, Thiagarajan D, et al. Association of sympathovagal imbalance with cardiovascular risks in young prehypertensives. *Am. J. Cardiol.* 2013;112:1757–1762.
10. Pal GK, Adithan C, Dutta TK, Pal P, Nanda N, Syamsundara Kiran AN, et al. Preference for salt contributes to sympathovagal imbalance in the genesis of prehypertension. *Eur. J. Clin. Nutr.* 2013;67:586–591.
11. Kumar SG, Adithan C, Harish BN, Sujatha S, Roy G, Malini A. Antimicrobial resistance in India: A review. *J. Nat. Sci. Biol. Med.* 2013;4:286–291.
12. Kumar DK, Shewade DG, Manjunath S, Ushakiran P, Reneega G, Adithan C. Inter and intra ethnic variation of vitamin K epoxide reductase complex and cytochrome P450 4F2 genetic polymorphisms and their prevalence in South Indian population. *Ind. J. Hum. Genet.* 2013;19:301–10.
13. Krishna Kumar D, Gopal Shewade D, Parasuraman S, Rajan S, Balachander J, Sai Chandran BV, et al. Estimation of plasma levels of warfarin and 7-hydroxy warfarin by high performance liquid chromatography in patients receiving warfarin therapy. *J. Young Pharm* 2013;5:13–17.
14. Sandhiya S, Melvin G, Suresh Kumar S, Steven AD. Clinical trials in India: Where do we stand globally? *Perspectives in Clinical Research* 2013;4:160–164.
15. Subathra A, Sandhiya S, Kesavan R. An analysis of adverse drug reactions to radiographic contrast media reported during a 3 year period in a tertiary care hospital in South India. *Ind J. Physiol. Pharmacol.* 2014; 58: 45–50.
16. Krishna Kumar D, Madhan S, Balachander J, Sai Chandran BV, Thamijarassy B, Adithan C. Effect of CYP2C9 and VKORC1 genetic polymorphisms on mean daily maintenance dose of acenocoumarol in South Indian patients. *Thromb. Res.* 2013;131:363–367.
17. Madhan, S., Kumar, D. K., Kumar, D. T., Balachander, J., & Adithan, C. Effect Of CYP2C9 And VKORC1 Genetic Polymorphisms On Warfarin Dose Requirement In South Indian Population. *Indian J. Physiol. Pharmacol.* 2013; 57: 308–317.
18. George M, Selvarajan S, S S-K, Dkhar SA, Chandrasekaran A. Globalization of clinical trials - where are we heading? *Curr. Clin. Pharmacol.* 2013;8:115–123.
19. George M, Amrutheshwar R, Rajkumar RP, Kattimani S, Dkhar SA. Newer antipsychotics and upcoming molecules for schizophrenia. *Eur. J. Clin. Pharmacol.* 2013;69:1497–1509.

Book Chapters

- i. Sandhiya S, Melvin G, Suresh kumar S. Pharmacogenomics in type 2 diabetes mellitus and metabolic disorders. In: Barh D, Dhawan D, Ganguly NK, editors. *Omics for Personalized Medicine*. Springer; 2013. pp 561–573.
- ii. Melvin G, Sandhiya S, Suresh kumar S. Pharmacogenomics of autoimmune diseases. In: Barh D, Dhawan D, Ganguly NK, editors. *Omics for Personalized Medicine*. Springer; 2013. pp 249–262.
- iii. Sandhiya S, Melvin G, Suresh kumar S. Non invasive Nanodiagnosics for cancer. In: *Cancer Biomarkers Minimal and Non Invasive Early Diagnosis and Prognosis*. Barh D, Carpi A, Verma M, Gunduz M, editors. CRC Press; 2013. pp 85–94.

PATIENT CARE SERVICES

Clinical Services

The department is providing clinical services namely adverse drug reaction monitoring and drug information services. During the year FY 2013–2014, a total of 920 adverse drug reactions (ADR) have been reported to the ADR Monitoring Centre in the department. Nine polysomnography were done in the department of Clinical Pharmacology.

Laboratory Services

The department is providing Therapeutic Drug Monitoring (TDM) services for phenytoin, phenobarbitone, carbamazepine, cyclosporine and tacrolimus. During 2013–2014, 1,322 TDM assays have been performed. Urinary VMA assays are also being carried out.

AWARDS, HONOURS AND OTHER PERSONAL ACHIEVEMENTS

- i. **Saroj-V.N Sharma prize and gold medal:** Dr. Krishna Kumar D, PhD scholar was awarded the above prize in IPSCON 2013, Bangalore [December 16–18, 2013], for the best paper published in an international journal on any aspect of cardiovascular pharmacology and the work carried out in an Indian laboratory. The paper entitled “Effect of CYP2C9, VKORC1, CYP4F2 and GGCX genetic variants on warfarin maintenance dose and explicating a new pharmacogenetic algorithm in South Indian population” was authored by Krishna Kumar D, DG Shewade, Loriot Marie-Anne, Beaune Philippe, Balachander Jayaraman, Sai Chandran B V, Adithan Chandrasekaran.
- ii. **UK Sheth Prize:** Dr. Saranya was awarded the “Prof. UK Seth Prize” for the paper on “Pharmacogenetic study of the effect of polymorphisms in SLC22A1 gene and ATM gene on metformin response in type 2 diabetes mellitus patients in South India” [Saranya V, Mukta V, Umamaheswaran G, Das AK, Adithan C] in the 46th Annual Conference of Indian Pharmacological Society (IPSCON 2013) held at NIMHANS Convention Centre, Bangalore [December 16–18, 2013]

ADMINISTRATIVE, EDUCATIONAL, RESEARCH AND OTHER ASSIGNMENTS

Dr. C. Adithan

- i. Senior Professor and Head, Department of Clinical Pharmacology
- ii. Member, Indian Pharmacopoeia commission.
- iii. Member, New Drug Advisory Committee.
- iv. Chairman, Institute Ethics Committee, VCRC, Puducherry
- v. Member, Task force in Pharmacogenomics, ICMR
- vi. Member, Project review committee-Pharmacology, ICMR
- vii. Member Secretary, Institute Ethics Committee (Human studies)
Co-ordinator, ADR Monitoring Centre

SIGNIFICANT EVENTS IN THE DEPARTMENT

- i. Dr. Krishna Kumar D was awarded Ph.D degree on 29 March, 2014, Guide: Dr. C Adithan
- i. Dr. Sunil K Narayan (Part time Ph.D) was awarded Ph.D degree on March 31, 2014, Guide: Dr. C Adithan
- iii. Dr. Chakradhara Rao, University Hospitals of Geneva, Geneva, Switzerland, visited the department of Clinical Pharmacology and delivered a talk on “An overview of therapeutic drug concentration monitoring and its role in personalizing treatment” on December 26, 2013.
- iv. Provided training in Clinical Pharmacology for five WHO fellowship candidates from North Korea for a period of 8 weeks from April 8, 2013 to May 31, 2013

Dentistry

FACULTY LIST

- | | | |
|---|---|-------------------|
| 1. SENIOR PROFESSOR AND OFFICER IN-CHARGE | : | Gopalakrishnan S. |
| 2. ADDITIONAL PROFESSOR | : | Madhan B. |
| 3. ASSOCIATE PROFESSOR | : | Krishnan B. |

BACKGROUND INFORMATION OF THE DEPARTMENT

The Department of Dentistry currently has four dental chairs along with modern dental equipment's and provides quality dental care to the patient population. There is also an attached clinical laboratory which is dedicated for the fabrication of dental and maxillofacial prosthesis. Senior Resident (1 Number), Junior Residents (NPG—5 Numbers), Dental Hygienist (1 Number) and Dental Mechanic (1 Number) form the support staff for patient care services.

EDUCATIONAL COURSES

Undergraduate Courses

The department undertakes teaching programme for undergraduate (MBBS) students. During their clinical posting, the students are exposed to dental procedures being performed which help them obtain a basic knowledge of common dental and maxillofacial pathologies. Special emphasis is laid on community oral cancer screening. Didactic lectures allow students to understand the manifestations of several systemic diseases in the oral cavity. The department also conducts classes in Emergency Management of Maxillofacial injuries for Trauma Technician (Diploma) students and classes on basic oral pathology for allied courses. Lectures and practical demonstrations on surgical dentistry and maxillofacial surgery are conducted for students of operation theatre technician course.

CONFERENCES AND CMES ATTENDED BY THE FACULTY

Dr. Madhan B.

- i. Delivered two lectures at the International Workshop on “Orthodontic Biomechanics—Meet the Elite” organized by MGM Dental College and Hospital under the aegis of the Indian Orthodontic Society at Navi Mumbai, July 13–14, 2013.
- ii. Delivered the keynote address and lecture at the Zonal CME of the NTR University of Health Science, organized by Meghna Institute of Dental Sciences at Nizamabad, September 28, 2013.

Dr. Krishnan B.

- i. Attended 1 day CME on rationale use of blood products, JIPMER, Puducherry, and January 2014.
- ii. Attended a 3 day AOCMF symposium on Orbital injuries and reconstruction, Hyderabad, August 16–18, 2013.
- iii. Attended the 38th Annual conference of Association of Oral and Maxillofacial Surgeons of India, Bhubhaneshwar, November 21–23, 2013.
- iv. Attended the International Summit on Emergency Medicine and Trauma, Puducherry, February 12–14, 2014.
- v. Presented a poster titled “Airway compromise in maxillofacial trauma” at the International Summit on Emergency Medicine and Trauma, Puducherry, February 12–14, 2014.

Research Projects

S. No.	Principal Investigator	Title of Project	Duration of Project	Funding Agency and Total Funds Sanctioned	Collaborating Institutions/ Departments	Status
1.	Dr. Krishnan B.	Conservative management of fractures of the dentate portion of the mandible—A prospective clinical study	(2011–2013)	–		Completed in FY (2013–2014)
2.	Dr. Krishnan B.	Psychological consequences of maxillofacial trauma—A prospective clinical study	(2011–2013)	–	Depts. of Psychiatry and Biostatistics	Completed in FY (2013–2014)

PUBLICATIONS**Journals**

1. Madhan B, Barik AK, Patil R, Gayathri H, and Reddy MS. Sense of humor and its association with psychological disturbances among dental students in India. *J. Dent. Educ.* 2013; 77(10): 1338–44.
2. Krishnan B, Parida PK, Gopalakrishnan S, and Satyparakash MV. An unusual cause of epistaxis in a young patient: The supernumerary nasal tooth. *Oral Maxillofac Surg.* 2013; 17(4): 315–7.
3. Krishnan, B. Myositis ossificans traumatica of the mylohyoid musculature. *Oral. Surgery.* 2013; 6: 214–17.
4. Krishnan B, and Joseph J. Knowledge of basic dental physiology among teachers can improve preliminary management of acute dental avulsion in school children. *Int. J. Clin. Exp. Physiol.* 2014; 1: 63–7.

PATIENT CARE SERVICES

The department performs a variety of dental procedures such as extractions, restorations, implant surgery, oral prophylaxis, removable and fixed prosthesis, maxillofacial prosthesis, root canal treatment, etc. The entire range of minor dentoalveolar and soft tissue surgeries are also being performed. Dental and oral care in the pre and post radiotherapy/chemotherapy phase for patients with oral oncology

is provided. Medically compromised patients needing oral surgical procedures are referred to this Department by other institutions/hospitals. The Department helps in fabrication of prosthesis following plastic surgical, neuro-surgical, gynecological and CTVS procedures. Four beds are available in the ward for inpatient care. Maxillofacial surgical procedures are performed under general anaesthesia once a week. Oral and Maxillofacial Trauma and facial space infections are managed almost exclusively by the Department. Maxillofacial reconstructive surgeries, orthognathic procedures, management of maxillofacial pathologies and oral oncology surgeries are also being performed regularly. Equipment's such as Maxillofacial trauma and Reconstruction Kit, Electrosurgical Cautery, Mobile LED Head lights, Dental Diode laser, Digital Radiovisiography, and Surgical Physiodispenser are available for patient care services. A digital OPG and Cephalometric X-ray imaging unit has also been recently procured.

A total of 19854 patients were examined and procedures performed in 2013–2014:

S. No.	Name of the Procedures	Total Numbers
1.	Extractions	4,005
2.	Restorations	1,002
3.	Oral prophylaxis	1,129
4.	Periapical radiographs	529
5.	Prosthesis/orthodontic appliance	257
6.	Root canal treatment	82
7.	Minor oral surgery	725
8.	Major oral and maxillofacial surgery	91
9.	Inpatient admissions	157
10.	Emergency calls	950

The department participated in the special health camp conducted by the institute in Neyveli on February 24, 2014. It is also actively involved in managing patients under various programs/schemes such as school health check-up, medical examination of sports personnel, staff wellness program, TamilNadu Chief Minister's Comprehensive Insurance Scheme, etc.

AWARDS, HONOURS, AND OTHER PERSONAL ACHIEVEMENTS

- i. Dr. Krishnan B. was awarded the Fellowship of the Indian Board of Oral and Maxillofacial Surgery in November 2013.

ADMINISTRATIVE, PATIENT CARE, EDUCATIONAL, RESEARCH, AND OTHER ASSIGNMENTS

Dr. Madhan B.

- i. Joined the department as Additional Professor in June 2013.
- ii. Member of Pondicherry University Inspection committee for Mahe Institute of Dental Sciences, Mahe, July 5 and 6, 2013
- iii. External Examiner for the BDS Theory Examination July/August 2013, Pondicherry University.
- iv. Nodal officer for the JIPMER Website.
- v. Coordinating officer for the Department of Dentistry in the Screening OPD committee
- vi. Member of selection committee for Junior Resident—Dentistry (NPG)
- vii. Member of selection committee for Faculty promotion under APS

Dr. Krishnan B.

- i. Promoted as Associate Professor in Dentistry with effect from July 01, 2013.
- ii. Centre supervisor (Trichy) for staff nurse recruitment examination, September 2013.
- iii. Centre supervisor (Chennai) for MTS/LDC recruitment examination, February 2014.
- iv. Institute Representative (Chennai) for JIPMER PG Entrance examination, February 2014.
 - v. Subject expert for Oral and Maxillofacial Surgery by National Board of Examinations, New Delhi
- vi. Member of selection committee for Junior Resident—Dentistry (NPG)
- vii. Member of JIPMER Quality Council (JQC)

SIGNIFICANT EVENTS IN THE DEPARTMENT

- i. The number of Junior Residents (NPG) has been enhanced from three to five in 2013–2014.

Dermatology and STD

FACULTY LIST

- | | | |
|---|---|------------------------|
| 1. PROFESSOR AND HEAD OF THE DEPARTMENT | : | Jaisankar T.J. |
| 2. PROFESSOR | : | Thappa D.M. |
| 3. ASSOCIATE PROFESSOR | : | Laxmisha Chandrashekar |
| 4. ASSISTANT PROFESSOR | : | Rashmi Kumari |
| 5. ASSISTANT PROFESSOR | : | Nidhi Singh |

BACKGROUND INFORMATION OF THE DEPARTMENT

Department is committed to excellence in medical and in—patient dermatology. Its primary focus is on the management of psoriasis, vitiligo, deep fungal disease, autoimmune blistering disorders, and severe adverse cutaneous drug reactions. The department also has specialized clinics catering to leprosy, sexually transmitted infections, psoriasis, and vitiligo. A specialized pediatric clinic caters to the special problems of this age group. The department is also exploring into the field of laser and cutaneous surgeries. It has been augmented with numerous lasers in this regard. The department is focused on research especially hypothesis driven and has initiated and collaborated on multiple projects in the field of psoriasis and leprosy.

EDUCATIONAL COURSES

Undergraduate Courses

The department has active undergraduate UG teaching programmes which include MBBS (two semesters), B.Sc (Nursing) and M.R.Sc. (Medical Record).

Postgraduate Courses

These include five MD postgraduates in Dermatology, Venereology and Leprology.

- i. IADVL training fellowships in clinical dermatology.
- ii. Short term training programme as observership (1 month) in Dermatology.

CONFERENCES AND CMES ORGANIZED BY THE DEPARTMENT

Laser Dermatosurgery course, CME and workshop was jointly conducted by the department of Plastic Surgery and department of Dermatology on April 19, 2013 in the minor OT complex, SSB, JIPMER. Dr. Thappa D.M. was the course co-coordinator and Dr. Laxmisha Chandrashekar and Dr. Rashmi Kumari were the joint organizing secretaries.

CONFERENCES AND CMES ATTENDED BY FACULTY

Dr. Jaisankar T.J.

- i. Attended “CUTICON-2013” held on December 22, 2013 at Sri Manakula Vinayagar Medical College and Hospital, Puducherry.

Dr. Thappa D.M.

- i. Attended the workshop on Bioethics for Members of Institute Ethics Committee on April 3, 2013 at the Conference Hall, SS Block, JIPMER.
- ii. Conducted workshop for MCQ Review and Validation, National Board of Examination in Dwarka, New Delhi held on April 30, 2013.
- iii. Attended the 2nd IADVL MID DERMACON held on August 17 and 18, 2013 at Hotel Maurya, Patna, Bihar.
- iv. Attended the 12th World Congress of Pediatric Dermatology held at Madrid, Spain from September 25 to 27, 2013. He was the chairperson of the session on “Pigmentary disorders” on September 25, 2013 and also delivered a talk on “The true outcome of Mongolian spots”.
- v. Attended the 53rd Annual Conference of National Academy of Medical Sciences (NAMSCON 2013) held from October 25 to 27, 2013 at AIIMS, Jodhpur, Rajasthan.
- vi. Attended “CUTICON-2013” held on December 22, 2013 at Sri Manakula Vinayagar Medical College and Hospital, Puducherry.
- vii. Attended the 29th Biennial Conference of Indian Association of Leprologists (LEPCON 2014) held from March 28 to 30, 2014 at PGIMER, Chandigarh, chaired two sessions and delivered a guest lecture on “Relapse in leprosy”.

Dr. Laxmisha Chandrashekar

- i. Attended the CME held on February 1, 2014 at Christian Medical College, Vellore and delivered a talk on “Approach to a patient with non scarring alopecia and the findings in dermatoscopy”.
- ii. Delivered a talk on “Theory of application of IPL” at the laser Dermatosurgery course, CME and workshop held on April 19, 2013 at JIPMER.
- iii. Presented a paper “Platelet activation in chronic urticaria and its correlation with disease severity” at the JIPMER Scientific Society Meeting, held on July 19, 2013 at JIPMER.
- iv. Attended the CME programme—Derma Basics conducted by MS Ramiah medical college held on August 4, 2013 at Bangalore and delivered a talk on “How to write a scientific paper”.
- v. Attended the First Annual CME—An Update in Dermatology for Postgraduates held on October 4 and 5, 2013 at Christian Medical College, Vellore and delivered a talk on—lasers in dermatology.
- vi. Participated in the CME and Workshop on patient safety held on November 23 and 24, 2013 at JIPMER, as a delegate.
- vii. Attended the XI International Congress of Dermatology held from December 4 to 7, 2013 at New Delhi and presented a paper on- 25-hydroxy vitamin D levels in chronic urticarial.
- viii. Attended “CUTICON-2013” organized by IADVL-Puduchery branch on December 22, 2013 at Sri Manakula Vinayagar Medical College and Hospital, Puducherry.
- ix. Attended “Seminar on Translational Research” organized by Division of Research, JIPMER on January 24, 2014 at JIPMER.
- x. Resource faculty for first national online CME on vitiligo held on March 26, 2014 at CMC Vellore.
- xi. Attended the 29th Biennial Conference of Indian Association of Leprologists (LEPCON 2014) held from March 28 to 30, 2014 at PGIMER, Chandigarh and delivered guest lecture on “Ultrasound in leprosy”.

Dr. Rashmi Kumari

- i. Attended Laser Dermatosurgery course, CME and workshop held at JIPMER and delivered a talk on “Role of fractional CO2 laser and fractional Er: YAG laser in facial resurfacing” on April 19, 2013.
- ii. Attended 2nd IADVL MID DERMACON held on August 17 and 18, 2013 at Hotel Maurya, Patna, Bihar to deliver a guest lecture “Cocktails in keloid management: Current and emerging options”.
- iii. Presented a poster “Acquired autoimmune bullous diseases in childhood: Experience from a tertiary care” at the national conference ISPD Cochin Kerala held on September 20–22, and chaired a free paper session.
- iv. Participated in CME and Workshop on patient safety at JIPMER held on November 23 and 24, 2013 as facilitator and delegate.

Dr. Nidhi Singh

- i. Attended “CUTICON-2013” organized by IADVL-Puduchery branch on December 22, 2013 at Sri Manakula Vinayagar Medical College and Hospital, Puducherry.
- ii. Attended “Seminar on Translational Research” organized by Division of Research, JIPMER on January 24, 2014 at JIPMER.
- iii. Attended “Online national CME and live workshop on vitiligo” held on March 26, 2014 at CMC Vellore.

Research Projects

S. No.	Name of the Principal Investigator	Title of the Project	Duration of the Project	Funding Agency and Total Funds Sanctioned	Collaborating Departments	Status
1.	Dr. Thappa D.M.	Periorbital pigmentation and insulin resistance: Are they related?”	1 year (2014–2015)	IADVL hair and skin research grant ₹2,95,000	Biochemistry	Ongoing
2.	Dr. Laxmisha Chandrashekar	Association of tumour necrosis factor – α promoter polymorphism with treatment outcome of non segmental vitiligo in South Indian patients	1 year (2014–2015)	IADVL hair and skin research grant ₹2,25,000	Biochemistry	Ongoing
3.	Dr. Laxmisha Chandrashekar	Evaluation of high frequency ultrasound and biomarkers for the diagnosis and management of type 1 lepra reaction	3 years (2012–2015)	ICMR Task Force in Leprosy Project-ICMR, New Delhi ₹28.70 lakhs	Biochemistry, Radio-diagnosis	Ongoing

4.	Dr. Laxmisha Chandrashekar	Anti-desmoglein ELISA titres for disease monitoring of patients with pemphigus	2 years (2012–2014)	JIPMER Intramural fund ₹1,00,000/-	Biochemistry	Ongoing
5.	Dr. Laxmisha Chandrashekar	Association of herpes simplex virus, cytomegalovirus and Staphylococcus aureus in patients with pemphigus and their contribution to glucocorticoid resistance	2 years (2011–2013)	JIPMER Intramural fund ₹2,00,000/-	Biochemistry, Pathology, Microbiology	Ongoing
6.	Dr. Laxmisha Chandrashekar	Aquaporin3 levels in vitiligo	1 year (2012–2013)	IADVL hair and skin research grant ₹2,25,000	Biochemistry	Completed
7.	Dr. Rashmi Kumari	Distribution of melanocytes in white hair compared to black hair	2 years (2011–2013)	JIPMER Intramural fund ₹1,35,000/-	Pathology	Ongoing
8.	Dr. Rashmi Kumari	Chronic venous insufficiency: A clinico-investigative study	2 years (2012–2014)	JIPMER Intramural fund ₹28,200	Surgery, Radio diagnosis	Ongoing
9.	Dr. Rashmi Kumari	Factors affecting the severity of seborrheic dermatitis	1 year (2014–2015)	IADVL hair and skin research grant ₹1.8 lakhs	Microbiology, Pathology	Ongoing

PUBLICATIONS

Journals

1. Besra L, Jaisankar TJ, Thappa DM, Malathi M, and Kumari R. Spectrum of periorbital dermatoses in South Indian population. *Ind. J. Dermatol. Venereol. Leprol.* 2013; 79: 399–407.
2. Chandrashekar L, Rajappa M, Sundar I, Munisamy M, Ananthanarayanan PH, Thappa DM, and Toi PCH. Platelet activation in chronic urticaria and its correlation with disease severity. *Platelet.* 2014; 25: 162–5.
3. Chandrashekar L, Rajappa M, Sundar I, Munisamy M, Ananthanarayanan PH, Thappa DM, and Toi PCH. Vascular endothelial growth factor levels in patients with chronic urticaria. *Clin. Chim. Acta.* 2013; 422: 44–6.
4. Ganjoo S, and Thappa DM. Dermoscopic evaluation of therapeutic response to an intralesional corticosteroid in the treatment of alopecia areata. *Ind. J. Dermatol. Venereol. Leprol.* 2013; 79: 408–17.
5. Gupta D, and Thappa DM. Mongolian spots: How important are they? *World J. Clin. Cases.* 2013; 1: 230–2.

