

DEPARTMENTAL ACTIVITIES (2012 onwards):

The department hosted the '**XVIII Indo-US International CME in Cytology, Hematology, Surgical and Molecular Pathology**' from 1st to 3rd February 2013. Professor Dr. Surendra Kumar Verma was the Organizing Secretary for the CME and Dr. Bhawana A Badhe, the Joint Organizing Secretary. Over 30 eminent speakers from all over the world participated and presented their work which was attended by 350 delegates from all over the country.

The CME was accredited by Tamilnadu Medical Council and The Tamil Nadu Dr. MGR Medical University, Chennai. Professor Dr. Bhawana A Badhe was invited faculty in the '**SPARRC workshop and Hematology training program**' for Postgraduates held at Sri Ramachandra Medical College and Research Institute, Porur, Chennai on 11th February 2013. Dr. Siddaraju and Junior Residents Dr. P. Shobhanaa and Dr. T. Rajeshwari, attended "**Updates in Thyroid Cytology**" held at Christian Medical College Vellore on the 7th and 8th of February 2013.

Dr. Siddaraju was also a guest speaker at '**CYTOCME**' conducted at Mahatma Gandhi Medical College & Research Institute, Puducherry on 27th April, 2013. Dr. Sajini Elizabeth Jacob was a guest speaker and delivered talk on 'Controversies in the Pathology of epithelial ovarian tumors' in the JIPMER '**Cancer update CME on Epithelial Ovarian Malignancies**' held by Regional Cancer centre JIPMER on 11th Mar 2012. She also delivered a guest lecture on 'Role of immunohistochemistry in evaluation of ovarian tumours' at Mahatma Gandhi Medical College & Research Centre, Pondicherry on August 2013. Dr. Rakhee Kar attended the '**Hands on Training workshop on Interphase FISH**' held at Christian Medical College, Vellore in February 2013.

Dr. Debdatta Basu attended 'Liver CME' in GB Pant Hospital, New Delhi from 26th to 28th January 2012, wherein, he also conducted a post graduate quiz on Liver Pathology. He was also a guest speaker at a **CME** organized by '**Chattisgarh chapter of IAPM**' on Frontiers in Hematology at JN Hospital at Bhilai on 23rd June 2012. He spoke on 'Interpretation of Bone marrow trephine biopsy', 'Approach to Non-Hodgkin Lymphoma' and also moderated a 'slide session on Potpourri of Hematology cases'. He delivered a guest lecture on 'Hodgkin Lymphoma – approach' and on 'Peripheral T cell Lymphoma' at the '**Pre conference CME on lymphoma**' at the '**39th Annual Conference of Karnataka State Chapter of IAPM 2012**' held at Bangalore on 6th September 2012.

Dr. Basu also participated as a guest faculty at the '**Workshop on Flow Cytometry**' and '**CME on Pathology**' held at MAMCollege, New Delhi on 12th and 13th October 2012, where he spoke on 'Lymphoma Mimics – Diagnostic Approach'. He also took a session with the PGs of VMMCollege, New Delhi on 12th October 2012 and discussed a 'Potpourri of Hematopathology cases'. He was a resource person and speaker at '**Recent Advances in Health Professional Education**' held at Mahatma Gandhi Medical College and Research Institute, Pondicherry on 19th July 2013. He spoke on 'Hierarchy of Learning Outcomes – SOLO taxonomy'.

Dr. Basu was also a guest speaker at '**CME in Pathology**' held at CMC, Vellore on 27th July 2013 during the felicitation for Dr. Shiela Nair. Spoke on 'Lymphoma Mimics'. He also spoke in the 'CME on Hematopathology' conducted at Chennai Medical College and Research Centre, SRM group at Trichy on 10th September 2013; he spoke on 'Approach to a Lymph Node Biopsy'. 34