6. Gupta D, and Thappa DM. Mongolian spots--a prospective study. *Pediatr. Dermatol.* 2013; 30(6): 683–8.
7. Kumari R, and Thappa DM. Role of insulin resistance and diet in acne. *Ind. J. Dermatol. Venereol. Leprol.* 2013; 79: 291–9.
8. Malathi M, Chandrasekhar L, and Thappa DM. Multiple hair whorls in a child with normal cranial and neurologic development. *Pediatr. Dermatol.* 2013; 30: 630–1.
9. Malathi M, and Thappa DM. Systemic skin whitening/lightening agents: What is the evidence? *Ind. J. Dermatol. Venereol. Leprol.* 2013; 79: 842–6.
10. Mohanan S, Chandrashekar L, Semple RK, Thappa DM, Rajesh NG, Negi VS, and Gulati R. H syndrome with a novel homozygous R134C mutation in SLC29A3 gene. *Int. J. Dermatol.* 2013; 52: 820–3.
11. Mohanan S, Devi AS, Kumari R, Thappa DM, and Ganesh RN. Novel presentation of lepromatous leprosy in an erythema gyratum repens-like pattern. *Int. J. Dermatol.* 2014; 53: 210–2.
12. Mohanan S, Ramassamy S, Chandrashekar L, and Thappa DM. A retrospective analysis of combination methotrexate-cyclosporine therapy in moderate-severe psoriasis. *J. Dermatolog. Treat.* 2014; 25: 50–3.
13. Prakash P, and Thappa DM. A clinical study of the spectrum of vitiligo in children versus adults and its associations. *Ind. Dermatol. Online J.* 2013; 4: 250–1.
14. Rajappa M, Chandrashekar L, Sundar I, Munisamy M, Ananthanarayanan PH, Thappa DM, and Toi PCH. Platelet oxidative stress and systemic inflammation in chronic spontaneous urticaria. *Clin. Chem. Lab. Med.* 2013; 51: 1789–94.
15. Ranugha PS, Mohanan S, Chandrashekar L, Basu D, Thappa DM, and Rajesh NG. Epidermolysis bullosa pruriginosa showing good response to low-dose thalidomide—a report of two cases. *Dermatol. Ther.* 2014; 27: 60–3.
16. Rathika S, Rajappa M, Chandrashekar L, Munisamy M, and Thappa DM. Effect of treatment on prolactin levels in patients with psoriasis vulgaris. *Clin. Chim. Acta.* 2014; 429: 212–4.
17. Saritha M, Chandrashekar L, Thappa DM, Ramesh A, and Basu D. Late onset epidermal nevus with hypertrichosis and facial hemihypertrophy. *Ind. J. Dermatol.* 2014; 59: 210.
18. Saritha M, Kumari R, Thappa DM, Rajesh NG, and Verma SK. Benign giant cutaneous horn formed by giant porokeratosis of Mibelli with dysplasia. *Ind. J. Dermatol. Venereol. Leprol.* 2013; 79: 433–5.
19. Singh N, Kumar N, Chandrashekar L, Thappa DM, Kar R, and Srinivas BH. Umbilicated nodule over eyebrow. *Dermatol. Online J.* September 14, 2013; 19: 19622.
20. Sivaranjini R, Jaisankar T, Thappa DM, Kumari R, Chandrasekhar L, Malathi M, Parija S, and Habeebullah S. Spectrum of vaginal discharge in a tertiary care setting. *Trop Parasitol.* 2013; 3: 135–9.
21. Sori T, Jaisankar TJ, Thappa DM, and Nath AK. Hyperpigmentary disorders in children: A hospital-based study in a tertiary care center. *Ind. Dermatol. Online J.* 2013; 4: 148–52.
22. Thappa DM, and Gupta D. Prevalence of metabolic syndrome in South Indian patients with psoriasis vulgaris and the relation between disease severity and metabolic syndrome: A hospital-based case-control study or cross-sectional study? *Ind. J. Dermatol.* 2013; 58: 315.
23. Thappa DM. Looking forward and looking backward—making impact with impact factor. *Ind. J. Dermatol. Venereol. Leprol.* 2014; 80: 1–3.

Book Chapters

1. Thappa DM, and Gupta D. Disorders of cutaneous appendages. In: Inamadar AC, Palit A, Rangunatha S, editors. *Textbook of Pediatric Dermatology*. Second edition. India: Jaypee Brothers; 2014: pp. 344–361.
2. Chandrashekar L, and Singh N. Dermoscopy in children. In: Inamadar AC, Palit A, Rangunatha S, editors. *Textbook of Pediatric Dermatology*. Second edition. India: Jaypee brothers; 2014; pp. 676–685.
3. Thappa DM, and Bishnoi P. Nail changes in lichen planus. In: Sacchidanand S, Savitha AS, editors. *Nail and Its Disorders*. First edition, New Delhi: Jaypee Brothers Medical Publishers (P) Ltd; 2013; pp. 84–89.

4. Thappa DM, and Malathi M. Acneiform eruptions. In: Khanna N, Kubba R, editors. *World clinics-Dermatology-Acne*. New Delhi: Jaypee Brothers Medical Publishers (P) Ltd; 2014: 1(1): pp. 218–233.

PATIENT CARE SERVICES

Clinical

The department had an OPD attendance of 76,120. In addition, 5928 patients attended the follow up clinic on psoriasis and vitiligo. 1721 patients attended the leprosy clinic. A total of 802 patients were treated as in-patients.

Procedures

Intralesional injections	510
Biopsies	1,290
Electrosurgery	600
Cryosurgery	36
Vitiligo surgery	29
Laser procedures	242

Laboratory

1. Skin Scrapings for fungus	4,335
2. Nail Clippings for fungus	412
3. Hair Clippings for fungus	109
4. Gram Smear	1,830
5. Tzanck Smear	897
6. Hair Shaft Examination	35
7. Oil Mount Examination	200
8. Wet Mount Examination	64
10. Ziehl-Neelsen stain for Lepra bacilli	462
11. Ziehl-Neelsen stain for tuberculous bacilli	121
13. ESR	81
14. Urine analysis	623
15. Stool for occult blood	131
16. Stool for parasites	569
17. Dark field examination	16

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. Jaisankar T.J.

- i. Member of the Indian Association of Dermatologists, Venereologists and Leprologists (IADVL).

Dr. Thappa D.M.

- i. Awarded Fellowship of National Academy of Medical Sciences in October 2013 for his academic achievements.
- ii. Editor—in—chief of Indian Journal of Dermatology, Venereology and Leprology (2009–2013).
- iii. Editor—in—chief for starting two journals in 2014-International Journal of Advanced Medical Research and Pigment International.
- iv. Referee for various journals such as American Journal of Clinical Dermatology, British journal of Dermatology, Clinical and experimental Dermatology, International Journal of Dermatology,

- Journal of European Academy of Dermatology and Venereology, International Journal of STD and AIDS, Indian Journal of Medical Microbiology, Journal of Postgraduate Medicine, Indian Journal of Pharmacology, Indian Journal of Cancer, and Indian Pediatrics.
- v. Member Editorial Board of Indian Journal of Sexually Transmitted Diseases and AIDS.
 - vi. Member editorial board of three international journals-Dataset papers, International Dermatology (2012 onwards), Current Dermatology Reports (2012 onwards), World Journal of Clinical Case Conference (2012 onwards).
 - vii. Editorial Advisory Board Member of Indian Journal of Dermatology and Indian Dermatology Online Journal.
 - viii. Fellow International Medical sciences Academy, Member National Academy of Medical Sciences, life member of Indian Association of Dermatologists, Venereologists, and Leprologists (IADVL), life member of Indian Association for the study of Sexually Transmitted Diseases and AIDS (IASSTD and AIDS), life member of Indian Association for Leprologists (IAL), life member of Indian Society of Pediatric Dermatology (ISPD), life member of Indian Medical Association (IMA), core committee member of Contact and occupational Dermatoses Forum of India (CODFI), life member of Cosmetology Society of India (CSI), life member of Nail Society of India, Asian Society for Pigment Cell Research and Pigmentary Disorders Society (PDS), member of International Society of Dermatology, member of Society for Pediatric Dermatology, and member European Academy of Dermatology and Venereology.

Dr. Laxmisha Chandrashekar

- i. Awarded Dr. Premalatha award for the best research paper in Dermatology for the published work in chronic urticaria entitled—Evaluation of platelet activation based on platelet indices, platelet aggregability, soluble P selectin and platelet oxidative stress in chronic urticaria, during the valedictory function of the 42nd national conference of the Indian association of dermatologists, venereologists and leprologists held at New Delhi from December 1 to 7, 2013.
- ii. Member Special interest group of IADVL on leg ulcers.
- iii. Associate editor of the Indian Journal of Dermatology, Venereology and Leprosy.
- iv. Member of European academy of Dermatology and Venereology and International society of dermatology, International Dermoscopic society, Indian association of Dermatologists, Venereologists and Leprologists (IADVL).
- v. Referee for Archives of Dermatology, Clinical and experimental dermatology, Journal of European academy of dermatology and venereology and International journal of Dermatology.
- vi. Successfully completed with distinction—“Statistics in medicine” a course offering from Stanford via edx platform from June 11, 2013 to August 16, 2013.
- vii. Earned a statement of accomplishment for successfully completing the online course from Johns Hopkins—“Science of safety in health care”.

Dr. Rashmi Kumari

- i. Assistant editor and referee for IJDVL (Indian Journal of Dermatology, Venereology and Leprosy).

Dr. Nidhi Singh

- i. Assistant editor of Pigment International.
- ii. Life member of the Indian Association of Dermatology, Venereology and Leprosy (IADVL), life member of Indian Medical Association (IMA), Member of International Dermoscopic Society and life Member of National Teachers Training Centre (NTTC), JIPMER, Puducherry.
- iii. Referee for JAMA Dermatology and Indian Journal of Dermatology, Venereology and Leprosy.
- iv. Successfully completed “PH201x: Health and Society” a course of study offered by Havard X, an online learning initiative of Harvard University through edx.

ADMINISTRATIVE, PATIENT CARE, EDUCATIONAL, RESEARCH AND OTHER ASSIGNMENTS

Dr. Jaisankar T.J.

- i. Post graduate examiner and thesis guide.

Dr. Thappa D.M.

- i. Appointed as Professor in charge and Head, Faculty Publication in September 2013 for mentoring UG and PG research and faculty publications including starting JIPMER online journal.
- ii. External Examiner for PG Degree practical examination of National Board of Examinations in the subject of Dermatology and Venereology held at VMMC and SAFDARJUNG HOSPITAL, New Delhi on September 19 and 20, 2013.
- iii. Expert for assessment of “The Theni Skin Hospitals, Theni, Tamilnadu for running DNB course on January 20 and 21, 2014.
- iv. External expert member for the Selection Committee for faculty positions held in the field of Dermatology and Venereology at Banaras Hindu University, Varanasi, Uttar Pradesh on January 25, 2014.
- v. External expert for assessment of physical and other teaching facilities available at Shimoga Institute of Medical Sciences, Shimoga on February 10 and 11, 2014.
- vi. Member JIPMER Scientific Advisory Committee and its subcommittee.
- vii. Member secretary PG Research Monitoring Committee.
- viii. Member editorial board of institute annual report.
- ix. Expert for New Drug advisory committee (Dermatology and allergy) DGHS, Drug Controller General of India.
 - x. Expert for ICMR, New Delhi.
 - xi. Expert for DST, New Delhi.

Dr. Laxmisha Chandrashekar

- i. Member linen committee.
- ii. Member JIPMER Quality council.
- iii. Post graduate examiner and guide.
- iv. Centre supervisor for the multipurpose worker selection test held at Karaikal.

Dr. Rashmi Kumari

- i. Postgraduate guide.
- ii. Member of JIPMER quality council.

Dr. Nidhi Singh

- i. Member of editorial committee of JIPMER News from March 13, 2014.
- ii. Served as a Volunteer and co-coordinator during Public Health Retreat organized by Ministry of Health and Family Welfare at JIPMER on March 10 and 11, 2014.

SIGNIFICANT EVENTS IN THE DEPARTMENT

Patient care: The department has acquired new equipments for patient care. These include the intense pulse light laser and UVA-1 photo therapy units. These would be greatly beneficial in improving the management of various difficult to treat dermatologic conditions.

Emergency Medical Services

FACULTY LIST

1. SENIOR PROFESSOR AND HEAD : Jagdish S.
2. ADDITIONAL PROFESSOR : Vinay Ramakrishna Pandit
3. ASSISTANT PROFESSOR : Rama Prakasha S.
4. GENERAL DUTY MEDICAL OFFICERS :
 - i. Singaravelu K.P.
 - ii. Joseph Alexis
 - iii. Hadar Basha
 - iv. Vadivel
 - v. Balachandar
 - vi. R Sugumar
 - vii. Sunil Jadhav
 - viii. Archana Waganekar

BACKGROUND INFORMATION OF THE DEPARTMENT

The Department was previously named as “Department of Emergency Medical Services”. With the expansion of the services and as approved by the Standing Academic Committee, it was redesignated as “Department of Emergency Medicine and Trauma”. It caters to a very large population from very wide area bordering Cuddalore, Villupuram, Ariyalur, Thanjavur, Nagappattinam and Thiruvannamalai districts. All kinds of medical and surgical emergencies are being treated in the EMSD including polytrauma, poisonings, myocardial infarction, acute abdomens, burns, and so on.

Casualty medical team consists of doctors, nurses assisted by trauma technicians, student nurses, dressers, nursing attendants, safaiwala and other ancillary hospital staff. In order to cater to the emergency referral services, the department is provided with two ambulances equipped with life support systems. For the diagnostic purposes, it is equipped with X-ray machines, CT scan, ultrasound, ECG and biochemical laboratory investigations. Partially equipped Minor OT cum dressing room is functioning round the clock for fulfilling the needs of the patients.

EDUCATIONAL COURSES

From the year of 2014, postgraduate course (MD-Emergency Medicine and Trauma) has started with annual intake of six residents. The ongoing practical and clinical training include training of medical interns and residents, nursing students, nursing interns and EMT students and interns. The first batch of Emergency Medical Technicians (EMT) has completed their internship training in the month of September 2013.

CONTINUING MEDICAL EDUCATION

- i. Workshop and Training on Emergency Medical Services by Dr. Donna Venezia; State University of New York, Stony Brook; from May 11 to 17, 2013.
- ii. Workshop on “Initial Management and Clinical Governance” at EMSD by Dr. Arun Nandi; Columbia Memorial Hospital, United States from July 15 to 20, 2013.
- iii. JIPMER as a part of Golden Jubilee celebrations organised “International Summit on Emergency Medicine and Trauma-2014” (ISEMT 2014) from February 12 to 16, 2014. The Conference included 10 workshops on emergency and trauma related topics. The following papers were presented during ISEMT-2014.
 - a. Computed tomography utilization in minor head injury. Dr. Anitha Durai, Dr. Rama Prakasha Saya. Oral Presentation, ISEMT 2014.
 - b. Profile of road traffic accidents and predictors of mortality: A descriptive study at the emergency department. Dr. Joseph Alexis, Dr. Rama Prakasha Saya, Dr. Jagdish S. Oral Presentation, ISEMT 2014.
 - c. Characteristics of emergency department visits due to violence: A study of assault cases. Dr. Hadar Basha, Dr. Rama Prakasha Saya, Dr. Jagdish S. Poster Presentation, ISEMT 2014.
 - d. Characteristics of poisoning and predictors of hospital stay: an experience at a tertiary centre. Dr. Singaravelu K. P., Dr. Rama prakasha Saya, Dr. Jagdish S. Poster Presentation, ISEMT 2014.
 - e. A surveillance system for injuries in JIPMER, Pondicherry—A hospital based descriptive study. Swaroop Kumar Sahu, Nanda Kishore Maroju, Gautam Roy, S. Jagdish, Rama Prakasha Saya. Poster Presentation, ISEMT 2014.
- iv. Dr. Vinay R. Pandit, additional professor, attended as instructor for BLS and ACLS provider course held at Father Muller’s Medical College Hospital, Mangalore from March 18 to 21, 2014.
- v. Dr. Vinay R. Pandit, additional professor, attended as instructor for BLS and ACLS Provider Course held at Nightingale Academy, Bangalore from April 07 to 10, 2014.
- vi. A team of doctors and nurses (11 members) attended 5th National Annual Conference on Emergency Medicine and Critical Care from September 6th, 7th and 8th held at JIPMER Auditorium, Pondicherry.

PUBLICATIONS

1. Prakasha SR, Mustafa AS, Baikunje S, and Subramanyam K. “Dry” and “wet” beriberi mimicking critical illness polyneuropathy. *Ann. Ind. Acad. Neurol.* 2013; 16: 687–9.
2. Prakasha SR, Suresh G, Prakash PS, and D’sa IP. Reversible cerebellar ataxia with thyrotoxicosis: An autoimmune brain disease in remission due to Graves’ disease. *Ind. J. Endocr. Metab.* 2013; 17: 519–20.
3. Prakasha SR, Suresh G, D’sa IP, Shetty SS, and Kumar SG. Mapping the pattern and trends of extrapulmonary tuberculosis. *J. Global Infect. Dis.* 2013; 5: 54–9.
4. Shashidhar Baikunje, Mahesha Vankalakunti, and Rama Prakasha Saya. A case of postpartum acute kidney injury. *Am. J. Kidney Dis.* 2013; 61(5): xxv–xxvii.
5. Baikunje S, Prakasha SR, Acharya SV, and Anoop M. An unusual case of “renal failure”. *Ind. J. Nephrol.* 2013; 23: 220–1.
6. Suresh G, Rama Prakasha S, Giridhar BH, and Shama Prakash K. Cavity in the lung: A rare case of *Burkholderia Cepacia* infection. *NUJHS*2013; 3: 100–101.

PATIENT CARE SERVICES

The average daily attendance of patients at emergency department varies between 250–300 cases. For proper categorization of patients according to Emergency Severity Index (ESI), triage of all cases

Emergency Medical Services

attending the casualty was started in the month of July 2013. The team of doctors and nurses are involved in triaging, resuscitating, evaluating all patients attending the emergency. The emergency ICU has 12 beds with 11 ventilators and sick cases are admitted and managed here initially.

Short stay medical patients are admitted in 1st floor for continuation of treatment; beds totalling to 60 numbers. Including both male and female separately. Emergency OT situated in the second floor of EMSD, along with post-operative ward and CCCU. The emergency OT is equipped with three OT tables and averages of 400 operations a month, functioning round the clock. It also has separate ID OT for gas gangrene cases. The third floor consists of trauma-OT, trauma-ICU and critical care unit. The fourth floor has 60 beds and is designated as trauma-ward for trauma and surgical patients. The fifth floor has burns ward, burns-OT and burns-ICU.

Statistics of Patients at Emergency Department during 2013–2014

Month and Year	Number of Patients Attended Casualty
April, 2013	9,514
May, 2013	9,712
June, 2013	9,946
July, 2013	10,226
August, 2013	10,310
September, 2013	10,378
October, 2013	10,498
November, 2013	10,808
December, 2013	10,907
January, 2014	11,071
February, 2014	11,113
March, 2014	11,281

EMS-OT Statistics during 2013–2014

Month and Year	Number of Patient Operated in EMS-OT
April, 2013	392
May, 2013	441
June, 2013	278
July, 2013	254
August, 2013	256
September, 2013	252
October, 2013	251
November, 2013	247
December, 2013	278
January, 2014	265
February, 2014	242
March, 2014	240

Laboratory: Biochemical laboratory is functioning with lab technicians working round the clock for various investigations like blood urea, blood sugar, serum amylase, serum creatinine, ionized calcium, ionized magnesium electrolyte sodium, electrolyte potassium, creatinine kinase direct, creatinine kinase

total, bilirubin total, bilirubin direct, SGOT, SGPT, troponin—I card test, heamoglobin estimation, packed cell volume serum ALP, total protein, and so on.

Statistics of Laboratory Services during 2013–2014

Month and Year	Total Samples Received	Total Investigations Conducted
April, 2013	5,168	31,812
May, 2013	7,046	42,575
June, 2013	6,089	34,984
July, 2013	6,587	36,961
August, 2013	6,925	42,417
September, 2013	7,059	41,373
October, 2013	6,990	39,788
November, 2013	7,019	40,791
December, 2013	7,388	44,757
January, 2014	6,487	40,683
February, 2014	6,163	37,360
March, 2014	7,485	45,159

Endocrinology

FACULTY LIST

- | | | |
|-----------------------------|---|--------------------------------|
| 1. SENIOR PROFESSOR AND HOD | : | Ashok Kumar Das |
| 2. ASSOCIATE PROFESSOR | : | Sadish Kumar @ Kamalanathan C. |
| 3. ASSISTANT PROFESSOR | : | Jaya Prakash Sahoo |

BACKGROUND INFORMATION OF THE DEPARTMENT

The division of Endocrinology functioned in JIPMER under Medicine department for short intervals under Muthalagu and Sushil Kumar Gupta earlier in the past. The department of Endocrinology was started in 2010 with appointment of Sadish Kumar @ Kamalanathan as assistant professor of Endocrinology under the administrative control of Abdoul Hamide and Jaya Prakash Sahoo joined them in 2012. It has currently 18 sanctioned beds in Superspecialty block along with twice weekly OPDs in Superspecialty Block. Ashok Kumar Das took over as HOD from Abdoul Hamide on June 2013 and subsequently DM Endocrinology course was started in department. The sound DM training programme has periodic Endo-Nuclear Medicine, Pediatric Endocrine and Radiology meets for furthering patient care and academics.

EDUCATIONAL COURSES

Undergraduate courses: The department participates in MBBS coaching schedule of Medicine department.

Higher specialty courses: DM Endocrinology course is run by the department with yearly intake of two seats.

CONFERENCES AND CMES ORGANIZED BY THE DEPARTMENT

Golden jubilee JIPMER CME on diabetes was conducted in Superspecialty block on August 9, 2013.
CONFERENCES AND CMES ATTENDED BY FACULTY

Dr. Ashok Kumar Das

Organized Golden jubilee JIPMER CME on diabetes was conducted by the Endocrinology department of JIPMER in Superspecialty block on August 9, 2013.

Chaired 7th National Insulin Summit and Diabetes Consensus Group Meeting in Hyderabad on August 31–September 1, 2013.

Chaired a session on obesity in the 43rd Annual Conference of Endocrine Society of India, ESICON 2013 held in Bhopal on October 18–20, 2013.

Participated and chaired sessions in 41st Annual Conference of Research Society for the Study of Diabetes in India (RSSDI) held in New Delhi on November 8–10, 2013.

Delivered a lecture on topic “Individualized treatment for diabetes to prevent disease progression” in 69th APICON in Ludhiana on February 20–23, 2014.

Dr. Sadish Kumar @ Kamalanathan

Gave a live interview in All India Radio FM Rainbow, Puducherry on management of diabetes on April 18, 2013.

Faculty at the 11th CMC Vellore Scientific Symposium on Endocrine Tumours-2013, organised by CMC, Vellore from July 03rd to 6th, 2013.

Chaired a session on “Prediction and early detection of risk factors for coronary heart disease in diabetes” in Golden jubilee JIPMER CME on diabetes was conducted by the Endocrinology department of JIPMER in Superspecialty block on August 9, 2013.

Chaired a talk on topic “Endocrine causes of hypertension” in JIPMER Nephrology Update 2013-Hypertension in superspecialty block of JIPMER on September 24, 2013.

Attended 43rd Annual Conference of Endocrine Society of India, ESICON 2013 held in Bhopal on October 18–20, 2013.

Delivered a talk on topic “Diabetes mellitus: Diagnosis and Management Principles” in Mother Theresa Nursing college, Puducherry on November 15, 2013.

Delivered a lecture on “Approach to disorders of puberty” in Endocrine CME held by department of Medical Endocrinology, Madurai Medical College and took part in a panel discussion on glucocorticoids on January 4, 2014.

Coordinated the case of thyrotoxicosis in “Thyroid Clinical Grand Round” session of “Medicine Update” on February 8, 2014

Attended the International Clinical Update program in Endocrinology (ICUE) in Hyderabad on February 1–2, 2014.

Gave a live interview in Puducherry Doordharshan on management of diabetes and thyroid disorders on March 12, 2014.

Dr. Jaya Prakash Sahoo

Delivered a talk on topic “Insulin autoantibody in type two diabetes” in Hyderabad on July 14, 2013.

Chaired a session on “Overview of management of diabetic nephropathy” in Golden jubilee JIPMER CME on diabetes was conducted by the Endocrinology department of JIPMER on August 9, 2013 in Superspecialty block

Research Projects

S. No	Name of Principal Investigator	Title of Project	Duration of Project	Funding Agency and Total Funds Sanctioned	Collaborating Institutions/ Departments	Status
1.	Sadish Kumar @ Kamalanathan	Effect of thyroxin on endothelial function and cardiac manifestations in women with subclinical hypothyroidism	2 years	Intra-mural, ₹2,00,000	Endocrinology, cardiology and biochemistry	Ongoing
2.	Jayaprakash Sahoo	Serological and biochemical markers of adrenal cortex and endocrine pancreas dysfunction in patients with Hashimoto's thyroiditis—a hospital based pilot study	2 years	Intramural, ₹3,00,000	Endocrinology, immunology	Ongoing

Endocrinology

Delivered a talk on topic “Endocrine causes of hypertension” in JIPMER Nephrology Update 2013-Hypertension in superspecialty block of JIPMER on September 24, 2013.

Delivered a talk on topic “Chronic Complications of diabetes” in Mother Theresa Nursing College, Puducherry on November 15, 2013.

Coordinated the case of congenital hypothyroidism in “Thyroid Clinical Grand Round” session of “Medicine Update” on February 8, 2014.

PUBLICATIONS

Journals

1. Balachandran K, Kamalanathan S, Gopalakrishnan S, and Murugananadham K. Multiple endocrine neoplasia 2B: Delayed presentation, rapid diagnosis. *BMJ Case Rep.* May 2 2013; 2013.
2. Vignesh G, Balachandran K, Kamalanathan S, Hamide A, and Myoedema A. Clinical pointer to hypothyroid myopathy. *Ind. J. Endocrinol. Metab.* May 2013; 17(2): 352.
3. Sukumar SP, Balachandran K, Jayakumar, Kamalanathan S, Sahoo JP, Das AK, and Halanaik D. Congenital hypothyroidism—An usual suspect at an unusual age: A case series. *Ind. J. Endocrinol. Metab.* October 2013; 17(Suppl. 1): S184–7.
4. Sahoo J, et al. Tumor(s) induced osteomalacia a curious case of double trouble. *J. Clin. Endocrinol. Metab.* February 2014; 99(2): 395–8.
5. Roopesh Kumar VR, Madhugiri VS, Kamalanathan SK, Srinivas BH, Narayan SK, and Bidkar P. Complete and curative excision of hypothalamic hamartomas via the orbito-zygomatic approach. *Neurol. India.* November–December 2013; 61(6): 690–1.
6. Patil MM, Kamalanathan S, Das AK, and Sahoo J. Thyrotoxicosis with periodic paralysis. *Int. J. Clin. Exp. Physiol.* 2014; 1: 74–6.
7. Nayak PK, Mitra S, Sahoo JP, Daniel M, Mathew A, and Padma A. Feto-maternal outcomes in women with and without gestational diabetes mellitus according to the International Association of Diabetes and Pregnancy Study Groups (IADPSG) diagnostic criteria. *Diab. Metab Syndr.* October–December 2013; 7(4): 206–9.
8. Sahoo JP, and Kamalanathan SK. Comment on: Late-onset acquired generalized lipodystrophy with muscle involvement. *Actas Dermosifiliogr.* September 2013; 104(7): 643.
9. Syamsunder AN, Pal GK, Pal P, Kamalanathan CS, Parija SC, and Nanda N. Association of sympathovagal imbalance with cardiovascular risks in overt hypothyroidism. *N. Am. J. Med. Sci.* September 2013; 5(9): 554–61.
10. Sahoo JP, Kamalanathan S, Mitra S, Nayak PK, and Das AK. Comment on Kulkarni et al. Maternal lipids are as important as glucose for fetal growth: findings from the Pune maternal nutrition study. *Diab. Care.* 2013; 36: 2706–2713. *Diabetes Care.* February 2014; 37(2): e38.

PATIENT CARE SERVICES

Clinical services

Division	2013–2014
OPD	16,565
Ward	457

Consultations: 2934

DXA Scan statistics—OPD + IPD (September 2013–March 2014): 226

Daycare dynamic endocrine tests/treatment: 307

AWARDS, HONOURS AND OTHER PERSONAL ACHIEVEMENTS

Sadish Kumar @ Kamalanathan C.

- Awarded the best reviewer for IJEM (Indian Journal of Endocrinology and Metabolism) award for 2013

Jaya Prakash Sahoo

- Became life member of RSSDI (Research Society for the Study of Diabetes in India).

ADMINISTRATIVE, PATIENT CARE, EDUCATIONAL, RESEARCH AND OTHER ASSIGNMENTS

Sadish Kumar @ Kamalanathan C.

- Faculty responsible for formulating curriculum, course content and training program of the D.M. Endocrinology course at JIPMER.
- Peer reviewer for journals like Indian Journal of Endocrinology and Metabolism (IJEM), BMJ Case Reports (BMJCR), Journal of Pharmacology and Pharmacotherapeutics (JPP), Indian Journal of Orthopedics (IJO).
- Member of Hospital Stores Articles Purchase Committee (HSAPC) and purchase of sanitary items and Contingency stores.
- Guide for DM Endocrinology thesis and Coguide for various DM Clinical Pharmacology, DM Neurology, MD Medicine, MD Biochemistry, MD Pharmacology, MD Physiology theses and Physiology PhD project.

Jaya Prakash Sahoo

- Member of JIPMER Quality Council (Sentinel events/Root cause analysis and Nosocomial infection).
- Guide for DM Endocrinology trainee and Coguide for various MD Medicine and Physiology theses and Physiology PhD project.

SIGNIFICANT EVENTS IN THE DEPARTMENT

June 12, 2013: AK Das takes over as HOD from Abdoul Hamide.

August 1, 2013: DM Endocrinology course started.

August 9, 2013: Golden jubilee JIPMER CME on diabetes.

September 17, 2013: DXA installed in department.

“October 18–20, 2013: Suja P Sukumar presented a paper” “Congenital hypothyroidism—A usual suspect at an unusual age—A case series” in 43rd Annual Conference of Endocrine Society of India, ESICON 2013 held in Bhopal. Karthik Balachandran presented a paper “Bisphosphonates in Tumoral Calcinosis-Hope or Hype?” in same National conference.

February 5, 2014: Inauguration of non-communicable disease and launching of training programmes for all stakeholders under “World Diabetes Federation.”

FACULTY LIST

1. PROFESSOR AND HEAD	:	Sunil Kumar Saxena
2. PROFESSOR	:	Gopalakrishnan S.
3. ASSOCIATE PROFESSORS	:	i. Pradipta Kumar Parida ii. Arun Alexander
4. ASSISTANT PROFESSORS	:	i. Sivaraman G. ii. Jyotirmay Hegde

BACKGROUND INFORMATION OF THE DEPARTMENT

The origin of Department of Oto-Rhino-Laryngology and Head Neck Surgery dates back to November 1956 when Ecole De Medicine De Pondicherry established in 1823 by the French Government was taken over by Government of India.

The Department has been doing Endoscopic Sinus Surgery (Video Monitored) using Microdebridors from 1995 with highly gratifying results. The department has started the state of art image guided surgery in the current academic year which will provide a good gateway for expanded Endoscopic Skull Base Surgery. In collaboration with the neurosurgery, the department is pioneering Minimally Invasive Skull Base Tumor Treatments and Minimally Invasive Pituitary Surgery. The department is doing advanced endoscopic surgery like endoscopic CSF rhinorrhoea repair, endoscopic DCR, endoscopic excision of angiofibroma, endoscopic orbital decompression, endoscopic optic nerve decompression etc., The department is also doing all kinds of microscopic otological surgery, micro-laryngeal surgery, laser surgery (CO2 Laser, KTP Laser, and Diode laser) head neck surgery and phonosurgery with excellent results.

Audiology Section is equipped with GSI 33 and GSI 61 Audiometers, sophisticated BERA and OAE to facilitate enhanced audiological evaluation. The introduction of VEMP and ENG in the battery of oto-neurological investigations has led to advanced evaluation of patients with vertigo. The department is planning to start basic skill training center which will pave way for better training of undergraduate and postgraduate trainees. From 2014 the institute has increased postgraduate seats in ENT from two to five seats.

EDUCATIONAL COURSES

Undergraduate Courses

Classes are undertaken for Undergraduate students (VI and VII semesters). This includes theory classes of about 70–80 h and practical/clinical postings for 8 weeks. The students are divided into four batches and they undergo the clinical and practical training in rotation during the VI and VII semesters in this speciality and their performance is assessed by the senior faculty by the marks obtained in the periodical/scheduled tests.

Postgraduate Courses

Postgraduate Degree course M.S., (ENT) was started in 1969 with annual intake of two postgraduates. From 2012 the year the intake is increased to four. The training programs for the postgraduates are undertaken as per the guidelines/directions of JIPMER duly following the protocol for teaching activities as per the MCI guidelines. The program for the postgraduate students includes weekly case presentation, seminars and journal clubs.

Diploma in Hearing and Language Speech (DHLS) (through e-mode)

DHLS course, of 1 year duration through e-mode the first of its kind in JIPMER (recognized by RCI-Rehabilitation Council of India) is being conducted at JIPMER Study Centre under the aegis of Host Institute of All India Institute of Speech and Hearing (AIISH), Mysore from 2007. Five batches have already completed. The fresh batch was admitted for the session 2013–2014 (consisting of 20 students).

The programme is being funded by AIISH, Mysore to meet the expenditure pertaining to stipend to students, salary to the contract staff, day to day miscellaneous expenses, etc.

Dr. S. Gopalakrishnan has been acting as the local co-ordinator for the above programme since 2007.

CONFERENCES AND CMES ORGANIZED BY THE DEPARTMENT

Nil

CONFERENCES AND CMES ATTENDED BY THE FACULTY

Dr.Sunil Kumar Saxena

- Attended “PENTCON 2013” at Pondicherry Institute of Medical Sciences, Pondicherry on September 21 and 22, 2013 as Moderator of surgical session.
- Attended “Quaestio 2014” at PSG Medical College, Coimbatore on January 25 and 26, 2014 as Faculty
- Attended Second International and 7th National conference of the Society of Wound Care & Research (SWCR) from October 11 to 13, 2013 held at JIPMER, Pondicherry as faculty.
- Attended 32nd workshop on FESS held on February 7–9, 2014 at Hyderabad.

Dr. S. Gopalakrishnan

- Attended “PENTCON 2013” at Pondicherry Institute of Medical Sciences, Pondicherry on September 21 and 22, 2013 as Moderator of surgical session.
- Attended Second international and 7th national conference of the Society of Wound Care & Research (SWCR) from October 11 to 13, 2013 held at JIPMER, Pondicherry.
- Attended “Monothematic Workshop on Brain Death” organised by working group on organ donation, Puducherry and Mohan Foundation, Chennai on September 21, 2013 at JIPMER, Puducherry.
- Attended CME on “Rational use of blood components” on January 11, 2014 at JIPMER Puducherry.

Dr.Pradipta Kumar Parida

- Participated in the “Workshop on Question Paper Setting” on July 7, 2013 held at JIPMER, Puducherry.
- Participated in the “Workshop on Setting Multiple Choice Questions” on August 11, 2013 held at JIPMER, Puducherry.
- Attended 2nd international and 7th National Conference of the Society of Wound Care and Research (SWCR) from October 11 to 13, 2013 held at JIPMER, Pondicherry.
- Attended the “4th short course on basic epidemiology” from November 4 to 8, 2013 held at JIPMER, Puducherry.
- Participated as a delegate in the “CME & Workshop on patient safety” on November 23 and 24, 2013 at JIPMER, Puducherry.

ENT

- Attended “66th National Conference of the Association of Otolaryngologist of India” held on January 9–12, 2014, at Mysore as a Delegate.
- Participated in seminar on translational research held on January 24, 2014 at JIPMER, Puducherry.
- Attended Monothematic Workshop on Brain Death organised by working group on organ donation, Puducherry and Mohan Foundation, Chennai on September 21, 2013 at JIPMER, Puducherry.
- Attended CME on Rational use of blood components on January 11, 2014 at JIPMER Puducherry.

Dr. Arun Alexander

- Attended “PENTCON 2013” at Pondicherry institute of medical Sciences Pondicherry on September 21 and 22, 2013 as Moderator of surgical session.
- Attended National Conference of the Indian Society of Otolaryngology 2013 at Bangalore between November 8 and 10, 2013 as delegate.
- Attended “Quaestio 2014” at PSG Medical College Coimbatore on January 25 and 26, 2014 as Faculty.
- Attended 32nd workshop on FESS held on February 7–9, 2014 at Hyderabad.
- Attended Medeqsafe-India, Raising Awareness Regarding Medical Equipment Safety Workshop at JIPMER Pondicherry on February 24, 2014 as delegate.
- Attended Paediatric Airway Surgical Workshop at AIIMS Kochi from March 14 to 16, 2014 as delegate.

Guest lectures and Invited talk

- Moderator of surgical session at “PENTCON 2013” at Pondicherry institute of medical Sciences Pondicherry on September 21 and 22, 2013.
- Guest Lectures titled (1) Osteology and (2) Common ENT Surgery at “Quaestio 2014” at PSG Medical College Coimbatore on January 25 and 26, 2014.

Dr. Jyotirmaya Hegde

- Attended 9th International Workshop on Endoscopic Endonasal Skull base Surgery held on April 26–28, 2013 at Jaipur, Rajasthan's.
- Attended Workshop on “Good Clinical Practice” held on April 20, 2013 at SDMCMSH, Dharwad.
- Attended Live Surgical Workshop on Otolaryngology and Cadaveric Temporal Bone and Lateral Skull Base Dissection on July 20 and 21, 2013 at SDMCMSH, Dharwad.
- Attended Training in “XXVII Teachers Training Programme” on 20-09-2013 at SDMCMSH, Dharwad.
- Attended Workshop on Curriculum Development regarding framing of curriculums for BSc Operation Theatre Technology on January 25, 2014 at JIPMER, Pondicherry.

Research Projects

S. No	Name of the Principal Investigator	Title of Project	Duration of Project (From ... to)	Funding Agency and Total Funds Sanctioned	Collaborating Institutions/ Departments	Status (Completed in FY 2013–2014 or Ongoing)
1.	Dr. Arun Alexander	Prospective Study on audiological changes in patients treated with radiotherapy for Head and neck cancers.	July 2010 onwards	Nil	Dept. of Radiotherapy, JIPMER	Ongoing
2.	Dr. Pradipta Kumar Parida	Evaluation of thyroid dysfunction after radiation therapy in head and neck cancer patients.	July 2010 onwards	Nil	Dept. of Biochemistry, Radiotherapy and Nuclear Medicine, JIPMER	Ongoing

3	Dr. Arun Alexander	Evaluation of Postoperative Bleeding with application of autologous platelet rich plasma following Hemithyroidectomy. A Randomized Controlled Trial	July 2010 onwards	Nil	Dept. of Transfusion Medicine, JIPMER	Ongoing
4.	Dr. Pradipta Kumar Parida	Factors predicting early diagnosis of laryngotracheobronchial foreign body in children	August 2013 onwards	Nil	Dept. of Pediatrics, JIPMER	Ongoing

PUBLICATIONS

Journals

1. Parida PK, Nochikattil SK, Surianarayanan G, Saxena SK, and Ganesan S. A comparative study of temporalis fascia graft and vein graft in myringoplasty. *Ind. J. Otolaryngol. Head Neck Surg.* December 2013; 65(Suppl. 3): 569–74, (Impact Factor 0.03).
2. Parida PK, Surianarayanan G, Alexander A, Saxena SK, and Santhosh K. Diode laser turbinate reduction in the treatment of symptomatic inferior turbinate hypertrophy. *Ind. J. Otolaryngol. Head Neck Surg.* August 2013; 65(Suppl. 2): 350–5, (Impact Factor 0.03).
3. Parida PK, and Surianarayanan G. Accidental entry of fish into throat while bathing in a pond. *Case Rep. Med.* 2013, (Impact Factor).
4. Parida PK, Alexander A, Raja K, Surianarayanan G, and Ganeshan S. First branchial cleft malformation with duplication of external auditory canal. *Case Rep. Otolaryngol.* 2013, (Impact Factor).
5. Venkatesan SK, Manoharan KS, Parida PK, Alexander A, and Gopalakrishnan S. Stridor in an elderly woman: an unusual presentation of a giant thyroglossal cyst. *Case Rep. Otolaryngol.* 2013, (Impact Factor)
6. Krishnan B, Parida PK, Gopalakrishnan S, and Satyparakash MVS. An unusual cause of epistaxis in a young patient: The supernumerary nasal tooth. *Oral Maxillofac. Surg.* December 2013; 17(4): 315–7, (Impact Factor).
7. Sivaraman Ganesan, Ravi D, Pradipta Kumar Parida, Gopalakrishnan S, and Sunil Kumar Saxena. Fatal Rhino Orbital Zygomycosis (Mucormycosis) Mimicking as Deep Neck Abscess in a HIV Patient—A Rare Case Report SEAJCRR November–December 2(6), 524–530, (Impact Factor).
8. Sivaraman G, Zayapragassarazan Z, Pradipta Kumar Parida, Sunil Kumar Saxena, Gopalakrishnan S, and Mahalakshmy T. Using post-revision exam classes as a learning strategy. *Educ. Med. J.* 2014; 6(1), (Impact Factor).
9. Madana J, Yolmo D, Gopalakrishnan S, and Saxena SK. Laryngotracheal rhinosporidiosis. *Ear. Nose Throat. J.* July 2013; 92(7): E27–30, (Impact Factor 0.659).
10. Balachandran K, Kamalanathan S, Gopalakrishnan S, and Murugananadham K. Multiple endocrine neoplasia 2B: Delayed presentation, rapid diagnosis. *BMJ Case Rep.* May 2 2013; 2013, (Impact Factor).
11. Karthikeyan VS, Sistla SC, Badhe AS, Mahalakshmy T, Rajkumar N, Ali SM, and Gopalakrishnan S. Randomized controlled trial on the efficacy of bilateral superficial cervical plexus block in thyroidectomy. *Pain Pract.* September 2013; 13(7): 539–46, (Impact Factor 2.605).
12. Manoharan KS, Saxena SK, and Gopalakrishnan S. Congenital anomalies presenting as recurrent post-auricular abscesses: An institution based retrospective study. *Int. J. Pediatr. Otorhinolaryngol.* August 2013; 77(8): 1308–11, (Impact Factor 1.167).
13. Hegde HV, Bhat M, Prasad KC, Hegde J, Rao R, and Yaliwal V. Airway difficulty in Mallampatti “class zero” patients. *Eur. J. Anaesthesiol.* July 2013; 29(7); 338–42, (Impact Factor 2.792).

14. Hegde JS, Arunkumar JS, Naveen KN, Prasad KC, and Santosh SG. Lupus Vulgaris of external nose- a case report. *J. Ind. Med. Assoc.* 2013; 111: 130–1 and 134, (Impact Factor 0.13).
15. Pradeep AV, Hegde JS, Koti SV, and Arunkumar JS. Clinico-bacterial study of Chronic dacryocystitis cases in North Karnataka. *Jr Clin. Diag. Res.* 2013; 09: 34–39, (Impact Factor 0.14).

Book Chapters

1. Arun Alexander. “Cochlear Implant” in text book of “Neurobionics” by Professor Sunil Narayanan.
2. Dr. S. Gopalakrishnan has co-authored a chapter on Tropical ENT infections of the book “An Atlas of Investigation and Management of ENT Infections” 2nd edition by Vinidh Paleri.