papers were published since 2012, and a text book chapter was published by Kar R, Assistant Professor of Pathology. (Chapter 2 - The Red Cell: Basic Aspects of Anemia. In: De Gruchy's Clinical Haematology. Edr, R Saxena. Wiley-Blackwell; pp 15-32) Three papers were presented in the monthly JSS meeting. Dr. Sree Rekha, Senior Resident and Ms. Sushya, Laboratory Technician attended the "Workshop on Coagulation Disorders" held at Department of Clinical Pathology and Transfusion Medicine, Christian Medical College, Vellore from 18th to 23rd February 2013. Dr. Sreeya Das, Senior Resident., won the best paper award for 'Gelatinous marrow transformation: A series of 11 cases from a tertiary care centre in South India in the CME on 'Bone and Joint Pathology' – an update held at PIMS, Puducherry on April 14th 2012. Dr. Shilpa Rao and Dr. Kalaivani S, (PGs), won the first prize in PG quiz held in the CME on 'Bone and Joint Pathology' – an update at PIMS, Puducherry on April 14th 2012. Dr. Sarah Grace Priyadarshini (postgraduate student) was a member of the JIPMER team which came third in the National quiz programme conducted by ISHBT in 2012. Dr. Sharmila Y (postgraduate student) won a travel fellowship worth Rs.5000/- for her poster on 'Neutrophilic Cytoplasmic Inclusions- Utility of peripheral smears in the diagnosis' co-authored by authored Sajini Elizabeth Jacob, Debdatta Basu presented in the **'53rd Annual Conference of Indian Society of Hematology and Blood Transfusion organized by SCB Medical College& Hospital Cuttack and held at Puri from 9th -11th November 2012. Pampa Ch Toi, Assistant Professor, presented a poster titled 'Ultrasound guided fine needle aspiration cytology of intrabdominal masses: Our experience at Jawaharlal Institute of Postgraduate Medical Education and Research' (authored by Toi PC, Chitra C, Siddaraju N) at 'APCON 2012', the 61st Annual Conference of IAPM and IAP-ID organized by the department of Pathology, M.P .Shah Medical College, Jamnagar, Gujarat from 13th to 16th December 2012. Of the 351 posters presented, this poster got selected along with six other posters to compete for the best poster award.**

Dr. Chithra C and Dr. Bidish Kumar Patel final year residents were part of the team that won the first and second place in the ISHBT Quiz 2013 college level round held in JIPMER on 18.05.2013. They represented JIPMER in the state level round held in JIPMER on 13.07.2013. An intradepartmental 'CME on Breast Pathology' was held on 17th August, 2013, in which Dr. Bhawana Badhe spoke on 'Fibroepithelial breast tumors: Diagnostic issues'. This was followed by group discussion on breast lesions by moderators Dr. Pampa, Dr, Sajini and Dr. Rakhee and the postgraduate students.

HEMATOLOGY CME: The Department of Medicine, Pathology and Medical Oncology organised a Hematology CME on 14th and 15th September 2013. Many eminent hematopathologists and clinical hematologists from all over the country were invited as speakers. 120 delegates participated. From the department, Dr. Bhawana Badhe, Dr. Debdatta Basu, Dr. Rakhee Kar and Dr. Sajini Jacob were the local faculty. Dr. Bhawana chaired a session. Dr. Basu, Dr. Rakhee and Dr. Sajini participated in a panel discussion on Laboratory hematology. Dr. Suganya, final year PG presented an interesting case of severe eosinophilia masquerading Acute lymphoblastic leukemia.

CYTOCON2013, the Annual Conference of Indian Academy of Cytologists (IAC) with the pre-conference CME on 'Cytology of Male Genital System' and post-conference workshop on 'liquid based cytology (LBC)' was held between 3rd and 6th October, 2013. It was organized by the department of Pathology under the guidance of Dr. Bhawana A. Badhe, Professor & HOD,

Pathology, with Dr. Surendra Kumar Verma, Professor of Pathology, as the Organizing Secretary. The conference was held at HOTEL SUNWAY; the Pre-conference CME, moderated by Dr. RGW Pinto, was conducted in the JIPMER auditorium, while the post-conference workshop moderated by Dr. Nalini Gupta was conducted in the department of Pathology (Pasteur theatre). Several international guest speakers participated in this conference, which was well attended and appreciated by more than 300 delegates from all over the country. Workshop sessions on LBC conducted by Dr. Durgesh Nandini Rana and Dr. Mina Desai were found to be of high practical value by the delegates. The department of Pathology of JIPMER actively participated in the conference by presenting 22 papers, which included 8 posters and 14 oral papers. Dr. Siddaraju, spoke on 'Cytodiagnostic Approach to Metastatic Male Genital Cancers', while Dr. Rajesh presented 'Interesting Cases' in the slide seminar conducted as part of the CME. Dr. Suganya K, final year Postgraduate student won the prestigious 'NALINIBAI THAKKAR AWARD' for her paper titled 'Role of Micronuclei in Cervical Intraepithelial Lesions and Carcinoma' while, Dr. Rajalakshmi, Senior Resident and Dr. Chitra, final year postgraduate student won the 'BEST POSTER AWARDS' for their papers titled 'A Malignant Adnexal Tumor of the Vulva with a Pathologic Diagnostic Dilemma Between Primary Cutaneous Carcinoma and Malignant Chondroid Syringoma' and 'Cytodiagnosis of Extraskelatal Myxoid Chondrosarcoma - Report of Two Cases' respectively. Following are the papers presented at CYTOCON-2013: 1. Role of micronucleus in cervical intraepithelial lesions and carcinoma. Suganya K, Verma SK, Jacob SE, Siddaraju and Dasari Papa D [**NALINIBAI THAKKAR AWARD**] 2. A comparative analysis of conventional and liquid based cervico-vaginal cytology: a study of 140 cases (Toi PC, Sharma J, Sundareshan M, Siddaraju N) 3. Cytomorphologic spectrum of benign breast lesions and their histopathologic correlation (Jain D, Siddaraju N, Roy A, Toi PC, Jacob SE, Verma SK) 4. Cytologic evaluation of bronchial brushings and pre/ post-brush washings (Madhumitra T, Neelaiah Siddaraju N, Madan Raj, Saka VK, Elangovan, Agarwal A) 5. Utility of imprint cytology in diagnosis of Helicobacter pylori infection- a study of 125 cases (Banu N, Siddaraju N, Bhumana S, Kadambari D, Sistla SC) 6. A systematic approach to cytodiagnosis of matrix-rich and basaloid tumors of salivary glands (Manickam N, Siddaraju N, Jacob SE, Verma SK, Parida PK) 7. Fine needle aspiration cytology of salivary gland tumors with glandular pattern (Jacob SE, Manickam N, Siddaraju N, Verma SK, Parida PK) 8. Approach to neoplastic and atypical hematolymphoid cells in serous body fluids: a Study of 15 cases (Siddaraju N, Rajesh NG, Suganya K, Jacob SE, Toi PC, Kar R, Basu D) 9. Clinical utility of fine needle aspiration cytology of liver. (Rajesh NG, Neelaiah Siddaraju N, PampaToi PC, Jacob SE, Verma SK) 10. Cytology of peritoneal Washings with omental biopsy correlation in patients with abdominal malignancies: a 2-years' experience at Jawaharlal Institute of Postgraduate Medical Education and Research (Saranya D, Jain D, Toi PC, Jacob SE, Rajesh NG, Verma SK, Siddaraju N) 11. Evaluation of urine cytology in patients with urothelial neoplasms (Shobhanna PS, Siddaraju N, Jain D, Verma SK, Mandal S, Toi PC, Jacob SE, Rajesh NG, Badhe BA) 12. Comparison of modified ultrafast versus conventional Papanicolaou staining techniques on cytologic smears of serous body fluids (Bakthavachalam S, Jacob SE, Siddaraju N) 13. Spray fixation of cytologic smears as an alternative to wet fixation for Papanicolaou staining in fluid Cytology (Prasanna VP, Bidish Kumar P, Rajesh NG, Siddaraju N) 14. A comparison of normal saline and aqueous glycerine rehydration techniques for Papanicolaou staining (Saravanan P, Verma SK, Jayalakshmi D, Siddaraju N) 15. A malignant adnexal tumor of the vulva with a pathologic diagnostic dilemma between primary cutaneous mucinous carcinoma and malignant chondroid syringoma (Rajalakshmi P, Jain D, Rajesh N G, Badhe BA, Siddaraju N [**BEST POSTER AWARD**]) 16. Cytodiagnosis of extraskelatal myxoid chondrosarcoma: report

of two cases (Chandran C, Jain J, Rajesh NG, Siddaraju N, Menon J) [**BEST POSTER AWARD**]
17. Interesting cytologic aspects in a patient of medullary thyroid carcinoma with coexisting hashimoto's thyroiditis (Bidish Kumar P, Jain D, Roy A, Toi PC, Badhe BA, Siddaraju N) 18. Cytodiagnostic pitfall of Hürthle cell nodules: a report of 3 cases (Rajeshwarie, Jain D, Rajesh NG, Siddaraju N, Badhe BA) 19. Papillary thyroid carcinoma presenting as bone metastasis without cervical node involvement: a report of two cases. Priyavadhana B, Jain D, Rajesh NG, Sivasubramaniyan KM, Siddaraju N) 20. Fine needle aspiration cytologic diagnosis of metastatic renal cell carcinoma presenting as an unknown primary (Jhansi Rani, Nafeesa Banu, Shbhanaa, Deepti Jain, Rajesh NG, Siddaraju N) 21. Fine needle aspiration cytology of metastatic urothelial cell carcinoma of urinary bladder: a case report (Prasath S, Nafeesa Banu, Deepti Jain, Rajesh NG, Badhe BA, Siddaraju N) 22. Cytologic diagnosis of hepatocellular carcinoma presenting as humeral metastasis: a case report (Sharmila Y, Deepti Jain D, Rajalakshmi P, Rajesh NG, Siddaraju N)