PATIENT CARE SERVICES

ENT Department runs the regular OPD services in all working days from 8.30 AM to 1.00 PM with an average daily OPD attendance of 280. Besides regular OPD, a special Cancer Clinic runs on Tuesday afternoon (2.00–5.00 PM) wherein the average OPD attendance is 65–70. In patient care services are provided from the Department of ENT with the bed strength of 33 (14 male and 11 female and post-operative ward 8). The bed occupancy rate is approximately 96.29% last year with turnover interval of 1.3.

The average number of surgeries done in the main Operation Theatre per month is 180–200. The number of procedures done in the minor OT and emergency services range 200–220 per month.

With the addition of new sophisticated equipments such as Video monitored nasal endoscopic equipments with the documentation facilities, Image Navigation System, Binocular operating microscope, Microdebrider, CO₂, KTP and Diode laser, etc., the department has been doing more sophisticated micro-surgery of the ear and larynx, head and neck cancer surgery and various types of functional endoscopic surgery with highly gratifying results.

AWARDS, HONOURS, AND OTHER PERSONAL ACHIEVEMENTS

- i. Dr. Kalaiarasi R, Dr. Gopalakrishnan S, and Dr. Pradipta Kumar Parida won the best paper award for “A randomized controlled trial comparing diode laser stapedotomy with conventional stapedotomy in otosclerosis” in “PENTCON 13”.

ADMINISTRATIVE, PATIENT CARE EDUCATIONAL, RESEARCH AND OTHER ASSIGNMENTS

Dr Gopalakrishnan S. and Dr. Sunil Kumar Saxena have acted as adviser to UPSC and have undertaken the assignments by MCI as Inspector and by Pondicherry University for starting of UG and PG courses in various medical colleges.

SIGNIFICANT EVENTS IN THE DEPARTMENT

- Establishment of latest version of OAE, BERA and ENG in audiological profile of investigations.
- Use of Navigation System for endoscopic sinus surgery and skull base surgery.
- Professor Rob Shepherd, from Bionics Institute Australia Visited JIPMER on January 8 and 9, 2014 and delivered a talk on “Cochlear Prosthesis” and interacted with faculties.

Forensic Medicine and Toxicology

FACULTY LIST

1. ADDITIONAL PROFESSOR AND HEAD	:	Manoj Kumar Mohanty (upto September 05th, 2013)
2. ASSOCIATE PROFESSOR AND IN CHARGE	:	Kusa Kumar Shaha (from September 6th, 2013 onwards)
3. ASSISTANT PROFESSOR	:	Siddhartha Das
4. ASSISTANT PROFESSOR	:	Sanjay Sukumar
5. ASSISTANT PROFESSOR	:	Ambika Prasad Patra
6. ASSISTANT PROFESSOR	:	Vinod A Chaudhari

BACKGROUND INFORMATION OF THE DEPARTMENT

The department of Forensic Medicine and Toxicology deals with the medico legal autopsy cases coming from Puducherry and the adjoining districts of Tamil Nadu. Annually around 900 cases are conducted; which mainly includes road traffic accidents, burns, poisoning and assaults. The faculties frequently go to the courts and depose regarding various cases as an expert witness. In addition to teaching the under graduate and post graduate students, theory classes are also taken for MRT, MRD, EMT students. In order to increase the practical knowledge of the students, they are taken to the mortuary and demonstrated various cases.

Educational Courses

- i. Undergraduate courses
 - a. M.B.B.S.
 - b. EMT
 - c. M.R.T.
 - d. M.R.O.
- ii. Postgraduate courses
 - a. M.D.

CONFERENCES AND CMES ORGANIZED BY THE DEPARTMENT

Nil.

CONFERENCES AND CMES ATTENDED BY FACULTY

Manoj Kumar Mohanty

- a. Attended a CME on “Toxidromic Approach to the Clinical Diagnosis of poisoning and Medico Legal aspect of Toxicology” organized by the Department of Forensic Medicine and Toxicology, SRM Medical College Hospital and Research centre, SRM University, Tamil Nadu on August 30th, 2013.

Kusa Kumar Shaha

- a. Participated in Workshop on “Bioethics for members of Institute Ethics Committee,” organized by the Division of Research, JIPMER, Pondicherry on April 3rd, 2013.
- b. Participated in CME and Workshop on “Medico legal documentation,” organized by the Department of Forensic Medicine, Govt. Villupuram Medical college, Villupuram on July 10th, 2013.
- c. Attended a Workshop on “Setting Multiple Choice Questions” organized by the Department of Medical education, JIPMER, Pondicherry on August 11th, 2013.
- d. Participated in Regional Workshop for Sensitization and Awareness on National Medical college Network Project, Ministry of Health and family Welfare, Govt. of India, organized by the Department of Telemedicine, JIPMER, Pondicherry on August 16th, 2013.
- e. Attended a CME on “Toxidromic Approach to the Clinical Diagnosis of poisoning and Medico Legal aspect of Toxicology” organized by the Department of Forensic Medicine and Toxicology, SRM Medical College Hospital and Research centre, SRM University, Tamil Nadu on August 30th, 2013.
- f. Attended a CME on “Monothematic workshop on Brain death” organized by the Department of Surgical Gastroenterology and Neurology, JIPMER, Pondicherry on September 21st 2013.
- g. Participated as National Faculty and delivered a Guest Lecture titled “Medico Legal Aspect of Wound Care” at the 2nd International and 7th National Annual Conference of The Society for Wound care and Research (SWCR), WOUND CARE CON—2013 held at JIPMER, Puducherry, organised by Department of Plastic surgery from October 11th to 13th, 2013.
- h. Attended “4th Short Course on Basic Epidemiology” organized by Department of Preventive and Social Medicine, JIPMER from November 4th to 8th, 2013.
- i. Participated and delivered a Guest Lecture titled “Medico Legal Aspect of Wound” at Christian Medical College, Vellore, organised by Department of Forensic Medicine and Legal Cell, Directorate on November 23rd, 2013.
- j. Attended a Workshop on “Patient Safety” organized by the JIPMER Quality Council (JQC), JIPMER, Pondicherry on November 23rd and 24th, 2013.
- k. Attended a Workshop on “Disaster Preparedness” organized by the International Summit on Emergency medicine and Trauma (ISEMT) 2014 JIPMER, Pondicherry on February 13th, 2014.
- l. Participated as Delegate for International Summit on Emergency medicine and Trauma (ISEMT), 2014 held at JIPMER, Puducherry, organised by JIPMER from February 14th to 16th, 2014.

Siddhartha Das

- a. Attended 67th NTTC course organized by Department of Medical Education, JIPMER from September 12th to 21st, 2013.
- b. Presented a paper titled “Electrocution as an occupational fatality—is it preventable?” at Annual Conference of Karnataka Medico-Legal Society (KAMLS) held at Mysore Medical College, Mysore from November 22nd to 24th, 2013.

Sanjay Sukumar

- a. Presented a paper titled “ISSUING CAUSE OF DEATH IN SKELETONISED REMAINS—A CASE REPORT” at the 4th International Conference on Medical Negligence and Litigation in Medical Practice 4th International Conference on Recent Advances in Forensic Sciences, Medicine and Toxicology held on February 25th to 27th, 2014, at Goa, India.

Ambika Prasad Patra

- a. Attended 68th NTTC course organized by Department of Medical Education, JIPMER from February 24th to March 1st, 2014.

Research Projects

S. No.	Name of Principal Investigator	Title of Project	Duration of Project	Funding Agency and Total Funds Sanctioned	Collaborating Institutions/ Departments	Status (completed in FY 2013–2014 or ongoing)
1.	Dr. Siddhartha Das	Usage pattern of journals and their perceived application in health research among the under graduate medical students	Awaiting ethical committee approval	Intramural fund	Department of FMT, PSM and Medicine	Ongoing
2.	Dr Kusa Kumar Shaha	Audit of death certification at JIPMER, Pondicherry	Awaiting ethical committee approval for 02 years	Nil	Department of FMT and PSM	Ongoing
3.	Dr Ambika Prasad Patra	Analysis of Epidemiological Factors of Unnatural Deaths among Geriatric population at JIPMER, Pondicherry	Awaiting ethical committee approval for 02 years	Nil	Department of FMT and PSM	Ongoing

PUBLICATIONS

- i. Das S, Basu D, Manigandan G. Necrotizing fasciitis—A Rare Fatal Outcome of Road Traffic Accident. *Egypt. J. Forensic. Sci.* 2013; 3:92–95.
- ii. Das S, Badhe B, Shaha KK, Manickam N, Manigandan G. Fatal Scorpion Envenomation—Report of Two Cases. *J. Ind. Acad. Forensic Med.* 2013; 35(4):404–407.
- iii. Patra AP, Bharadwaj B, Shaha KK, Das S, Rayamane AP, Tripathy CS. Impulsive Frotteurism—a Case Report. *Med Sci Law OnlineFirst*, published on 2013 August 8; doi:10.1177/0025802412474813.
- iv. Patra AP, Shaha KK, Rayamane AP. Review of 24 cases of Maternal Deaths from Amniotic-Fluid Embolism: in Correlation with Clinical and Histopathological Findings. *Sch Acad J Biosci* 2013; 1(3):85–89.
- v. Shaha KK, Patra AP, Das S, Sukumar S, Mohanty MK. Awareness of Risks, Hazards and Preventions in Autopsy Practice: A Review. *J. Evol Med Dent Sci* 2013; 2 (22):4030–4041.
- vi. Patra AP, Rayamane AP, Shaha KK, Kundargi PA, Mohanty MK, Das S. Practice of Illegal Abortion in India: With Reference to a Case Report. *Ind J Forensic Med Pathol* 2013; 6(4):29–35.
- vii. Rayamane AP, Pradeepkumar MV, Patra AP, Chandrashekaraiaha CS, Kotabagi RB, Rajaram T. Mysterious Death of a Young Adult. *J Ind Acad Forensic Med* 2013; 35(3):293–295.
- viii. Patra AP, Geethpriya, Rayamane AP, Chandrashekaraiiah CS, Sushma, Sharmila. Arrhythmogenic Right Ventricular Dysplasia/Cardiomyopathy. *J Forensic Med Sci Law* 2013; 22(2):224–230.
- ix. MV Pradeep K, Rayamane AP, Chandrashekaraiiah CS, Ahmed N, Patra AP. Technical Aspects of Crime Scene Photography. *J Ind Acad Forensic Med* 2013;36(1):68–71.
- x. Shaha KK, Patra AP, Das S. The Importance of Informed Consent in Medicine. *Sch J App Med Sci* 2013; 1(5):455–463.
- xi. Chaudhari V A, Mohite S C, Kharat R, Sabale P, Sonawane S, Phulpagar M. Novus actus interveniens—A Case Report. *Ind J Forensic Med Toxicol* 2013; 7(1): 254–257.
- xii. Kharat R, Chaudhari V, Sonawane S, Sabale P, Mohite S. Early detection of snake bite - a case report. *Medico-Legal Update* 2013; 13(1):85–88.
- xiii. Sonawane S S, Chaudhari V A, Mohite S C, Ghodke D G, Kharat R D, Sabale P R. Carbon monoxide poisoning in burn—a case report. *Medico-Legal Update* 2013; 13(1):114–117.

PATIENT CARE SERVICES

Conducting Medico legal autopsies including brought dead cases.

AWARDS, HONOURS AND OTHER PERSONAL ACHIEVEMENTS

Kusa Kumar Shaha

- a. Editorial Board Member of “Indian Journal of Forensic Medicine & Pathology” Journal
- b. Examiner for MBBS and MD at different states University like Pondicherry, Tamilnadu, Andhra Pradesh, Karnataka and Kerala.
- c. Evaluate the MD thesis in Forensic Medicine and Examiner for MD for Dr NTR University, Andhra Pradesh and Berhampur University, Odisha
- d. Participated as National Faculty and delivered a Guest Lecture titled “Medico Legal Aspect of Wound Care” at the 2nd International and 7th National Annual Conference of The Society for Wound care and Research (SWCR), WOUND CARE CON – 2013 held at JIPMER, Puducherry, organised by Department of Plastic surgery from 11th to 13th October 2013.
- e. Delivered a Guest Lecture titled “Medico Legal Aspect of Wound” at Christian Medical College, Vellore, organised by Department of Forensic Medicine and Legal Cell, Directorate on 23rd November 2013.

Siddhartha Das

- a. Editorial Board Member of “Forensic Medicine and Anatomy Research” journal.
- b. Went as an External Examiner for UG students to Melmaruvathur Medical College, Melmaruvathur, Tamil Nadu from February 21st – 26th, 2013.

ADMINISTRATIVE, PATIENT CARE, EDUCATIONAL, RESEARCH AND OTHER ASSIGNMENTS

Kusa Kumar Shaha

- a. Institute Representative, JIPMER PG (MD/MS) Examination, Bhubaneswar Centre, Odisha, February 22nd and 23rd, 2014
- b. Chairman for PG Forensic Medicine Examination 2014
- c. As resource person for PG orientation programme 2013 for newly joined PGs in the subject of Medical Law and ethics
- d. As resource person for Intern orientation programme 2014 for newly joined interns in the subject of Medical Law and ethics
- f. Working as central public information officer for the department
- g. Working as a member for JIPMER Quality Council

Siddhartha Das

- a. Invigilation duty for JIPMER DM/MCh examination 2013–2014.
- b. Security night duty.

SIGNIFICANT EVENTS IN THE DEPARTMENT

Mortuary has been upgraded and new equipment has been installed.

Medical Biometrics and Informatics (Biostatistics)

FACULTY LIST

- | | | |
|-------------------------------------|---|-----------------------|
| 1. PROFESSOR OF BIOMETRICS AND HEAD | : | Ajit Sahai |
| 2. LECTURER [#] | : | Harichandrakumar K.T. |

[#]Lecturer in Statistics and Demography (S&D) under Post-Partum Programme (PPP)

BACKGROUND INFORMATION

Since March 1987 the Biometrics-Division through the Department of Preventive and Social Medicine had been actively teaching Biostatistics-Demography to all Undergraduates; Biostatistics-Research Methodology to Medical and Paramedical Postgraduates; apart from regular consultations to Postgraduates, Post-Doctoral programmes, Ph.D scholars, Faculty and Staff to help them designing research protocols-projects, analyzing data for interpreting results and writing communications. In recent past the Standing Academic Committee (SAC) of Institute approved the initiation of PhD and Post-Graduate courses in Medical Biometrics (Biostatistics) along with the creation of essential faculty and staff positions. In accordance, an independent Department of MB&I had become operational since January 2011.

EDUCATIONAL COURSES

Undergraduate Courses

- MBBS (III and VII Semesters)
- B.Sc. MLT (3rd Year)
- B.Sc. Nursing (4th Year)

Postgraduate Courses

- MD and MS (1st and 3rd Year)
- M.Sc. Nursing (1st Year)
- M.Sc. Medical Biochemistry (2nd Year)
- Post Basic Diploma in Nursing

Higher Specialty Courses

- DM and M.Ch (1st Year)

Research Courses

- Ph.D (1st Year)

Certificate Courses

- Medical Records Officers
- Medical Records Technician

CONTINUING MEDICAL EDUCATION PROGRAMS

The Department is actively involved as Core-faculty through the Department of Medical Education in conduct of regular CMEs (Orientation Programmes and Workshops) on Research Methodology and Biostatistics organized frequently for MD and MS; DM and MCh and PhD Scholars.

CONFERENCES AND CMES ATTENDED BY FACULTY

Dr. Ajit Sahai

- a. Was invited to attend the 31st Annual National Conference of Indian Society for Medical Statistics (ISMS) along with the Golden Jubilee Celebrations of the Biostatistics Department organized by Christian Medical College, Vellore, Tamil Nadu, between October 24th and 26th, 2013, with theme “Emerging Statistical Challenges in Clinical Trials, Genetic Epidemiology and Public Health”. Had chaired the first session of invited talks and also attended the preconference workshop and the executive committee meeting on October 23rd, 2013, as a resource person.
- b. Was invited to attend and deliver an invited talk in the International Conference on Recent Developments on Statistical Theory and Practice organized by the Department of Statistics, at Pondicherry University, Puducherry, between December 14th and 16th, 2013.
- c. Have attended the Clinical Trial Registry India (CTRI) Review meeting at National Institute of Medical Statistics (NIMS), ICMR, New Delhi, as a resource person on December 24th, 2013.
- d. Had attended the executive committee meeting on December 26th, 2013 during the 12th Biennial Conference of International Biometrics Society (Indian Region) organized by the Department of Statistics, at National Institute for Research in Tuberculosis, ICMR, Chennai, between December 27th and 28th, 2013, with theme “Recent Advances in High Dimensional Data Analysis”. Also chaired three technical sessions including the IBS Oration award.
- e. Was special invitee to the workshop on ‘National Data Analysis Plan under NACP-IV’, held at JIPMER, during January 16th to 18th, 2014.
- f. Was invited as a resource person to chair a session and to attend the central council meeting of the 58th Annual National conference of Indian Public Health Association (IPHA) organized by the Department of Community Medicine, at Sri Venkateswara Medical College, Tirupati, Andhra Pradesh, between January 22nd and 24th, 2014, with the theme “Joining hands to combat Social Determinations of health”.
- g. Was invited as a resource faculty to attend the 41st Annual National Conference of Indian Association of Preventive and Social Medicine (IAPSM) organized by the Department of Community Medicine, at Agartala Government Medical College, Tripura, between February 6th and 8th, 2014, with the theme “Securing healthy life style: Challenges and Opportunities”. Had chaired technical and plenary (on EIS) sessions; chaired and coordinated the juries’ decision making in IAPSM awards presentation session and delivered a talk on Role of Biostatistics in Health Research in the Pre Conference CME held on 5th February 2014.
- h. Attended the International Summit on Emergency Medicine and Trauma 2014 (ISEMT 2014) organized by the Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER), Puducherry, Pre- Conference Workshops between February 11th to 13th, 2014 and Conference and Scientific Sessions between February 14th to 16th, 2014.

Mr. K.T. Harichandrakumar

- a. Attended workshop on Basics of Biostatistics and Clinical Research Methodology at Malabar Cancer Centre, Thalasseri, Kerala on 27th and 28th April, 2013 as resource faculty and delivered four lectures respectively on “Essentials in formulating a Research Proposal”, “Study Designs in Epidemiology”, “Statistical Significance in Medical Research” and “Test of significance for continuous measurements”.
- b. Attended the 31st Annual National Conference of Indian Society for Medical Statistics at Department of Biostatistics, Christian Medical College, Vellore, Tamil Nadu during October 24th

to 26th, 2013 and presented a paper “National Burden due to Road Traffic Accident Death in India”.

RESEARCH PROJECTS

Nil (*From the Dept currently as PI*)

PUBLICATIONS

Nil *From the Dept and/or as first author.*

PATIENTS CARE

Not Applicable

Consultation Services

The Department while providing statistical guidance to various research projects and postgraduate dissertations (around 300) had taken the role of co-investigator or co-guide to some 15 candidates, apart from co-authoring a number of research papers published (10) and presented in conferences (5); as may be found reflected and referred in the listing provided by the concerned Departments.

AWARDS, HONOURS AND OTHER PERSONAL ACHIEVEMENTS

Dr. Ajit Sahai

- i. Was invited to inaugurate the National Workshop on Simulation Techniques and Re-sampling Procedures, December 2011–2013, 2013; organized by the Department of Statistics, Ramanujan School of Mathematical Sciences at Pondicherry University, Puducherry, along with the Vice Chancellor and delivered the inaugural address to the participants on 11th December 2013.
- ii. Was invited to inaugurate along with the Director (NIRT) the International Year of Statistics 2013 Celebrations and 12th Biennial Conference of International Biometrics Society (Indian Region) organized by the Department of Statistics, at National Institute for Research in Tuberculosis, ICMR, Chennai, on December 27th, 2013 and delivered the Keynote address to the delegates.
- iii. Was invited to attend the inaugural session as a resource person on January 20th, 2014 and delivered the felicitation address for the Research Workshop organized by College of Nursing, JIPMER, during January 20th and 21st, 2014.
- iv. Had been a life member since 1985 and a Fellow (2004) as well the President (2007-08) and elected as Chief Editor of the Bulletin of Indian Society for Medical Statistics (ISMS); for a period of five years (2013–2017).
- v. Had been a life member of International Biometric Society IBS (IR) since 2001; and was elected as an Executive Committee member—for the third consecutive term of 02 years 2013–2014.
- vi. Had been a member of International Epidemiological Association (IEA) since 2002; got upgraded as a life member during 2012. I am invited to present two research papers on Spiritual Health during the 20th World Congress of Epidemiology at Anchorage, AK, USA, 2014.
- vii. Had been a life member and Governing Council member for six years of Indian Association of Preventive and Social Medicine (IAPSM) and Indian Public Health Association (IPHA) and also the founder President of the local Chapters; recently was re-elected as President (since February 2014).

Mr. K.T. Harichandrakumar

- i. Life Member of Indian Society for Medical Statistics (ISMS)
- ii. Life Member of Kerala Statistical Association (KSA)

Medical Biometrics and Informatics (Biostatistics)

- iii. As a member of the Institute Volley-Ball team played in the state level college staff's tournament held at Pondicherry Institute of Medical Sciences (PIMS) and the team won the 2nd prize.

ADMINISTRATIVE, EDUCATIONAL, RESEARCH AND OTHER ASSIGNMENTS

Dr. Ajit Sahai

- i. Chairman, Recruitment Rules (RR) Committee since January 2014.
- ii. Chairman, Committee to draw the Scope of Work for Outsourcing of Security Services—2013–2014.
- iii. Chairman, Committee on Housekeeping and Multi-Task Work (HK and MTW) – 2013–2014.
- iv. Chairman, FFC—Confidential Enquiry Committee—2013–2014.
- v. Member, Spandan Committee - All India Students Cultural and Sports events—2013–2014
- vi. Member of JIPMER Scientific Advisory Committee (JSAC) (2009–2014);
 - a. Member of JSASC (2013–2014);
 - b. Member of Sponsored Clinical Trial Research Committee (2013–2014);
 - c. Member of Postgraduate Research Monitoring Committee (2013–2014);
 Have attended frequent periodic meetings; at least 15, loaded with a series of research proposals of various committees' as well subsequent supplementary meetings.
- vii. Have been serving as Editorial Adviser/Consultant and Reviewer for Journals and Bulletins of various academic societies such as; IJMR, ISMS, IJCM & IJPH etc. (2002–2014).
- viii. Also, have had been on the Editorial Board, as professional advisor, to some of the Indian Journals published through JIPMER; such as “Indian journal of Urology” (of USI); “Indian Journal of Pharmacology” (of IPS); “Biomedicine—an International Journal of Biomedical Sciences” (of IABMS); “Indian journal of Dermatology, Venereology and Leprology” (IJDVL); and “Journal of Pharmacology & Pharmacotherapeutics”—continuing (2002–2014); and “International Journal of Clinical and Experimental Physiology (IJCEP)”- current year.
- ix. Had been evaluation examiner for Ph. D. Thesis in Biostatistics for three candidates and already conducted viva—voce for one at Delhi;
 - a. M. Kalaivani, Department of Biostatistics, All India Institute of Medical Sciences (AllIIMS), New Delhi, 2013–2014—“Trends, Differentials and Determinants of Neonatal, Infant and Under-Five Mortality in the Empowered Action Group States”.
 - b. Rajeev Kumar, University College of Medical Science, University of Delhi, Delhi, 2013-14—“Multilevel Modeling Approach to Evaluate the Quality of the Multivariable Logistic Regression Reporting in National and International Medical Journals”.
 - c. Kamal Kishore, Department of Biostatistics, National Institute of Mental Health and Neuro Sciences (NIMHNS), Bangalore, 2014—“On Certain Linear and Nonlinear Statistical Models for Measurement of Change”.