Dr. Debdatta Basu, Professor of Pathology attended '**HEMATOCON-2013**', the 54th Annual Conference of Indian Society of Hematology and Blood Transfusion at Mumbai between 6th and 10th November, 2013. He was a guest faculty at 'Pre conference workshop on 'Hodgkin Lymphoma' held at Tata Memorial Hospital, in which he discussed cases of Hodgkin Lymphoma. He was also a Chairperson and speaker at Session on 'Lymphoma', wherein he spoke on 'Lymphoma in HIV/AIDS'. Dr. Debdatta Basu was a Chairperson and Faculty member at '**AGOICON**', the 21st Annual conference of Association of Gynecological Oncologists of India, held at JIPMER, Pondicherry from 8th to 10th November, 2013. Dr. Debdatta Basu was a faculty at '**South India Lymphoma Group meeting**' held at Kidwai Institute of Oncology, Bangalore on 18th November, 2013, where he presented 'A case of Hodgkin lymphoma and Castleman disease'. Dr. A.R. Ranjith, the 1st year post graduate student also attended the meeting and presented 'A case of mantle cell lymphoma presenting as leukemia'. He also attended the '**1st Indian Cancer Congress**' in New Delhi as faculty and participated in the '**Hodgkin lymphoma workshop**' on 20th November 2013. He presented 'An interesting case of Hodgkin lymphoma and discussed the 'issues related to diagnosis of Hodgkin Lymphoma'. The department held two **INTRADEPARTMENTAL CMEs** in the month of November, 2013. The first was on '**Gynaecologic Pathology**', in which **Dr. David Millan**, Consultant Pathologist, Glasgow Royal Infirmary, delivered guest lectures on (i) Mucinous tumors of ovary and (ii) Clear carcinoma of ovary. Dr. Chitra and Dr. Suganya, the final year postgraduate students presented two original papers titled 'Diagnosis of EIN and the role of PTEN, bcl2 and Ki67 in endometrial lesions' and 'Role of micronucleus in cervical intraepithelial lesions and carcinoma' respectively. Also presented in the CME were two interesting cases of ovarian tumors by Dr. Madhumitra and Dr. Nafeesa Banu. The second 'CME was on '**Neuropathology**' in which Dr. Pratibha Kumar, Professor & HOD of Pathology, SRMC, Chennai and Dr. Surendra Kumar Verma, Professor of Pathology (JIPMER) spoke on 'Approach to CNS tumors' and 'Role of squash cytology in CNS tumors' respectively; which was followed by an 'interactive case presentation session' on 'Interesting CNS lesions' by the Pathology postgraduate students of JIPMER. The cases discussed were (i) Glioblastoma multiforme, (ii) Anaplastic oligodendroglioma, (iii) PNET, (iv) Atypical meningioma and (v) Tubercular abscess. Dr. Sajini Elizabeth Jacob, Assistant Professor & Dr Sree Rekha, Senior Resident conducted a '**Quiz in Neuropathology**' for Postgraduate students, in which Dr. Chitra, the final year postgraduate student won the first prize. Dr. Verma SK delivered a guest lecture on 'Recent advances in pathogenesis of atherosclerosis' at ISARCON-2013, held