Mr. K.T. Harichandrakumar

- i. Was deputed by the department to attend the review meeting of DM, MCh & Fellowship dissertations held during November 4th to 6th, 2013 and participated in JIPMER Scientific Advisory Sub-Committee (JSASC) meeting held on 8th November 2013.
- ii. Was nominated by the department as a member of the undergraduate research monitoring committee and attended three meetings held during February and March 2014.
- iii. Deputed by institute as the Centre Supervisor for conducting the written examination for recruitment to the post of staff nurse on September 8, 2013 at Trivandrum, Kerala.

SIGNIFICANT EVENTS IN THE DEPARTMENTS

Nil

Medical Education

FACULTY LIST

- | | | |
|--|---|---|
| 1. PROFESSOR AND HEAD | : | i. Santosh Kumar (Till June 30, 2013)
ii. Gitanjali Batmanabane (From July 01, 2013) |
| 2. ASSOCIATE PROFESSOR OF EDUCATIONAL TECHNOLOGY | : | Z. Zayapragassarazan |

CORE GROUPS/RESOURCE PERSONS

National Course on Educational Science for Teachers of Health Professionals

Core Group

- i. Dr. T.S. Ravikumar, Director, JIPMER and Project-Director, NTTTC, JIPMER
- ii. Dr. K.S. Reddy, Dean, JIPMER (Till August 31, 2013)
- iii. Dr. S. Mahadevan, Dean, JIPMER (From September 01, 2013)
- iv. Dr. P.H. Ananthanarayanan, Professor and Head of Biochemistry
- v. Dr. Santosh Kumar, Professor and Head of Medical Education and Urology (Coordinator till June 30, 2013)
- vi. Dr. B. Vishnu Bhat, Professor and Head of Paediatrics.
- vii. Dr. Latha Chaturvedula, Professor of Obstetrics and Gynaecology
- viii. Dr. D. Kadambari, Professor of Surgery
- ix. Dr. Debductta Basu, Professor of Pathology and Officer I/c of Transfusion Medicine
- x. Dr. B. Gitanjali, Professor of Pharmacology and Head of Medical Education (Coordinator from July 1st, 2013)
- xi. Dr. R.P. Swaminathan, Professor and Head of Medicine (Till July 08, 2013)
- xii. Dr. Z. Zayapragassarazan, Associate Professor of Educational Technology
- xiii. Dr. Sitanshu Sekhar Kar, Associate Professor of P&SM
- xiv. Dr. Manikandan S., Assistant Professor of Pharmacology
- xv. Dr. Zachariah Bobby, Professor of Biochemistry, JIPMER (From July 26, 2013)
- xvi. Dr. Nanda Kishore Maraju, Associate Professor of Surgery (From July 26, 2013)
- xvii. Dr. Vikas Menon, Assistant Professor of Psychiatry (From July 26, 2013)

Interns Orientation Program On Quality Care

Resource Persons

- i. Dr. J. Balachander, Medical Superintendent
- ii. Dr. S. Jagdish, Joint Medical Superintendent
- iii. Dr. M. J. E. Ambrose, Additional Medical Superintendent
- iv. Dr. Anita Rustogi, Additional Medical Superintendent
- v. Dr. Rajan Swain, Chief Medical Officer
- vi. Dr. B. Gitanjali, Professor of Pharmacology Head of Medical Education

Medical Education

- vii. Dr. Abdoul Hamide, Professor of Medicine
- viii. Dr. Debduitta Basu, Professor of Pathology and Officer I/c of Transfusion Medicine
- ix. Dr. K.C. Premarajan, Professor of P&SM
- x. Dr. D. Kadambari, Professor of Surgery
- xi. Dr. Santosh Kumar, Professor of Urology
- xii. Dr. Manoj Kumar Mohanty, Additional Professor of Forensic Medicine and Toxicology
- xiii. Dr. R. Soundravally, Associate Professor of Biochemistry
- xiv. Dr. Kusa Kumar Shaha, Associate Professor of Forensic Medicine and Toxicology
- xv. Dr. T. Kadhiraavan, Associate Professor of Medicine
- xvi. Dr. Z. Zayapragassarazan, Associate Professor of Educational Technology, Department of Medical Education
- xvii. Dr. Jyoti Wadhwa, Associate Professor of Medicine
- xviii. Dr. Jharna Mandal, Associate Professor of Microbiology
- xix. Dr. Manikandan K, Associate Professor of Obst. & Gyn.
- xx. Dr. Haritha Sagili, Associate Professor of Obst. & Gyn.
- xxi. Dr. Sriram Krishnamurthy, Associate Professor of Paediatrics
- xxii. Dr. P Narayanan, Associate Professor of Paediatrics
- xxiii. Dr. Sonali Sarkar, Associate Professor of P&SM
- xxiv. Dr. Mahalakshmy T, Assistant Professor of P&SM
- xxvi. Dr. Nanda Kishore Maroju, Associate Professor of Surgery
- xxvii. Dr. Muruganandham, Associate Professor of Urology
- xxviii. Dr. Jayanthi M, Assistant Professor of Pharmacology
- xxix. Dr. Manikandan S, Assistant Professor of Pharmacology
- xxxx. Dr. Nancy Premkumar, Medical Social Worker
- xxxi. Dr. T.L. Vasudevan, MBBS, DLO, ENT Practitioner, ENT Surgical Clinic, Puducherry
- xxxii. Dr. N. Ravi, Associate Professor, Dr. Ambedkar Govt. Law College, Kalapet, Puducherry
- xxxiii. Dr. Uma Chandrasekaran, Associate Professor, Department of Management Studies, School of Management, Pondicherry University, Kalapet, Puducherry

FIRST YEAR POSTGRADUATE ORIENTATION PROGRAMMES FOR MD/MS (IN TWO BATCHES), DM/MCH, PHD AND MSC STUDENTS

MD/MS First Year PG Orientation Programme (Batch-1)

Programme Coordinators

- i. Dr. Gitanjali B, Professor of Pharmacology and Head of Medical Education
- ii. Dr. R. Raveendran, Professor of Pharmacology

Research Methodology and Research Protocol Writing

- i. Dr. Vikram Kate, Professor of Surgery
- ii. Dr. B. Adhisivam, Associate Professor of Paediatrics
- iii. Dr. Sitanshu Sekhar Kar, Associate Professor of P&SM
- iv. Dr. Nanda Kishore Maroju, Associate Professor of Surgery
- v. Dr. S. Manikandan, Assistant Professor of Pharmacology

Biostatistics

- i. Dr. Ajit Sahai, Professor and Head of Medical Biometrics and Informatics
- ii. Dr. E. Lenin Babu, Associate Professor of Anesthesiology
- iii. Dr. Laxmisha C, Associate Professor of Dermatology and STD

- iv. Mr. K.T. Harichandrakumar, Lecturer in Statistics and Demography, Department of Medical Biometrics and Informatics

Research Protocol Writing, Ethics and Journal Article Presentation

- i. Dr. Zachariah Bobby, Professor of Biochemistry
- ii. Dr. Suryanarayana BS, Associate Professor of Medicine
- iii. Dr. Swaroop Kumar Sahu, Assistant Professor of P&SM
- iv. Dr. Nanda Kishore Maraju, Associate Professor of Surgery
- v. Mr. K.T. Harichandrakumar, Lecturer in Statistics and Demography, Department of Medical Biometrics and Informatics

Ethics and Professionalism

- i. Dr. Niranjana Biswal, Professor of Paediatrics
- ii. Dr. Manoj Kumar Mohanty, Additional Professor and Head of Forensic Medicine and Toxicology

Journal Article Selection and Presentation

- i. Dr. B. Adhisivam, Associate Professor of Paediatrics
- ii. Dr. Z. Zayapragassarazan, Associate Professor of Educational Technology, Department of Medical Education

MD/MS First Year PG Orientation Programme (Batch-2)

Programme Coordinators

- i. Dr. Gitanjali B, Professor of Pharmacology and Head of Medical Education
- ii. Dr. R. Raveendran, Professor of Pharmacology

Research Methodology and Research Protocol Writing

- i. Dr. Zachariah Bobby, Professor of Biochemistry
- ii. Dr. Channaveerappa B, Associate Professor of Medicine
- iii. Dr. Suryanarayana BS, Associate Professor of Medicine
- iv. Dr. P. Veena, Associate Professor of Obst. & Gyn.
- v. Dr. Swaroop Kumar Sahu, Assistant Professor of P&SM

Biostatistics

- i. Dr. Ajit Sahai, Professor and Head of Medical Biometrics and Informatics
- ii. Mr. K.T. Harichandrakumar, Lecturer in Statistics and Demography, Department of Medical Biometrics and Informatics
- iii. Dr. K. Anish, Assistant Professor of Obst. & Gyn.
- iv. Dr. Swaroop Kumar Sahu, Assistant Professor of P&SM

Research Protocol Writing, Ethics and Journal Article Presentation

- i. Dr. Vikram Kate, Professor of Surgery
- ii. Dr. Zachariah Bobby, Professor of Biochemistry
- iii. Dr. Channaveerappa B, Associate Professor of Medicine
- iv. Dr. Ganesh Kumar, Associate Professor of P&SM
- v. Mr. K.T. Harichandrakumar, Lecturer in Statistics and Demography, Department of Medical Biometrics and Informatics

Ethics and Professionalism

- i. Dr. Gowri Dorairajan, Professor of Obst. and Gyn.
- ii. Dr. Manoj Kumar Mohanty, Additional Professor and Head of Forensic Medicine and Toxicology

Journal Article Selection and Presentation

- i. Dr. K.C. Premarajan, Professor of P&SM
- ii. Dr. M. Jayanthi, Assistant Professor of Pharmacology

DM/MCh First Year PG Orientation Programme

- i. Dr. T.S. Ravikumar, Director, JIPMER
- ii. Dr. J. Balachander, Medical Superintendent, JIPMER
- iii. Dr. Anita Rustagi, Additional Medical Superintendent, JIPMER
- iv. Dr. S. Jagdish, Professor and Head of Emergency/Casualty
- v. Dr. L.N. Dorairajan, Professor and Head of Urology (Programme Coordinator)
- vi. Dr. Gitanjali B, Professor of Pharmacology and Head of Medical Education
- vii. Dr. T.K. Dutta, Professor of Medicine and Head of Hematology
- viii. Dr. Sunil K Narayan, Professor and Head of Neurology
- ix. Dr. D.G. Shewade, Professor of Pharmacology
- x. Dr. Ravi Kumar Chittoria, Additional Professor and Head of Plastic Surgery
- xi. Dr. Murali Poduval, Additional Professor of Orthopedics
- xii. Dr. Santhosh Satheesh, Associate Professor and Head of Cardiology
- xiii. Dr. Raja J Selvaraj, Associate Professor of Cardiology
- xiv. Dr. Z. Zayapragassarazan, Associate Professor of Educational Technology, Department of Medical Education
- xv. Dr. Jharna Mandal, Associate Professor of Microbiology
- xvi. mDr. Sreejith Parameswaran, Associate Professor of Nephrology
- xvii. Dr. Pradeep P Nair, Associate Professor of Neurology
- xviii. Dr. Venkatesh S Madhugiri, Associate Professor of Neurosurgery
- xix. Dr. Narayanan P, Associate Professor of Paediatrics
- xx. Dr. Dinesh Kumar, Associate Professor of Plastic Surgery
- xxi. Dr. Ravi Philip Rajkumar, Associate Professor of Psychiatry
- xxii. Dr. Shyama Prem, Associate Professor of Radiotherapy
- xxiii. Dr. Muruganandham K, Associate Professor of Urology
- xxiv. Dr. R. Manikandan, Associate Professor of Urology
- xxv. Dr. Rina Gulati, Assistant Professor of Paediatrics
- xxvi. Dr. S. Manikandan, Assistant Professor of Pharmacology
- xxvii. Dr. Deepak Bharathi, Assistant Professor of Radiodiagnosis
- xxviii. Dr. Biju Pottakat, Assistant Professor of Surgical Gastroenterology
- xxix. Mrs. Chitrlekha, Social Service Officer, Medical Social Service Wing

First Year Orientation Programme for PhD and MSc Students

- i. Dr. G.K. Pal, Professor and Head of Physiology (Programme Coordinator)
- ii. Dr. B. Gitanjali, Professor of Pharmacology and Head of Medical Education
- iii. Dr. V.S. Negi, Professor and Head of Clinical Immunology
- iv. Dr. C. Adithan, Professor and Head of Clinical Pharmacology
- v. Dr. Ajit Sahai, Professor and Head of Medical Biometrics and Informatics
- vi. Dr. B. Vishnu Bhat, Professor and Head of Paediatrics
- vii. Dr. Zachariah Bobby, Professor of Biochemistry
- viii. Dr. S. Sujatha, Professor of Microbiology
- ix. Dr. D.G. Shewade, Professor of Pharmacology
- x. Dr. R. Raveendran, Professor of Pharmacology
- xi. Dr. Pravati Pal, Professor of Physiology

- xii. Dr. Z. Zayapragassarazan, Associate Professor of Educational Technology, Department of Medical Education
- xiii. Dr. Sonali Sarkar, Associate Professor of P&SM
- xiv. Dr. Sitanshu Sekhar Kar, Associate Professor of P&SM
- xv. Dr. S. Manikandan, Assistant Professor of Pharmacology
- xvi. Mr. K.T. Harichandrakumar, Lecturer in Statistics and Demography, Department of Medical Biometrics and Informatics

THIRD YEAR POSTGRADUATE ORIENTATION PROGRAMME ON RESEARCH METHODOLOGY

Core Group

- i. Dr. S. Mahadevan, Professor of Pediatrics and Dean, JIPMER
- ii. Dr. Santosh Kumar, Professor of Urology (Coordinator)
- iii. Dr. Ajit Sahai, Professor and Head of Medical Biometrics and Informatics
- iv. Dr. R.P. Swaminathan, Professor and Head of Medicine
- v. Dr. Gautam Roy, Professor and Head of P&SM
- vi. Dr. P.H. Ananthanarayanan, Professor of Biochemistry
- vii. Dr. R. Raveendran, Professor of Pharmacology
- viii. Dr. Kadhiravan. T, Associate Professor of Medicine
- ix. Dr. Sonali Sarkar, Associate Professor of P&SM
- x. Dr. Sitanshu Sekhar Kar, Associate Professor of P&SM
- xi. Dr. Manikandan S, Assistant Professor of Pharmacology
- xii. Mr. Hari Chandra Kumar, K.T. Lecturer in Statistics and Demography, Department of Medical Biometrics and Informatics

JIPMER NEWS EDITORIAL BOARD

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HOW TO LEARN MEDICINE—FOR FIRST YEAR STUDENTS

- i. Dr. Sitanshu Sekhar Kar, Associate Professor of P&SM, (Co-ordinator)
- ii. Dr. Venkatesh Madugiri, Associate Professor of Neurosurgery
- iii. Dr. M.S. Gopalakrishnan, Associate Professor of Neurosurgery

BACKGROUND INFORMATION OF THE DEPARTMENT

The Department of Medical Education conducts regular educational and training programs such as National Courses on Educational Science for Teachers of Health Professionals (twice a year), Interns Orientation Programs (twice a year), First Year Postgraduate Orientation Programs (for MD/MS (in two batches), DM/MCh, PhD & MSc students) and Third Year Postgraduate Orientation Program. The purpose of National Courses is to empower medical teachers to make medical education skill oriented and need based and also to help in setting up or improving Medical Education Units/Departments in their own institutions. The Department has been entrusted with the responsibility of conducting the SMART programme (Strengthen, Motivate, Augment, Re-train and Team Build) for JIPMER staff other than the medical and nursing personnel. Half-day workshops on topics of importance are conducted for faculty, general medical duty officers, and residents.

The Department also performs corporate work such as preparation of JIPMER Annual Report, JIPMER Input for Ministry's Annual Report, JIPMER Results Framework Document and Performance Evaluation of JIPMER Results Framework Document. Other activities include bringing out of JIPMER News (6 issues) and any other work assigned by The Director, JIPMER.

EDUCATIONAL COURSES

Other Courses

The Department of Medical Education organized the following short term training programmes:

- i. National Courses on Educational Science for Teachers of Health Professionals (Twice a year)
 - a. 67th National Course on Educational Science for Teachers of Health Professionals was held from September 12th to 21st, 2013.
 - b. 68th National Course on Educational Science for Teachers of Health Professionals was held from February 20th to March 1st, 2014.
 - c. 69th National Course on Educational Science for Teachers of Health Professionals was held from March 6th to 15th, 2014.
- ii. Interns Orientation Programme (Twice a year)
 - a. Interns Orientation Programme for July 2013 Batch was held on July 15th and 16th, 2013 at JIPMER, Puducherry.
 - b. Interns Orientation Programme for January 2014 was held from January 8th to 10th, 2014 at JIPMER, Puducherry.

- iii. First Year Postgraduate Orientation Programme on Research Methodology
 - a. First Year Postgraduate Orientation Programme for the year 2013 was held for MD/MS (in two batches), DM/MCh, PhD & MSc students as follows.
 - b. MD/MS (Batch 1): on August 19, and 20th, 2013
 - c. MD/MS (Batch 2): on August 22nd and 23rd, 2013
 - d. DM/MCh: in afternoon from 07.10.2013 to 10.10.2013.
 - e. PhD & MSc: in forenoon from September 25th to 27, 2013; afternoon on September 28, 2013 and afternoon on September 30, 2013
- iv. Third Year Postgraduate Orientation Programme on Research Methodology
 - a. Third Year Postgraduate Orientation programme on Research Methodology for the year 2013 was held on April 22nd, 23rd and 25th, 2013 at JIPMER, Puducherry.

CONFERENCES AND CMES ATTENDED

Dr. Gitanjali Batmanabane

Resource person for various workshops and conferences within the Institute are as follows:

- i. Workshop on Ethics held on April 19th, 2013 at Pondicherry Institute of Medical Sciences.
- ii. Workshop on Bio Ethics, JIPMER held on April 3rd, 2013.
- iii. Continuing Pharmacy Education. Delivered a talk on Essential medicines and their rational use on April 24th, 2013. (place?)
- iv. Workshop on Purchase procedures for Store-keepers at SSB Conference Hall, JIPMER on April 6th, 2013.
- v. Workshop on Purchase procedures for faculty at Lister Theatre, JIPMER on 28th April, 2013.
- vi. Workshop on Question Paper Setting for JIPMER faculty on July 7th, 2013 at Nursing College, JIPMER
- vii. Interns Orientation Programme held from July 15th to 16th, 2013 at Nursing College, JIPMER.
- viii. Workshop on MCQ setting for JIPMER faculty on August 11th (Sunday), 2013 held at Nursing college, JIPMER
- ix. 67th National Course on Educational Science for Teachers of Health Professionals (NTTC) held from September 11th to 21st, 2013.
- x. First Yr PG Orientation Programme for MD/MS students held in August 2013.
- xi. First Yr PG Orientation Programme for MSc/PhD on research methodology and ethics held on October 7th, 2013.
- xii. First Yr PG Orientation Programme for DM/MCh students on Research methodology and Communication held in October 2013.
- xiii. Interns Orientation Programme held from January 8th to 10th, 2014 at JIPMER
- xiv. 68th National Course on Educational Science for Teachers of Health Professionals (NTTC) held at JIPMER from February 20th to March 1st, 2014.
- xv. 69th National Course on Educational Science for Teachers of Health Professionals (NTTC) held at JIPMER from March 6th to 15th, 2014.

Resource person for various workshops and conferences outside the Institute are as follows:

- i. Conference on “Drug Discovery and Signaling Mechanisms” at School of Life Sciences, Pondicherry University and delivered a talk on “Clinical trials: the final hurdle in drug Discovery” on March 22nd, 2013.
- ii. Workshop on Research in Human ethics held at Sri Manakula Vinayagar Medical College and Hospital, Kalitheerthalkuppam in May 2013.
- iii. Workshop on Scientific Writing at Sree Chitra Thirunal Institute of Medical Science & Technology, Trivandrum on June 12th and 13th, 2013.

Medical Education

- iv. Seminar on Recent Advances in Health Professional Education at Mahatma Gandhi Medical College on July 19th, 2013. Delivered a talk on “Linking T-L Principles to Lesson plan”.
- v. State level conference on Research Methodology at Sri Devaraj Urs Medical College, Kolar on August 13th and 14th, 2013. Conducted sessions on Publication Ethics on August 14th, 2013.
- vi. Workshop on “How to read a paper?” in Chettinad Health City on September 7th, 2013.
- vii. Temporary Advisor to the WHO Workshop on Informal Consultation on Chemoprophylaxis for leprosy at National Institute of Epidemiology at Ayapakkam, Chennai from October 8th to 10th, 2013
- viii. 4th Annual Conference of Pondicherry Chapter of IPS- Panel discussion on PG Training and Evaluation on November 15th, 2013 at Indira Gandhi Medical College, Vazhudavur Road, Pondicherry.
- ix. Updating WHO database on Medicines use in developing and transitional Cometrics from November 27th to December 4th at SEARO, WHO, New Delhi.
- x. Third National and Fifth International Conference of Indian Society of Rational Pharmacotherapeutics held at Dayan and Medical College, Ludhiana, Punjab. Resource person for Workshop on basic Biostatistics on January 30, 2014 and conference on January 31st and February 1st, 2014.
- xi. Workshop on Scientific Writing at Government Medical College, Amritsar on February 2nd, 2014.
- xii. Workshop on Ethics and Professionalism at Government Medical College, Amritsar on February 3rd, 2014.

Dr. Z. Zayapragassarazan

Zayapragassarazan Z, Gitanjali B. Presented a paper on “Integration of telemedicine in Indian medical curriculum” in the International Telemedicine Conference 2013—Telemedicon’ 13 of the Telemedicine Society of India (TSI), hosted by Mahatma Gandhi Medical College, Jaipur from November 29, 2013 to December 01, 2014.

Workshops organized

- i. A workshop on “Question Paper Setting” was organized by the Department of Medical Education in the forenoon of July 7th, 2013, in the Seminar Hall of College of Nursing, JIPMER. A total of 27 participants attended the workshop. The faculty members of the NTTC Core Group served as resource persons for different sessions of the workshop.
- ii. An informal session for first year medical students on “How to Study Medicine” was organized by the Department of Medical Education on 3rd August, 2013 in the Mini Auditorium of JIPMER Academic Centre.
- iii. A workshop on “Setting Multiple Choice Questions (MCQs)” was organized by the Department of Medical Education in the forenoon of 11th August, 2013, in the Seminar Hall of College of Nursing, JIPMER. A total of 25 faculty members from various disciplines attended the workshop. The faculty members of the NTTC Core Group served as resource persons for different sessions of the workshop.
- iv. The Tamil Language Learning Programme was organized by the Department of Medical Education between November 4th to 14th, 2013. Faculty members and residents from various departments took part in the programme and got benefited by learning the local language which essential for doctor-patient communication.
- v. A hands-on training programme on “Zotero” was organized by the Department of Medical Education between 9 am to 1 pm on November 18th, 2013 in the e-learning centre for post-graduate students and residents of JIPMER. Thirty one students and residents took part in the training.

- vi. A hands-on workshop on “Literature Survey” for the General Duty Medical Officers of JIPMER was organized by the Department of Medical Education between 9 AM to 1 PM on 4th January, 2014 in the e-learning Centre. Fourteen medical officers took part in the workshop.
- vii. A demonstration session on Using Mannequins for Skills Training was organized by the Department of Medical Education between 3 PM to 5 PM on January 7th, 2014 in the NTTC Hall-2 for faculty members of JIPMER. 30 faculty members from various pre, para and clinical departments participated in the programme gained hands-on experience on using mannequins.

Research Projects

S. No.	Name of the Principal Investigator	Title of Project	Duration of Project (From To)	Funding Agency and Total Funds Sanctioned	Collaborating Institution/ Department	Status (completed in FY 2012–2013 or ongoing)
1.	Dr. Z. Zayapragassarazan	Information and Communication Technologies (ICT) Usage pattern in learning activities among Medical and Paramedical students in Puducherry.	2 years	NIL	NIL	Ongoing
2.	Dr. Gitanjali Batmanabane	Content evaluation of theory question papers in JIPMER	6 Months	NIL	NA	Ongoing

PUBLICATIONS (JOURNAL ARTICLES)

1. Gitanjali B. When angels fall...are we lowering the standards of medical education in India? J Pharmacol Pharmacother 2013; 4: 1–3.
2. Gitanjali B. Antidotes: Where are they when needed? J Pharmacol Pharmacother 2014; 5: 1–3.
3. Zayapragassarazan Z, Kumar S, Ananthanarayanan PH, Bhat VB, Latha C, Kadambari D, Gitanjali B, Basu D, Swaminathan RP, Kar SS, Manikandan S. Report on 66th National Course on Educational Science for Teachers of Health Professionals. Edu Med J 2013; 5(4): e92.
4. Zayapragassarazan Z, Kumar S. Self Assessment of Training Needs of Telemedicine Staff – A Pilot Study. Ind J Med Informatics 2013; 7(3): 124–129.
5. Sivaraman G, Zayapragassarazan Z, Pradipta Kumar Parida, Sunil Kumar Saxena, Gopalakrishnan S, Mahalakshmy T. Using post-revision exam classes as a learning strategy. Edu Med J 2014; 6(1): e76.

MANAGEMENT OF ANNUAL REPORTS

JIPMER Annual Report

The Director, JIPMER entrusted the preparation and publication of the fourth JIPMER Annual Report to the Department of Medical Education which coordinated with the members of the editorial board and successfully brought out the JIPMER Annual Report for the year 2012–2013 and tabled in Budget Session of the Parliament in 2014.

JIPMER Input for Ministry's Annual Report

Information required for JIPMER Input for Ministry's Annual Report was collected. The JIPMER Input was prepared and sent to the Ministry.

Results Framework Document (RFD)

Results Framework Document of JIPMER for FY 2014–2015 and Performance Evaluation of Results Framework Document of JIPMER for FY 2013–2014 were prepared and sent to the Ministry.

AWARDS, HONOURS AND OTHER PERSONAL ACHIEVEMENTS***Dr. Gitanjali Batmanabane***

- i. Organization of Interns Orientation Programme, July 2013.
- ii. Organization of First Year Postgraduate Orientation Programs for MD/MS (in two batches), DM/MCh, PhD & MSc students, August and September 2013.
- iii. Organization of 67th National Course on Educational Science for Teachers of Health Professionals, September 2013.
- iv. Organization of Interns Orientation Programme, January 2014.
- v. Organization of 68th National Course on Educational Science for Teachers of Health Professionals, February 2014.
- vi. Organization of 69th National Course on Educational Science for Teachers of Health Professionals, March 2014.
- vii. External evaluation of project of Community Development Medicinal Unit at Bhubaneswar, Odisha from June 26th to 29th, 2013.

Dr. Z. Zayapragassarazan

- i. Life Member of the Telemedicine Society of India.
- ii. Life Members of South East Asian Regional Association for Medical Education (SEARAME).
- iii. Life Member of Pondicherry Science Forum.
- iv. Member of the Committee for the selection of nomination for National Award for teachers for use of ICT in Education under "ICT in schools", Department of Education, Government of Puducherry.
- v. Resource person for State Training Centre, Department of Education, Government of Pondicherry.
- vi. Resource Person for Indira Gandhi National Open University (IGNOU) Distance Education Programme (Pondicherry Centre).
- vii. Resource Person for UGC—Academic Staff College, Kannur University.

ADMINISTRATIVE, EDUCATIONAL, RESEARCH AND OTHER ASSIGNMENTS***Dr. Gitanjali Batmanabane***

- i. Member of the World Health Organization's expert committee for selection and use of essential medicines. Meeting at WHO headquarters at Geneva from April 8th to 12th, 2013.
- ii. Temporary Advisor to WHO for Regional Consultation on use of Essential Medicines from 22nd to 26th April, 2013 at Bangkok, Thailand.
- iii. National Consultation on Ethics Guidelines conducted by ICMR and WHO from October 28th to 29th, 2013 held at New Delhi.
- iv. Conclave on Community and Family Medicine with Six new AIIMS conducted by the Ministry of Health, Govt. of India at National Institute of Family Welfare, New Delhi from December 18th and 19th, 2013.

Dr. Z. Zayapragassarazan

- i. Jt. Coordinator for the preparation of JIPMER Annual Report.
- ii. Jt. Coordinator for the preparation of JIPMER Input for Ministry's Annual Report.
- iii. Jt. Coordinator for the preparation of Results Framework Document of JIPMER and Performance Evaluation of Results Framework Document of JIPMER.
- iv. Officer-in-charge of stores of the Medical Education Department.
- v. Coordinated with the Head of the Department in planning, organizing, administration and expediting all the programmes organized in the Department of Medical Education.
- vi. Member and resource person for JIPMER Quality Council (JQC) Workshop on Patient Safety November 2013.
- vii. Member of JIPMER Counselling Committee.

SIGNIFICANT EVENTS IN THE DEPARTMENT

- i. A selflearning Tamil language learning manual "Tamil for Medicos" was prepared by the Department of Medical Education as Mrs. Kalpana Sampath, Nursing Sister as the Chief Contributor was released by Dr. T.S. Ravikumar, Director, JIPMER in the Director's Chamber on April 27, 2013.
- ii. Dr. Gitanjali Batmanabane took charge of the Head of the Department of Medical Education on July 01, 2013.
- iii. 'Teachers Day' celebration was organized by the Department of Medical Education on behalf of JIPMER on September 05, 2013 in the Mini Auditorium of JIPMER Academic Centre at 3 PM. Six Senior retired faculty members of JIPMER were honoured during the celebration.
- iv. The upgraded NTTC Hall 1 and 2 were inaugurated by Dr. T.S. Ravikumar on September 12, 2013 during the inaugural function of 67th National Course on Educational Science for Teachers of Health Professionals held between on September 12 to 21, 2013.
- v. Dr. Sethuraman KR, Vice Chancellor, Sri Balaji Vidyapeeth University visited the Department of Medical Education as a guest faculty on 14.09.2013 and chaired a session on "Problemistics and Problem Centered Learning (PCL)" in the 67th National Course on Educational Science for Teachers of Health Professionals held from September 12 to 21, 2013.
- vi. Eight new mannequins and simulators were added to the Skills Lab on December 05, 2013.
- vii. Dr. N. Ananthakrishnan, Professor of General Surgery, Mahatma Gandhi Medical College and Research Institute, Puducherry visited the Department of Medical Education as a guest faculty on 13.03.2014 and chaired a session on "MCI Regulations on Graduate Medical Education— An appraisal" in the 69th National Course on Educational Science for Teachers of Health Professionals held from March 06 to 15th, 2014.
- viii. NTTC Hall 1 and NTTC Hall 2 were air-conditioned and equipped with audio-visual equipments and public addressing systems conducive for holding large and small group discussions.
- ix. NTTC Hall-2 was converted into Skills Lab where psychomotor skills demonstration and training are carried out using simulators and mannequins.
- x. The following simulators and mannequins were added to the skills lab:
 - a. BLS Adult Mannequin-1
 - b. BLS advanced—Adult Mannequin-1
 - c. Adult difficult Airway trainer-1
 - d. Lumbar Puncture Simulator-1
 - e. Advanced Life Support System Simulator-1
 - f. Normal Airway Trainer-1
 - g. Rectal examination trainer surgery-1
 - h. Basic surgery skill trainer-1
 - i. Male upper body dummy/men torso mannequin-1
 - j. Adult CPR mannequin-1

Medical Gastroenterology

FACULTY LIST

- | | | |
|-----------------------------------|---|------------------|
| 1. PROFESSOR AND HEAD (in charge) | : | Abdoul Hamide |
| 2. ASSISTANT PROFESSOR | : | Pazhanivel Mohan |

BACKGROUND INFORMATION OF THE DEPARTMENT

The Department of Medical Gastroenterology has been functional since March 2010 with two full time faculty members. The two Assistant Professors, Dr. Lakshmi CP and Dr. Amit Goel resigned their jobs and were relieved of their duties in June 2013. Dr. Abdoul Hamide took over charge as Head of the Department from 1st July 2013 and was maintaining the departmental services. Dr. Pazhanivel Mohan joined the department as an Assistant Professor on January 20, 2014. The department provides outpatient and in-patient services and endoscopy services both diagnostic and therapeutic.

Bed strength:16

EDUCATIONAL COURSES

Currently involved in academic sessions related to Gastroenterology for MD General Medicine students and MBBS students (modular teaching sessions). The department does not have a DM teaching programme as of now.

CONTINUING MEDICAL EDUCATION PROGRAMS

NIL

RESEARCH PROJECTS

Dr. Lakshmi CP

S. No.	Name of the Principal Investigator	Title of the Project	Duration of the Project	Funding Agency and Total Funds Sanctioned	Collaborating Departments	Status
1.	Dr. Lakshmi CP	Cytokine profile in pancreatic ductal fluid in Indian patients with chronic pancreatitis	2 years	JIPMER Intramural fund ₹1,00,000/-	Surgical gastroenterology and biochemistry	Completed

Dr. Amit Goel

S. No.	Name of the Principal Investigator	Title of the Project	Duration of the Project	Funding Agency and Total Funds Sanctioned	Collaborating Departments	Status
1.	Dr.Amit Goel	A Prospective study of clinical profile of Plummer Vinson Syndrome (PVS) and response to endoscopic dilatation	2 years	JIPMER Intramural fund ₹1,00,850/-		Completed
2.	Dr.Amit Goel	Translation and validation of chronic liver disease questionnaire (CLDQ) in Tamil language	2 years	JIPMER	Psychiatry	Completed

Dr. Abdoul Hamide

Prevalence and Knowledge status of *Hepatitis-B infection* among adolescent students of Pondicherry.

Dr. Lakshmi CP

- i. Co investigator to the project “Bacterial profile of pancreatic ductal fluid in patients with chronic calcific pancreatitis undergoing lateral pancreaticojejunostomy”, collaborating with the departments of Surgical Gastroenterology and Microbiology
- ii. Coinvestigator to the project titled “Sensitivity and specificity of qualitative and quantitative Tc 99 sulphur colloid scintigraphy in differentiating cirrhosis from non-cirrhotic portal fibrosis”, collaborating with the departments of Surgical Gastroenterology and Nuclear Medicine.
- iii. Co-investigator to the project titled “Argon plasma coagulation versus steroid sucralfate retention enema as primary therapy for chronic radiation proctitis-a prospective randomized controlled trial” collaborating with the departments of Radiotherapy and Surgery.
- iv. Co investigator for the project titled “Prevalence of restless legs syndrome in cirrhosis” collaborating with the department of Neurology.
- v. Co investigator for the project titled “A Prospective study of clinical profile of Plummer Vinson Syndrome (PVS) and Response to Endoscopic Dilatation”
- vi. Co investigator for the project titled “Translation and validation of chronic liver disease questionnaire (CLDQ) in Tamil language “, collaborating with the department of Psychiatry.

Dr. Amit Goel

- i. Co-investigator in the project “Cytokine profile in pancreatic ductal fluid in Indian patients with chronic pancreatitis”- (Collaborating with the department of Surgical Gastroenterology and Biochemistry)
- ii. Co investigator to the project “Bacterial profile of pancreatic ductal fluid in patients with chronic calcific pancreatitis undergoing lateral pancreaticojejunostomy”, collaborating with the departments of Surgical Gastroenterology and Microbiology
- iii. Co-investigator to the project titled “Sensitivity and specificity of qualitative and quantitative Tc 99 sulphur colloid scintigraphy in differentiating cirrhosis from non cirrhotic portal fibrosis”, collaborating with the departments of Surgical Gastroenterology and Nuclear Medicine.

Medical Gastroenterology

- iv. Co investigator for the project titled “Prevalence of restless legs syndrome in cirrhosis” approved by JIPMER Scientific advisory committee, collaborating with the department of Neurology.

PUBLICATIONS PAPERS PUBLISHED

Dr. Lakshmi CP and Dr. Amit Goel

1. Lakshmi CP, Goel A, Basu D. Cholestatic presentation of yellow phosphorus poisoning. *J. Pharmacol. Pharmacother.* 2014 Jan;5(1):67–69.
2. Lakshmi CP, Vijayahari R, Kate V, Ananthakrishnan N. A hospital-based epidemiological study of corrosive alimentary injuries with particular reference to the Indian experience. *Natl. Med. J. India.* 2013 Jan–Feb;26(1):31–36.

Dr. Abdoul Hamide

1. Soundaravally R, Pukazhvandthen P, Zachariah B, Hamide A. Plasma ferritin and indices of oxidative stress in *Helicobacter pylori* infection among school children. *J Pediatr Gastroenterol Nutr.* 2013 May; 56(5):519–22.
2. Rajappa M, Tagirasa R, Nandeesh H, Hamide A, Sunder I, Ananthanarayanan PH, Vengattaraman A, Thiagarajan D, Harichandrakumar KT. Synergy of Iron, high sensitivity C-Reactive Protein and ceruloplasmin with oxidative stress in non-diabetic normo-tensive South Indian obese men. *Diabetes Metab Syndr.* 2013 Oct–Dec;7(4):214–217.

PATIENT CARE SERVICES

Clinical

OPD

OPD services on Wednesdays and Fridays in Room No 306, second floor, OPD block, SSB, with a patient attendance of an average of 90–100 patients per OPD

Endoscopy

Simple and diagnostic endoscopic services like diagnostic upper and lower GI endoscopies endoscopic variceal ligation, endoscopic sclerotherapy, simple oesophageal dilatations and feeding tube placements are being performed in OPD endoscopy Room (No 304), second floor, OPD block, SSB. The endoscopy is functional on Tuesdays, Thursdays and Saturdays from 9 AM to 4.30 PM

Endoscopic Retrograde Cholangio pancreatography is being performed regularly in the department in MGE OT 6 in OT complex SSB on Mondays.

- i. Therapeutic ERCP (Endoscopic Retrograde Cholangio pancreatography) with plastic stenting
- ii. Therapeutic ERCP with stone extraction
- iii. Therapeutic ERCP with stricture dilatation
- iv. Therapeutic ERCP with biliary metallic stenting
- v. Fluoroscopic achalasia cardia dilatation
- vi. Fluoroscopy guided oesophageal stricture dilatation
- vii. Fluoroscopy guided pyloric stricture dilatation
- viii. Fluoroscopy guided colonic dilatation
- ix. Colonoscopic decompression of intestinal pseudo obstruction
- x. Percutaneous endoscopic gastrostomy
- xi. Gastric variceal glue injection
- xii. Oesophageal metallic stenting

- xiii. Fluoroscopy guided naso-jejunal tube placement
- xiv. Endoscopic polypectomy
- xv. Post cricoid web dilatations

IPD Services

Medical Gastroenterology ward (Ward No 44 and 45, SSB) started functioning in fourth floor of SSB from August 1, 2012 with 16 beds.

AWARDS, HONOURS AND OTHER PERSONAL ACHIEVEMENTS

Dr Abdoul Hamide is nominated as Examiner by the National Board of Examinations, Member of Board of Editors of the International Journal of Pharma Medicine and Biological Science, Reviewed articles for Publication in indexed Journals such as, Indian J Pharmacology.

Dr Lakshmi CP is a peer reviewer for the following journals—The Indian Journal of Gastroenterology, Indian Pediatrics, and Journal of Pharmacology and Pharmacotherapeutics, Gastroenterology research and Practice.

Dr. Pazhanivel Mohan is a peer reviewer for the following journals—Journal of Postgraduate Medicine, World Journal of Gastroenterology, Annals of Saudi Medicine and Irish Journal of Medical Sciences.

ADMINISTRATIVE, PATIENT CARE, EDUCATIONAL, RESEARCH AND OTHER ASSIGNMENTS

Memberships of Professional Bodies

Dr Lakshmi CP

- a. Indian Society of Gastroenterology
- b. Gut club of Puducherry

Dr Amit Goel

- a. Life member of National Academy of Medical Sciences (MNAMS)
- b. Indian Academy of Pediatrics (IAP)
- c. Indian Society of Gastroenterology (ISG)

Dr. Pazhanivel Mohan

- a. Indian Society of Gastroenterology (ISG)
- b. Society of Gastrointestinal endoscopy of India (SGEI)
- c. Indian National Association for study of liver (INASL)
- d. European Society of Gastrointestinal Endoscopy (ESGE)

Dr. Abdoul Hamide

- a. Indian Society of Gastroenterology
- b. Association of Physicians of India

SIGNIFICANT EVENTS IN THE DEPARTMENT

- i. Dr Lakshmi CP and Dr Amit Goel resigned their jobs and were relieved of their duties in June 2013.
- ii. Dr. Abdoul Hamide took over charge as Head of the Department from 1st July 2013.
- iii. Dr. Pazhanivel Mohan joined the department as an Assistant Professor on January 20, 2014.

Medical Oncology

FACULTY LIST

- | | | |
|----------------------------|---|------------------|
| 1. PROFESSOR AND IN-CHARGE | : | K.S. Reddy |
| 2. ASSOCIATE PROFESSOR | : | Biswajit Dubashi |
| 3. ASSISTANT PROFESSOR | : | Smita Kayal |

BACKGROUND INFORMATION OF THE DEPARTMENT

The Department successfully performed 12 Bone Marrow Transplantation procedures (Autologous transplant) in the year 2013–2014. In the last year the average OPD attendance has increased from 90 to 120 patients per day. We have started filing system with daily progress notes in order to improve data management in our department.

The Department saw a tremendous growth in the academic activities with DM course in Medical Oncology. Innovative teaching techniques like modular teaching, seminars in drug review and molecular oncology, grand rounds in hemato oncology and solid tumours, guest lectures provide practical training to our postgraduates. Postgraduates in the department of Radiotherapy, Pharmacology and Medicine are posted on a rotation to our department.

The Department has two dedicated Medical Social Workers and infection control nurse under the IPOI project for psycho-social counseling, data entry, pediatric cancer registry and infection control.

EDUCATIONAL COURSES

Higher Speciality Courses

DM Medical Oncology – 2 Seats

Other Courses

Post-Doctoral Fellowship in Medical Oncology (1 year)—two Seats

CONFERENCES AND CMES ORGANISED BY THE DEPARTMENT

- i. Organized a puppet show and stressed the importance of compliance as a part of the Children's day celebration on November 14, 2013 at JIPMER
- ii. Organized a Regional Pediatric Oncology Conference (REPOC 2014) at JIPMER on March 8 and 9, 2014
- iii. Organized Childhood cancer awareness program (Human Chain at Pondicherry Beach) on March 16, 2014. The theme of the program was universal access to childhood cancer care
- iv. Organized a program on the importance of “low count measures and septrin prophylaxis” for paediatric cancer patients as a part of the support group “Surabhi” on May 11, 2013 at Regional Cancer Centre, JIPMER.

- v. Organized a program on the importance of “Personal hygiene and compliance issues” for paediatric cancer patients as a part of the support group “Surabhi” on July 23, 2013 at Regional Cancer Centre, JIPMER.
- vi. Organized a seminar for Nurses in Administration of Chemotherapy on January 2014 at Regional Cancer Centre, JIPMER.

CONFERENCES AND CMES ATTENDED BY FACULTY

Dr. Biswajit. D

- i. Attended a workshop on setting Question paper (long and short) organized by NTTTC at JIPMER on 7.7.2013
- ii. Attended a CME and was a panel member at “Best of ASCO 2013” at GOA on July 19, 2013
- iii. Attended a CME and was a Panel member on Monoclonal Antibodies in Head and Neck cancer organized by AROI(TNPY chapter) on August 18, 2013
- iv. Delivered a talk on blood and injection safety as a part of JQC initiative at JIPMER Scientific Society on August 13, 2013
- v. Attended a workshop on setting MCQ organized by NTTTC at JIPMER on August 11, 2013
- vi. Chaired a session at International Lymphoma meeting organized by WIA Cancer Institute, Adayar, Chennai on September 07, 2013.
- vii. Attended and delivered a talk on the “Indian Pediatric Oncology Initiative at JIPMER” during the IPOI 5th JIVDAYA annual meet organized at New Delhi on September 13, 2013
- viii. Delivered a talk on “Nanoparticles in cancer and its future” at Radiance program organized by CIPLA at Chennai on October 12, 2013
- ix. Delivered a talk on “Hodgkin Lymphoma Data of Medical Oncology, JIPMER” at Hodgkin Lymphoma workshop at Indian Cancer Congress, New Delhi on November 20, 2013.
- x. Attended and delivered a talk on debate in “Prophylactic cranial Radiotherapy in Acute Lymphoblastic Leukemia” at International ALL meeting conducted at Cancer institute, Adayar, Chennai on January 10, 2014
- xi. Attended and chaired a session on Chronic Myeloid Leukemia at Apollo Conclave meeting on 7.2.2014
- xii. Attended and moderated a session on “controversies and complication of acute leukemia” at REPOC 2014 Regional Pediatric Oncology Conference on March 3, 2014 at JIPMER
- xiii. Delivered a talk on Primary Gastro Intestinal Lymphoma at the GI Club held in Pondicherry on March 25, 2014

Dr. Smita Kayal

- i. Attended Lymphoma Update 2013 at Cancer institute, Adayar, Chennai on September 7, 2013
- ii. Attended and was a panel member for Hematology CME, JIPMER on September 14, 2013
- iii. Attended the 2nd TNPOG meeting at Cancer Institute (CIA), Chennai, and delivered a talk on—‘Management of chemotherapy induced nausea and vomiting in children’ on October 26, 2013.
- iv. Attended and delivered a talk on ‘Targeted therapy in Ovarian Cancer’ at AGOICON 2013, JIPMER on November 10, 2013
- v. Presented a talk on ‘Chemotherapy safety and administration’ at the CNE, AGOICCON, JIPMER on November 8th, 2013
- vi. Attended the Indian Cancer Congress, New Delhi on November 23, 2013
- vii. Attended the International ALL meet at Cancer Institute, Adayar, on January 11, 2014
- viii. Attended a CME organized by Blood Bank JIPMER and was a panel member for ‘near miss and never events - case based discussion’ on January 18, 2014
- ix. Attended and delivered a talk on ‘treatment of neuroblastoma’ at the Regional Pediatric Oncology Conference (REPOC 2014), JIPMER on March 8, 2014

Research Projects

S. No.	Name of Principal Investigator	Title of Project	Duration of Project (From to...)	Funding agency and Total Funds Sanctioned	Collaborating Institutions / Departments	Status (Completed in FY 2012-13 or Ongoing)
1.	BISWAJIT	Population pharmacokinetics and pharmacogenetics of imatinib mesylate in chronic myeloid leukemia patients	2012–2015	Dept. of Science and Technology – fast track 0 Lakhs	Pharmacology, Anatomy and Pathology	Approved and ongoing
2.	BISWAJIT	Influence of genetic polymorphisms on methotrexate maintenance therapy in acute lymphoblastic leukemia patients	2012–2015	JIPMER IMF 2 lakhs	Pharmacology, Pathology	Ongoing
3.	BISWAJIT	Pharmacogenetics of methotrexate and cytarabine in childhood and early adolescent Acute Lymphoblastic Leukemia		Department of Biotechnology (DBT)	Pharmacology	Applied (cleared by the internal screening committee)
4.	BISWAJIT	Study of Clinico-pathological prognostic factors in peripheral T cell Lymphomas from South India	2010–2013	JIPMER IMF 2 lakhs	Pathology and Biochemistry	Completed (under analysis)
5.	BISWAJIT	Single arm descriptive analysis of neoadjuvant Docetaxel and carboplatin in triple negative breast cancer population	2011–2014	Nil	Surgery and Pathology	Ongoing
6.	BISWAJIT	International pediatric oncology initiative project	2011–2014	Jivdaya foundation, Texas, USA 12 lakhs		Ongoing
7.	Smita Kayal	Comparison of the efficacy of olanzapine, metoclopramide and domperidone for chemotherapy induced breakthrough nausea and vomiting	2014 – 2015	JIPMER IMF 50,000		Ethical Committee approval pending

PUBLICATIONS

Journals

1. Ramasamy C, Dubashi B, Sree Rekha J, Basu D, Jain A, Dutta TK. A typical mycobacterial infection in hairy cell leukemia treated with cladribine. *Ind. J Hematol. Blood. Transfus.* 2014 Mar;30(1):59–61.
2. Biswajit D. Late effect clinic – An integral part of childhood cancer treatment. *J. Young. Pharm.* 2013 Dec;5(4):111.
3. Joseph D, Biswajit D, Ganesh RN, Parameswaran S, Jain A. Paediatric T cell Lymphoma with Nephrotic Syndrome: A Rare Association. *Ind. J. Hematol. Blood. Transfus.* 2014 Mar;30(1):45–47.
4. Ramasamy C, Dubashi B, Rekha JS, Basu D, Jain A, Dutta TK. Hairy cell leukemia masquerading as infective endocarditis. *Ind. J. Hematol. Blood. Transfus.* 2013 Jun;29(2):84–86.
5. Kodidela S, Suresh Chandra P, Dubashi B. Pharmacogenetics of methotrexate in acute lymphoblastic leukaemia: why still at the bench level? *Eur. J. Clin. Pharmacol.* 2014 Mar;70(3):253–260.
6. Jinkala SR, Basu D, Mathath D, Dubashi B, Bhaumik A. A Rare Case Congenital Ewing Sarcoma/PNET of the Scapula. *J. Pediatr. Hematol. Oncol.* 2014 Mar;36(2):e134–135.
7. Sharma A, Kayal S, Iqbal S, Malik PS, Raina V. Comparison of BEAM vs. LEAM regimen in autologous transplant for lymphoma at AIIMS. *SpringerPlus* 2013, 2:489
8. Kayal S, Sharma A, Iqbal S, Tejomurtula T, Cyriac SL, Raina V. High-Dose Chemotherapy and Autologous Stem Cell Transplantation in Multiple Myeloma: A Single Institution Experience at All India Institute of Medical Sciences, New Delhi, Using Non-Cryopreserved Peripheral Blood Stem Cells. *Clin Lymphoma Myeloma Leukemia.* 2014 Apr; 14(2):140–147.
9. Kayal S, Mathur S, Karak AK, Kumar L, Sharma A, Bakhshi S, Raina V. CD68 tumor-associated macrophage marker is not prognostic of clinical outcome in classical Hodgkin lymphoma. *Leuk Lymphoma.* 2014 Mar 10. [Epub ahead of print] (doi:10.3109/10428194.2013.824079)

Books

1. JIPMER Chemotherapy Protocol Book Edited by Dr. BISWAJIT and Dr. Ankit Jain, published by Department of Medical Oncology, 2012, Puducherry

PATIENT CARE SERVICES

The Department runs OPD, Minor OT Procedures and Day Care Services from Monday to Saturday. OPD Services and Tumour Clinic:

➤ Time: 9 AM onwards

Day	OPD (9 AM Onwards)	Tumor Clinic (2.30 PM Onwards)
Monday	Transplant clinic	Surgery
Tuesday	General oncology	Head and neck
Wednesday	General oncology	Gynaec oncology
Thursday	General oncology	Thoracic oncology clinic (1st and 3rd Week), Oncoradiology meeting(4th week)
Friday	General oncology	Oncopath clinic (1st and 3rd week), Ortho Tumor clinic (2nd and 4th week)
Saturday	General oncology	

The Bone Marrow Transplant Program started functioning from January 2013. It is well equipped with state of the art equipment like Laminar hood for sterile chemotherapy preparation, Deep freezer –80C°) for stem cell storage. The transplant room is provided with laminar flow and HEPA filters.

Medical Oncology

The Department of Medical Oncology with the help of Social Workers has formed a Support group named "SURABHI" - which provides support to the Pediatric Cancer survivors and to the pediatric cancer patients. It acts as a bridge among them and facilitates the activities. The Support group conducts regular meetings every 2 months and organizes activities regularly for children with cancer. Apart from the regular awareness programs, the support group extends more help to the kids in aspects of Blood, Nutrition and frequent birthday celebration of the children admitted in RCC ward. The Social Workers conduct thrice a week activities in the day clinic which includes story-telling and reading books, group meeting with parents of the cancer kids, art activities and movie screening. The Social Workers also raise funds for drugs and investigations when necessary from NGOs, Clubs, volunteer's and through RAN fund. We have also started a wish list for children with cancer.

STATISTICS

Statistics for the year 2013-2014	Nos
OPD attendance (new)	1,378
OPD attendance (old)	23,551
Support group clinic attendance	739
Inpatient admissions	1,198
Chemotherapy delivered	15,304
Bone-marrow biopsy	331
Intrathecal chemotherapy	136
Central venous catheter	128
Bone marrow transplantation	12

The total number of patients receiving treatment in the Department of Medical Oncology from April'13 to March'14 is 659

S. No.	Diagnosis	Adults	Pediatrics
1.	Acute lymphoblastic leukemia	11	40
2.	Acute myeloid leukemia	6	7
3.	Breast	144	0
4.	Colorectal	46	0
5.	Chronic lymphocytic leukemia	2	0
6.	Chronic myeloid leukemia	30	1
7.	Gastric	60	0
8.	Hodgkin lymphoma	23	15
9.	Non hodgkin lymphoma	41	7
10.	Lung	46	0
11.	Multiple myeloma	12	0
12.	Ovary	45	6
13.	Neuroblastoma	0	4
14.	Soft tissue and bone sarcoma	4	24
15.	Brain tumours	0	11
16.	Renal cell carcinoma	10	0
17.	Hepatobiliary and pancreatic cancer	10	0
15.	Others	35	19
	TOTAL	525	134

AWARDS, HONOURS AND OTHER PERSONAL ACHIEVEMENTS

Dr. Biswajit. D

- i. International Chronic Myeloid Leukemia Foundation (ICMLF) Travelling Fellowship was awarded the Preceptorship program in CML through the ICMLF from May 17 to June 10, 2013 at Royal Adelaide Hospital, Adelaide, Australia

Membership

Membership of Professional Bodies

- i. Member of European Association of Cancer Research
- ii. Member of European Society of Medical Oncology
- iii. Life member of Indian Co-operative Oncology network (ICON)
- iv. Life member of Indian Cancer Society
- v. Life member of Indian association of Palliative care
- vi. Member of American society of hematology
- vii. Member of International Gynaecology cancer society

Reviewer and Editorial Member for the Following Journals

- i. Indian journal of cancer
- ii. Journal of cancer Research and Therapeutics
- iii. Journal of Pharmacology and Pharmacotherapeutics
- iv. Journal of solid tumours
- v. Cancer and clinical oncology
- vi. Journal of pediatric hemato oncology
- vii. Jipmer journal of oncology

Dr. Smita Kayal

Membership of Professional Bodies

- i. Member of European Society of Medical Oncology.
- ii. Life member of Indian Society of Medical and Pediatric Oncology (ISMPO).
- iii. Life member of Society of Medical Oncologist of India (SOMOI)

REVIEWER AND EDITORIAL MEMBER FOR THE FOLLOWING JOURNALS

- i. Indian Journal of Pediatrics

ADMINISTRATIVE, PATIENT CARE, EDUCATIONAL, RESEARCH AND OTHER ASSIGNMENTS

Dr. Biswajit

Memberships in Official Committees

- i. DGCI Member- Expert in regulation and approval of newer drugs and clinical trials in the field of Hemato-Oncology.
- ii. Group leader and Member for Blood and Injection, JIPMER Quality Council, Puducherry
- iii. Member- Essential drug list committee

Medical Oncology

Administrative Membership and Member –Secretary Ships

- i. Member- Oxygen purchase
- ii. Member- Consumable purchase
- iii. Member- Equipment Purchase

Examinerships

Fellowship in Medical Oncology

Dr. Smita Kayal

- i. Course coordinator, for Department of Medical Oncology, for the Diploma in Nursing Oncology course 2014

SIGNIFICANT EVENTS IN THE DEPARTMENT

Visiting Professor

- i. Dr. Sameer Bakshi, Additional Professor, Dept. of Medical Oncology, AIIMS, New Delhi visited the department and interacted with the postgraduates from March 8th to 10th, 2014
- ii. Upgradation of patient care- Bone marrow Transplantation Facility



Trip to Botanical Garden children with cancer



Christmas celebration – children with childhood cancer

Medicine

FACULTY LIST

- | | | |
|---|---|---|
| 1. SENIOR PROFESSOR
& HEAD AND
FACULTY (ADMINISTRATION) | : | R.P. Swaminathan |
| 2. SENIOR PROFESSORS | : | i. A.K. Das
ii. T.K. Dutta |
| 3. PROFESSORS | : | i. Abdoul Hamide
ii. D.K.S. Subrahmanyam |
| 4. ADDITIONAL PROFESSOR | : | M.Vivekanandan |
| 5. ASSOCIATE PROFESSORS | : | i. Tamilarasu Kadhiravan
ii. B.S. Suryanarayana
iii. Mukta Wyawahare
iv. Jyoti Wadhwa
v. K.V. Vinod
vi. Chanaveerappa Bammigatti |
| 6. ASSISTANT PROFESSORS | : | i. Molly Mary Thabah
ii. M. Vadivelan
iii. S. Deepanjali
iv. Deepak Amalnath
v. Srinivas Rajagopalan |

BACKGROUND INFORMATION OF THE DEPARTMENT

The Department of Medicine has been the backbone of both the hospital as well as the medical college since the inception of the Institute. It is headed by Professor. R.P.Swaminathan, who has been part of the Medicine family since 1983. The department runs daily general medicine OPD as well as several speciality OPD clinics (Diabetes, Hypertension, Geriatrics, Haematology, HIV, Respiratory Medicine). A 16 bedded ICU has been functioning from 2011 and an 8 bedded HDU has started functioning since March 2014.

A vigorous teaching programme is in place for undergraduates and post graduates. Post-graduate teaching focuses not only on imparting clinical skills and theoretical knowledge but also on providing hands-on experience in managing a variety of complex and critical cases under the close supervision of the faculty. In addition, the post graduates also gain research skills and skills for critical appraisal of journal articles and other published literature. The aim is to create expert clinicians who will promote research and evidence based medicine.

EDUCATIONAL COURSES

- i. **Undergraduate Courses**
 - a. MBBS course
- ii. **Postgraduate Courses**
 - a. M.D. (General Medicine)
- iii. **Higher Specialty Courses**
 - a. D.M in Clinical Hematology
- iv. **Other Courses**
 - a. (Fellowship in Diabetology (1 year course)
 - b. Emergency Medical Technician Certificate Course

CONFERENCES AND CMES ORGANIZED BY THE DEPARTMENT

- i. A 2-day CME, “**Hematology CME 2013**”, was organized by the Heamotology Division of Department of Medicine on September 14th and 15th, 2013. Faculty from across the country shared their expertise.
- ii. A 2-day CME “**Clinical Medicine Update**” consisting of PG clinical case discussions and quiz was conducted by the Department of Medicine, under the auspices of Indian College of Physicians on February 7th and 8th, 2014 at JIPMER. Ten leading clinicians, including invited faculty, chaired the sessions. Seventy seven post-graduate students in medicine from various post graduate medical institutions in and around Puducherry took part.

CONFERENCES AND CMES ATTENDED BY FACULTY

Dr.R.P.Swaminathan

- i. Delivered a lecture on antibiotic resistance in a CME conducted by Sri Venkateswara Medical College, Puducherry
- ii. Delivered a talk on cancer prevention in All India Radio, Puducherry
- iii. Organized “**Clinical Medicine Update**” a 2 day CME for post graduates

Dr. T.K. Dutta

- i. Organized a 2-day CME “Hematology CME 2013”, on September 14th and 15th, of 2013.
- ii. Attended Annual Conference of Association of Physicians of India (APICON 2014) at Ludhiana in January 2014
- iii. Attended Annual Conference of Indian Society of Hematology and Blood Transfusion (ISHBT) at Mumbai in November 2013

Dr. Abdoul Hamide

- i. Gave a lecture on Guidelines on Anti-Retroviral Therapy in the CME on “Issues in HIV”, held at JIPMER, Jan 2014.
- ii. Gave a lecture on HIV- Post-Exposure Prophylaxis for Health Care Providers in the CME for Medical Officers in the Govt. Hospital for Chest Diseases, Puducherry, on January 27th, 2014.
- iii. Attended the UCSC Genome Browser workshop conducted on November 28th, 2013 at JIPMER, Puducherry.
- iv. Presented a paper titled “Effect of Anti-Retroviral Therapy on mucocutaneous manifestations among HIV infected patients in a tertiary care centre in India” in the Second International Conference on HIV and Infectious Diseases (HIV Science 2014) at YRG care, Chennai on February 1st, 2014

Dr. D.K.S. Subrahmanyam

- i. Attended Haematology CME at JIPMER, on September 14th and 15th, 2013 as a delegate.
- ii. Served as Chairperson at 28th annual conference of the Indian Psychiatric Society—Tamil Nadu branch, TANPSYCON 2013, on June 30th, 2013.
- iii. Served as Chairperson, Hypertension CME, on September 24th, 2013, at JIPMER
- iv. Attended 2nd World Congress on Geriatrics and Gerontology, Bangalore, JN Tata auditorium, on September 30th and October 1st, 2013.
- v. Served as a resource person for Clinical Medicine Update, JIPMER on 7.2.14 and 8.2.14.

Dr.M.Vivekanandan

- i. Attended the meeting of the “Signal Review Panel” of the “Pharmacovigilance Programme of India” on March 21st and 22nd, 2014.
- ii. Attended JIPMER nephrology update—2013: Hypertension on September 24th, 2013
- iii. Conducted CME on ECG on 7th July 2013 at Indira Gandhi Medical College and Research Institute, Puducherry.
- iv. Delivered a lecture on “Approach to a patient with Syncope” in the CME on ECG conducted by Indira Gandhi Medical College Research Institute, Puducherry on July 7th, 2013.
- v. Delivered a lecture on “Clinical features and diagnosis of Rabies” in the CME on Rabies at Indira Gandhi Medical College and Research Institute, Puducherry on World Rabies Day
- vi. Delivered a lecture in the CME on “Antimicrobals—testing to therapy” at Indira Gandhi Medical College and Research Institute, Puducherry.
- vii. Delivered a lecture on “Post Exposure Prophylaxis in HIV” in the CME on HIV conducted by Pondicherry AIDS Control Society at Indira Gandhi Medical College and Research Institute, Puducherry.
- viii. Attended the RNTCP South Zone 2 workshop held in Puducherry in September 2013
- ix. Attended CME on Diabetes (Golden Jubilee JIPMER CME) organized by the Department of Endocrinology, JIPMER on 09/08/2013.
- x. Delivered a lecture on Dengue and Scrub Typhus in a CME organised by National Vector Borne Diseases Control Program, Puducherry.

Dr. T. Kadhiravan

- i. Conducted a pre-conference workshop on “Systematic Reviews and Meta-analysis” at the 11th South-East Asia Regional Scientific Meet of the International Epidemiological Association held at Manipal College of Medical Sciences, Pokhara, Nepal, officially representing the South Asian Cochrane Network and Centre (September 26, 2013)
- ii. Attended the International Conference on Insights and Management of COPD (ICONIC 2014) organized by the Chest Research Foundation and the Johns Hopkins Bloomberg School of Public Health at Pune on February 1 to 2, 2014.

Dr. Mukta Wyawahare

- i. Participated as a delegate in ISEMT 2014 (International Summit On Emergency Medicine and Trauma) held at JIPMER, Puducherry, February 14 to 16, 2014
- ii. Participated as a delegate in ACLS WORKSHOP (February 12 to 13, 2014), held at JIPMER, Puducherry on February 12 to 13, 2014.
- iii. Participated as a delegate in Fourth Short Course on Basic Epidemiology, held at JIPMER, Puducherry, November 4th to 8th, 2013.
- iv. Attended workshop on question paper setting held at JIPMER, Puducherry, on July 7th, 2013

Dr. Jyoti Wadhwa

- i. Delivered lectures on “Universal work precautions and post-exposure prophylaxis” in Intern Orientation Program in July, 2013 and January, 2014 in JIPMER.
- ii. Participated in 67th National course on educational science for teachers of health professionals held at JIPMER from 12/09/2013 to 21/09/2013.
- iii. Attended Nephrology Update on Hypertension on 24/09/2013 in JIPMER
- iv. Attended “World Conference of Infectious Diseases (WCID)” in Chennai, from 18th-22nd December 2013.
- v. Delivered a lecture on “Post Exposure Prophylaxis” for Nurses in CME on “Universal Work Precautions and Post-Exposure Prophylaxis” organised by NACO on December 6th, 2013 in SSB, JIPMER.
- vi. Delivered a guest lecture on “Post Exposure Prophylaxis” in HIV CME organised by NACO and Department of Microbiology on 24th Jan 2014.
- vii. Underwent training in “Critical Care Ultrasound Course” in workshop held in JIPMER on February 13th, 2014.
- viii. Attended conference on “International Summit on Emergency Medicine and Trauma (ISEMT)” at JIPMER from February 14th to 16th, 2014.

Dr. Vinod. K. V.

- i. Organized a CME programme on Hematology on September, 14th and 15th, 2013 [was the treasurer for the CME programme]
- ii. Chaired a session involving discussion on interesting cases in hematology on 15th September 2013 in Hemat-CME 2013 at JIPMER, Pondicherry
- iii. Attended ISEMT-2014 [International Summit on Emergency Medicine and Trauma 2014] from February 14th to 16th, 2014 at JIPMER, Pondicherry.

Dr. Chanaveerapa Bamamigatti

- i. Participated in the workshop on “Question Paper Setting” conducted by Department of Medical Education on July 7th, 2013 at JIPMER
- ii. Participated in “Hematology CME 2013” conducted by Department of Medicine JIPMER on September 14th, and 15th, 2013
- iii. Participated in “Monothematic Workshop on Brain Death” organized by the Working Group on Organ Donation, Puducherry and MOHAN foundation, Chennai on September 21st, 2013 at JIPMER.
- iv. Participated as a chair person in “JIPMER Nephrology Update—2013: Hypertension” conducted by department of Nephrology, JIPMER on September 24th, 2013
- v. Attended “4th Short course on Basic Epidemiology” conducted by Department of Preventive and Social Medicine, JIPMER from November 4th to 8th, 2013
- vi. Participated in “American Heart Association accredited BLS and ACLS Provider Course” organized by MGMCRI, Puducherry from November 27th to 29th, 2013 and successfully cleared the test.
- vii. Presented a paper titled “Pattern and Outcomes of Cleistanthus collinus (Oduvanthalai) poisoning at a tertiary care teaching hospital in South India” at APICON—2014 held at Ludhiana in February 2014
- viii. Participated in MedEqSafe—India, 2014 (Raising awareness regarding medical equipment safety workshop) conducted at JIPMER on February 24th, 2014

Dr. Molly Mary Thabah

- i. Participated as faculty and delivered a lecture on “Viscosupplementation” at the Midterm meeting of the Indian Rheumatology Association held on 27/07/2013 at AMC centre and College Lucknow.

- ii. Participated as a delegate at the Asian Pacific League of Association for Rheumatology (APLAR) Symposium from 28/08/2013 to 03/09/2013 held at Bali, Indonesia
- iii. Participated as faculty and delivered a talk on “Therapeutic Challenges” at the 29th annual conference of the Indian Rheumatology Association (IRACON) held from 01/12/2013 to 05/12/2013 at Kolkata
- iv. Participated as a faculty and delivered a talk on “Spondyloarthropathies: Pearls for diagnosis in a busy medical OPD” at the annual conference of Association of Physicians of India (APICON) held on 19/02/2014 to 23/03/2014 at Ludhiana Punjab

Dr. M. Vadivelan

- i. Attended the 5th National Annual Conference on Emergency Medicine and Critical Care organized by New Medical Centre at JIPMER Auditorium, Puducherry on September 07th and 08th, 2013.
- ii. Attended the 2nd International Conference on “Healthy Ageing in the Changing World 2013”- World Congress of Gerontology and Geriatrics organized by Biogenesis-The Euro-Indian Health Cluster (UK) and Federation of Asian Biotech Associations (FABA), Hyderabad at J.N.Tata Auditorium, Indian Institute of Sciences, Bengaluru on September 30th and October 01st, 2013.
- iii. Co-author of the lecture delivered on “Unusual manifestations of Malaria” at World Conference on Infectious Diseases-2013 at Chennai Trade Convention Centre, Chennai on December 19th, 2013.
- iv. Attended the International Clinical Update Program in Endocrinology organized by the Endocrine Society of India (ESI), International Society of Endocrinology (ISE), Society for Endocrinology (UK) and the Endocrine Society (USA) at Hyderabad on February 01st and 02nd, 2014.
- v. Attended CME on Lung Cancers organized by Regional Cancer Centre, JIPMER at JIPMER Academic Centre on March 27th, 2013.
- vi. Attended CME on Diabetes (Golden Jubilee JIPMER CME) organized by the Department of Endocrinology, JIPMER on August 09th, 2013.
- vii. Attended CME Programme on “Update in Sepsis” organized by the Department of Microbiology, JIPMER on September 12th, 2013.
- viii. Attended CME on Haematology organized by the Departments of Medicine, Medical Oncology and Pathology, JIPMER on September 14th and,15th, 2013.
- ix. Attended the 4th short course on Basics of Epidemiology and Biostatistics and 3rd short course on Research Methodology organized by the Department of Community Medicine at Indira Gandhi Medical College and Research Institute (IGMC and RI), Puducherry from November 16th to 19th, 2013
- x. Attended CME Programme on “Issues in HIV” organized by the Department of Microbiology, JIPMER and Pondicherry AIDS Control Society on January 24th, 2014.

Dr. Deepanjali Surendran

- i. Attended the International Summit on Emergency Medicine and Trauma (ISEMT 2014) organized by JIPMER at Puducherry on February 14th to 16th, 2014
- ii. Successfully completed HMS214x: Fundamentals of Clinical Trials, a 11-week on-line course of study offered by the Harvard University (October 14, 2013 to February 15, 2014)

Dr. Deepak Amalnath

- i. Participated in the 68th National Course on Educational Sciences for Teachers of Health Professionals held in JIPMER

Dr. Srinivas Rajagopalan

- i. ICONIC-2014 at Pune, 2014-An International conference on COPD between January 31st and February 2nd, 2014.

Medicine

- ii. Interventional Pulmonology Conference at Narayana Hrudalaya on February 13th, 2014.
- iii. Attended Departmental CME on Clinical Examination in February 2014.
- iv. One of the 24 Experts participating in a Delphi Conference on Criteria for Infection-associated Hemophagocytic syndrome-Published PLoSOne April, 2014.

Research Projects

S. No.	Name of Principal Investigator	Title of Project	Duration of Project (From... To...)	Funding Agency and Total Funds Sanctioned	Collaborating Institutions/ Departments	Status (completed in FY 2013-2014 or ongoing)
1.	Dr. R.P. Swaminathan	Diabetes registry		ICMR		Ongoing
2.	Dr. DKS. Subrahmanyam	Limulus amoebocyte assay as a diagnostic aid in sepsis	January 2013 to 2014	JIPMER Intramural Research grant; ₹1.5 lakh	Microbiology	Ongoing
3.	Dr. Tamilarasu Kadhiravan	A prospective evaluation of an algorithm for the early diagnosis of tubercular meningitis	March 2011 February 2014	JIPMER Intramural research grant; ₹ 1.4 lakhs	Department of Microbiology	Ongoing
4.	Dr. Suryanarayana B.S.	Study of rickettsial infections among inpatients of JIPMER	March 2012 to March 2013	JIPMER Intramural fund 1 lakh rupees	Department of Microbiology and Department of Medicine	Ongoing
5.	Dr. Mukta Wyawahare	Distribution of ACE gene polymorphism and its association with severity of nephropathy in Type 2 diabetic individuals in a tertiary care center in South India	2011-2013	Intramural 1.5 lakh rupees only	Pharmacology	Ongoing
6.	Dr. Jyoti Wadhwa	Patient perception on bedside teaching for undergraduate medical students	Yet to begin	Nil	Nil	Due for ethical clearance
7.	Dr. Vinod KV	“Assessment of vitamin B ₁₂ status in patients of type 2 diabetes mellitus on long term metformin therapy”	3 years 2013-2015	JIPMER intramural research fund	Nil	Ongoing
8.	Dr. Chanaveerappa Bammigatti	Assessment of cardiovascular risk factors among young doctors of a tertiary care teaching hospital	1 year	Intramural 2 lakhs Granted	Biochemistry	Ongoing

9.	Thabah Molly Mary	Spectrum of acute kidney injury in medicine ICU of a tertiary care centre in south india	April 2013 onwards	Nil	Nil	On going
10.	Dr.M.Vadivelan	Thyroid dysfunction in patients with type 2 diabetes mellitus and its association with diabetic complications	February 2014 to January 2017	JIPMER Intramural Research Grant; ₹40,000	Departments of Biochemistry and Endocrinology	Ongoing
11.	Dr Srinivas Rajagopalan	Adrenal insufficiency in acute exacerbation of bronchiectasis	July 2012 to June 2013	St. John's Medical College Hospital	St. John's, Bangalore	Completed, under review

PUBLICATIONS

Journals

1. A S Dabhi, **M Vadivelan**, Jigar Modia. A study of 60 cases of Chronic Daily Headache. Journal, Ind Acad Clin Med 2013;14:119–122.
2. A S Dabhi, **M Vadivelan**, S R Rathava. Glucose tolerance in non-diabetic patients after first attack of Acute Myocardial Infarction and its outcome. Ind J Clin Pract 2013; 24:226–9.
3. **Amalnath DS, Dutta TK**. Hypokalemic paralysis as the presenting manifestation of diabetes in two patients. Ind J Endocr Metab 2013; 17:1127–1128
4. **Amalnath S D**, Dubashi B. Pseudohyperphosphatemia in Waldenstrom's Macroglobulinemia. Ind J Nephrol 2013;23:465–466
5. **Amalnath S D**, Kumar S, **Deepanjali S, Dutta TK**. Balint syndrome. Ann Ind Acad Neurol 2014;17:10–11
6. **Amalnath S D, Vivekanandan M**. Sclerosteosis (Truswell-Hansen disease). Ind J Hum Genet 2013;19:270–272
7. Arivazhagan S, **Kadhiravan T**, Basu D, **Dutta TK**. Validation of the megakaryocyte fragmentation theory of finger clubbing in patients with cardiopulmonary diseases. Platelets. 2013 Aug 2.
8. **Bammigatti C, Surynarayana BS**, Harichandra Kumar KT, Ganesh Kumar S. Pattern and outcome of Cleistanthus collinus (Oduvanthalai) poisoning in a tertiary care teaching hospital in South India. J Forensic Leg Med. 2013 Nov;20(8):959–961.
9. **Deepanjali S, Swaminathan RP, Bammigatti C**, Arunkumar S, Balamurugan N, Karthikeyan B, Ramesh A. Saddle pulmonary thromboembolism. QJM. 2013 Nov 26.
10. Dr. Rakesh Naik.V., **Dr. Jyoti Wadhwa, Dr. T.K. Dutta**, Dr. S.C. Parija, Dr. Rahul. "Study of Clinical Profile and ARDS in Scrub Typhus Patients Presenting to a Tertiary Care Hospital". Abstract publication in Journal of "World Conference of Infectious Diseases".
11. **Kadhiravan T**. Did oseltamivir really improve survival in critically ill patients with influenza A (H1N1) pdm09? Clin Infect Dis 2013;56:1062.
12. **Kolar Vishwanath Vinod**, Madasamy Ponraj, Khened Swetharani, **Tarun Kumar Dutta**. Acute transverse myelitis: A rare neurological complication following wasp sting. Neurol India 2014;62:88–89
13. Kumar S, Mahesh DM, Vignesh G, Sagili H, Dhanapathi H, **Hamide A**. Congenital hypothyroidism presenting as menorrhagia in adulthood. J Assoc Phys India. 2013 Sep;61(9):660–661.
14. L P Saikumar Doradla, **M Vadivelan**. Invasive monitoring in the Intensive Care Unit. Indian Journal of Clinical Practice 2013;24:430–435.
15. **M Vadivelan**, A S Dabhi. Torsemide-A new loop diuretic. Indian Journal of Clinical Practice 2013;24:385–388.

16. **M Vadivelan, TK Dutta.** Recent advances in the management of Plasmodium knowlesi infection. *Tropical Parasitology*.2014; 4: 31–34
17. Madhugiri VS, Singh R, **Vyavahare Mukta**, Vijayahari R, Sasidharan GM, Kuma VR, Jacob S, Verma SK, Ananthakrishnan R, Yadav AK, Gundamaneni SK. Opportunistic Fonsecaea pedrosoi brain abscess in a patient with non-cirrhotic portal fibrosis-induced hypersplenism—a novel association. *Br J Neurosurg*. 2013 Oct;27(5):690–693.
18. Pal GK, Adithan C, Ananthanarayanan PH, Pal P, Nanda N, Durgadevi T, Lalitha V, Syamsunder AN, **Dutta TK.** Sympathovagal imbalance contributes to prehypertension status and cardiovascular risks attributed by insulin resistance, inflammation, dyslipidemia and oxidative stress in first degree relatives of type 2 diabetics. *PLoS One*. 2013 Nov 12;8(11):e78072.
19. Pal GK, Adithan C, Ananthanarayanan PH, Pal P, Nanda N, Durgadevi T, Lalitha V, Syamsunder AN, **Dutta TK.** Effects of Gender on Sympathovagal Imbalance, Prehypertension Status, and Cardiovascular Risks in First-Degree Relatives of Type 2 Diabetics. *Am J Hypertens*. 2014 Mar; 27(3):317–324.
20. Pal GK, Adithan C, Ananthanarayanan PH, Pal P, Nanda N, Thiyagarajan D, Syamsunderkiran AN, Lalitha V, **Dutta TK.** Association of sympathovagal imbalance with cardiovascular risks in young prehypertensives. *Am J Cardiol*. 2013;112:1757–1162
21. Rajappa M, Tagirasa R, Nandeesh H, **Hamide A**, Sundar I, Ananthanarayanan PH, Vengattaraman A, Thiyagarajan D, Harichandrakumar KT. Synergy of iron, high sensitivity C-reactive protein and ceruloplasmin with oxidative stress in non-diabetic normo-tensive South Indian obese men. *Diab Metab Syndr*. 2013 Oct–Dec; 7(4):214–217.
22. Ramasamy C, Dubashi B, Rekha JS, Basu D, Jain A, **Dutta TK.** Hairy cell leukemia masquerading as infective endocarditis. *Indian J Hematol Blood Transfus*. 2013;29:84–86.
23. Ramasamy C, Dubashi B, Sree Rekha J, Basu D, Jain A, **Dutta TK.** Atypical mycobacterial infection in hairy cell leukemia treated with cladribine. *Ind J Hematol Blood Transfus*. 2014; 30:59–61
24. Saranya V, Umamaheswaran G, **Mukta V, A K Das**, Adithan C. Allele and genotype frequency of a genetic variant in ATM gene affecting glycemic response to metformin in South Indian population. *Indian J Endocr Metab* 2013 [Epub ahead of print]
25. Sharma SK, Sharma A, **Kadhiravan T**, Tharyan P. Rifamycins (rifampicin, rifabutin and rifapentine) compared to isoniazid for preventing tuberculosis in HIV-negative people at risk of active TB. *Cochrane Database Syst Rev* 2013;7:CD007545.
26. Soundaravally R, Pukazhvandthen P, Zachariah B, **Hamide A.** Plasma ferritin and indices of oxidative stress in Helicobacter pylori infection among school children. *J Pediatr Gastroenterol Nutr*.2013 May;56(5):519–522.
27. Sreerekha J, Kar R, Sajini EJ, Siddaraju N, **Suryanarayana BS, Thabab MM**, Nandakishore M, Rakesh N. Extranodal NK/T Cell lymphoma of the jejunum complicated by hemophagocytic syndrome: practical problems encountered by a pathologist. *Ind J Hematol Blood Transfus* 2014
28. **Srinivas Rajagopalan**, Anantaraman Ramakrishnan, Ganapathi Bantwal, Uma Devaraj, George D'Souza, Smrita Swamy. Adrenal insufficiency in Indian patients with stable non-cystic fibrosis bronchiectasis. *Indian J Med Res* 2014; 139: 21–29.
29. **Srinivas Rajagopalan.** “Liberation from Mechanical Ventilation” in Respiratory Update of North-East. *RESPICON* 2014
30. **Thabab MM**, Chaturvedi V. An approach to monoarthritis. *JMGIMS* 2014; 6(1): 12-18
31. **Thabab MM**, Kumar M, Ramesh A, Subrahmanyam DKS, Elangovan S. A case of vivax malaria with splenic infarction. *J Vector Borne Dis* 2013; 50: 74–76
32. **V Mukta**, Chandragiri Susmitha, Rakhee Kar, Debdatta Basu, **A K Das**. Multicentric, Hyaline Vascular Variant of Castleman's Syndrome. *Ind J Hematol Blood Transfusion* July 2013 [Epub ahead of print]
33. Venkateswaran R, **Hamide A**, Dorairajan LN, Basu D. Reninoma: a rare cause of curable hypertension. *BMJ Case Rep*. 2013 May 15| 2013.
34. Verma Shailendra Prasad, **Hamide Abdoul, Wadhwa Jyoti**, Sivamani Kalaimani. Corticosteroid responsive prolonged thrombocytopenia in a case of dengue fever. *BMJ Case Rep*. 2013 Aug 26;2013:200249.

35. Verma SP, **Dutta TK, Mukta V**. Approach to bleeding disorder in a young female. *API Medicine Update*. 2014; 24: 754–759
36. Vignesh G, Balachandran K, Kamalanathan S, **Hamide A**. Myoedema: A clinical pointer to hypothyroid myopathy. *Indian J Endocrinol Metab*. 2013 Mar;17(2):352.
37. **Vinod KV**, Arun K, **Dutta TK**. Dapsone hypersensitivity syndrome: A rare life threatening complication of dapsone therapy. *J Pharmacol Pharmacother*. 2013; 4:158–160
38. **Vinod KV**, Dutta TK. Snakebite, dysautonomia and central nervous system signs. *Quarterly J Medicine*. 2013;106:865–866
39. **Vinod KV**, Ponraj M, Swetharani K, **Dutta TK**. Acute transverse myelitis: A rare neurological complication following wasp sting. *Neurol India*. 2014; 62:88–89.
40. **Vinod KV**, Thabab MM, Venkatesh T, Thiruvikramaprakash G, Kumar SR, **Dutta TK**. A rare cause of dural venous sinus thrombosis. *Neurol India*. 2013; 61:669-70
41. **Vinod KV**, Verma SP, Karthikeyan B, Kishore A, **Dutta TK**. Cerebral infarction leading to hemiplegia: A rare complication of acute pancreatitis. *Ind J Crit Care Med*. 2013 Sep;17(5):308–310.
42. Viswanathan S, **Muthu V**, Iqbal N, Remalayam B, George T. Scrub typhus meningitis in South India--a retrospective study. *PLoS One*. 2013 Jun 14;8(6):e66595.
43. **Wadhwa J**, Kumar R S, Ramasubramanian N S, **Hamide A**. Methemoglobinemia following ingestion of a weedicide. *J Postgrad Med*. 2013 Oct-Dec;59(4):345–356.
44. **Wadhwa Jyoti**, Ananthakrishnan Ramesh, Sadashiv Srikant, **Hamide Abdoul**. Extrapontine myelinolysis: rare manifestation of a well-known disorder. *BMJ Case Rep*. 2013 Aug 26;2013:200249.

Books

None

Book Chapters

1. **Subrahmanyam DK**. Plant Poisons. In *API Textbook of Medicine, The Association of Physicians of India, Mumbai*.
2. **Thabab MM, Vinod KV**. Use of antirheumatic drugs during lactation. In Sharma SK, Sawhney S, editors. *Rheumatic diseases in women and children, current perspectives*. 1st edition. New Delhi. Jaypee Brothers 2014, pages 62–72
3. Chaturvedi V, **Thabab MM**. Management of axial spondyloarthritis (AS)- Indian perspective. In Joshi SR, editor. *Medicine Update 2014. Volume 24, The Association of Physicians of India Mumbai 2014*, pages 401–408
4. Thabab MM. Spondyloarthritis- Pearls for diagnosis in a busy medicine OPD. In Gupta SB, editor. *Post Graduate Medicine 2014. Volume 28, The Indian College of Physicians and Association of Physicians of India Mumbai*, pages 428–442
5. Verma SP, **Dutta TK, V Mukta**. Approach to bleeding disorder in a young female. In Joshi SR, Editor. *Association Of Physicians Of India: Medicine Update Mumbai.2014;24:754-759*

PATIENT CARE SERVICES

Clinical Services

PLASMAPHERESIS

OPD STATISTICS (MEDICINE AND SPECIALITY CLINICS)

IP statistics

The Department of Medicine has six units. There are a total of 144 general ward beds. In addition there is a 16 bedded MICU with 16 ventilators and a 8 bedded HDU. Department has six units and

Medicine

each unit has 20 beds approximately. The department runs daily OPD. In addition it also runs speciality clinics as well. The speciality clinics are listed in the table below.

OPD STATISTICS (MEDICINE AND SPECIALITY CLINICS)

S. No.	Service	Frequency	No. of patients treated
1.	Medicine OPD	Daily	1,77,731
2.	Diabetic Clinic	Twice weekly	42,382
3.	Hematology Clinic	Once weekly	1,994
4.	HIV Clinic	Once weekly	5,097
5.	Respiratory Clinic	Once weekly	5,678
6.	Geriatric Clinic	Once weekly	668
7.	Hypertension Clinic	Once weekly	1,032
Total			2,34,582

IP STATISTICS

Total number of Admission in 1 year: 12,346

Laboratory services

Statistics of Medicine Side Lab

Statistics of Diabetic Lab

Dexa Lab (Dual Energy X Ray Absorptiometry)

Three laboratories are attached to the department of medicine

- i. *Medicine side lab*: Carries out basic clinical pathology and biochemistry tests
- ii. *Diabetic lab*: Carries out Foot Scan, Doppler Studies and VPT (vibration perception threshold)
- iii. *DEXA lab*: Carries out bone densitometry

Statistics of Medicine Side Lab

Blood Investigations

S. No	Name of the Test	Number of Tests
1.	Haemogram	25,751
2.	ESR	23,180
3.	Differential count	2,183
4.	Bleeding time	1,734
5.	Clotting time	123
6.	Fluid cell count and type	1,734
7.	HbA1C	12,241
8.	Osmolality	8

Urine Investigations

S. No	Name of the Test	Number of Test
1.	Albumin	9,198
2.	Sugar	9,198
3.	Microscopic examination	8,919
4.	Bile salt	56
5.	Bile pigment	55
6.	Urobilinogen	34
7.	Ketones	11
8.	Bence jones protein	84
9.	Eoisnophil	59
10.	24 hrs urine protein	361
11.	Ph	21
12.	Myoglobin	60
13.	Haemoglobin	60

Stool investigations

S. No	Name of the Test	Number of Test
1.	Microscopic examination	315
2.	Occult blood	278

Statistics of Diabetic Lab

S. No	Name of the Test	Number of Tests
1.	Foot scan	1,525
2.	Doppler	2,485
3.	VPT	2,922

Dexa Lab (Dual Energy X Ray Absorptiometry)

S. No	Name of the Test	Number of Tests
1.	DEXA Scan for bone densitometry	1,469

PLASMAPHERESIS

The department has a plasmapheresis machine which provides a life saving treatment for GBS and other of autoimmune disorders

S. No.	Name of the Procedure	Number of Procedures
1.	Plasmapheresis procedure	135

AWARDS, HONOURS AND OTHER PERSONAL ACHIEVEMENTS

Dr. T.K. Dutta

- i. Was awarded Dr. D.B.Bisht endowment gold medal by Jipmer Scientific Society in September 2013.
- ii. Went as Clinico-Pathological Case (CPC) discussant to AIIMS during this academic year

Dr. Abdoul Hamide

- i. Nominated as Examiner by the National Board of Examinations.
- ii. Member of Board of Editors of the International Journal of Pharma Medicine and Biological Sciences.
- iii. Reviewed articles for publication in indexed journals such as Indian J Pharmacology

Dr. Mukta Wyawahare

- i. Awarded ACLS Provider certification on 13th February,2014

ADMINISTRATIVE, PATIENT CARE, EDUCATIONAL, RESEARCH AND OTHER ASSIGNMENTS

Dr.R.P.Swaminathan

- i. Serving as a senior level administrator as Faculty (Administration).Has been instrumental in the recruitment personnel for the following posts: faculty, nurses and multi tasking staff
- ii. Administrative Head, Department of Nephrology.
- iii. Member of Renal Transplantation Committee.
- iv. Member, International Society of Nephrology.
- v. Resource Person for research studies at Vector Control Reserach Centre, Puducherry.
- vi. Resource person for various activities of Medical Education Department such as PG thesis writing, Interns orientation programme.
- vii. Member of Drug Purchase Committee, JIPMER, Puducherry.
- viii. Member, Fire Safety Committee, JIPMER.
- ix. Member, Pharmacovigilance Advisory Committee, JIPMER.

Dr. T.K. Dutta

- i. Organized a CME programme on Hematology on September 14th and 15th, 2013
- ii. Head of Dept. of Clinical Hematology and of Unit VI of Medicine Department.
- iii. Member of Editorial Board of “International Journal of Advanced Medical Research” published from JIPMER
- iv. Member of Editorial Board of “Indian Journal of Hematology and Blood Transfusion”
- v. Officer-in-charge of **Project of Screening OPD, Dental wing and Medical Records Department. (MRD)**
- vi. Member of JIPMER Scientifc Advisory Committee (JSAC)
- vii. Went as Ph. D thesis viva examiner to Department of Medical Oncology, AIIMS during this academic year
- viii. Went twice as DM (Clinical Hematology) examiner to AIIMS during this academic year (June and December, 2013)

Dr. Abdoul Hamide

- i. Set Question Papers and corrected Dissertations for the National Board of Examinations and for Universities in Karnataka