at Cancer Institute, Thrissur on 23rd November, 2013. Dr. BH Srinivas, Assistant Professor, received the '**POST DOCTORAL CERTIFICATE COURSE (FELLOWSHIP) IN RENAL TRANSPLANT PATHOLOGY**', conducted by the Indian College of Pathologists. He received this award at the inaugural function of IAP-ID 2013 at Aurangabad. He also completed his one month '**OBSERVER-SHIP IN NEUROPATHOLOGY**' at NIMHANS, Bangalore, from November 11 to December 10, 2013. Dr. Sajini Elizabeth Jacob, Asst Prof, Dept of Pathology and Junior residents Dr. K.Suganya and Dr. Y.Sharmila attended 'MYSTERIES OF THE LYMPH NODE...REVEALED', 2nd National CME on Lymphomas' held on 6th & 7th December 2013, which was organised by The Department of Pathology, Regional Cancer Centre, Thiruvananthapuram. Dr. K.Suganya junior resident participated in 'Challenges in Lymphoma diagnosis- slide seminar' and won the '**BEST PAPER AWARD**' for a case report titled "CLL with increased paraimmunoblasts". This paper was also co-authored by Dr.Rakhee Kar and Dr.Sajini Elizabeth Jacob. Dr. Bhawana Ashok Badhe, Professor and HOD of Pathology and Dr. Pampa Ch Toi, Associate Professor of Pathology along with the postgraduate students Drs. Priyavadhana, Chitra, Shobhanaa, Bidish and Madhumitra attended 'APCON 2013' (the National Conference of Indian Association of Pathologists and Microbiologists) held at Aurangabad, Maharashtra from 12th to 15th December 2013. Dr Pampa judged a POSTER SESSION. **Following papers were presented.** 1. Male Breast Cancer: a clinicopathologic study of 21 cases at a tertiary care hospital in south India. (Authors: Pampa Ch Toi, Priyavadhana Balasubramanian, Bhawana ashok Badhe, Kadambari Dharanipragada, Biswajit Dubashi) 2. Study Of Immunohistochemical Profile Of p53, Ki67, CK20, CD10 In Urothelial Neoplasms Of Urinary Bladder. (Authors: Shobhanaa Pitchmuthubabu Seetathalakshmi, Bhawana A Badhe, Sajini Elizabeth Jacob and Muruganandham K) 3. Diagnosis of endometrial intraepithelial neoplasia and the role of PTEN, Bcl 2, and Ki 67 in endometrial carcinoma. (Authors: Chitra chandran, Surendra kumar Verma, Rajesh Nachiappa Ganesh, Syed Habeebullah) 4. Clinicopathological Profile and Immunophenotypic Aberrations in Nodal Peripheral T-Cell Lymphoma - Not Otherwise Specified : A descriptive study from a tertiary care hospital in South India (Authors: Bidish Kumar Patel, Debdatta Basu, Rakhee Kar, Biswajit Dubashi) Dr. Bhawana Badhe, professor and Head of Dept. and Dr. Debdatta Basu, professor were invited as faculty at Sri Ramachandra Pathology Annual Rapid Review Course 2014 held at SRMC College, Chennai from 6th to 11th January 2014. Dr. Bhawana Badhe delivered lecture and slide discussion on Hematology cases and Dr. Debdatta Basu took a session on Non-neoplastic lymph node pathology. Department of Pathology, JIPMER actively participated in the Regional Pediatric Oncology Conference (REPOC 2014) held in JIPMER on 8th and 9th March, 2014. Dr. Debdatta Basu, Professor of Pathology, delivered a guest lecture on "Diagnostic dilemmas in onco-pathology in pediatric tumors". Dr. N. Siddaraju, Professor of Pathology chaired the session. The residents of Pathology presented one oral paper and six posters in the conference. Dr. Biswajit Dey, senior resident and Dr. A. Jhansi Rani, final year postgraduate student won best poster awards for their papers titled "An interesting case of pediatric renal cell carcinoma" and "Therapy related acute myeloid leukaemia in a child with neuroblastoma with residual disease" respectively. Following are the papers presented in REPOC 2014: 1. Childhood Hodgkins lymphoma - clinicopathologic analysis of 42 cases. (Priyavadhana B, Priyadarshini T, Jacob SE, Kar R, Basu D) [ORAL PAPER] 2. An interesting case of pediatric renal cell carcinoma. (Dey B, Banu N, Ranjith AR, Badhe BA, Govindarajan KK) [BEST POSTER AWARD] 3. Therapy related acute myeloid leukaemia in a child with neuroblastoma with residual disease. (Jhansi RA, Sylvia MT, Basu D, Kar R, Biswajit D) [BEST POSTER AWARD] 4. Diagnostic issues in a case of embryonal rhabdomyosarcoma with multiple sites of involvement and metastasis to bone marrow. (Ranjith

AR, Toi PC, Kar R, Basu D, Biswajit D) 5. Pineal Parenchymal tumour of intermediate differentiation- Rare case report. (Kar PK, Prasath S, Srinivas BH, Venkatesh M) 6. Paediatric chronic myeloid leukaemia with extreme thrombocytosis: Report of a rare case. (Verma SP, Madhumithra T, Jacob SE, Basu D, Biswajit D) 7. Histomorphological profile of Langerhans Cell Histiocytosis of liver and lymph node in paediatric patients. (Pradhan P, Subramanian H, Jacob SE, Basu D) **FUNDED RESEARCH PROJECTS (last 2 years):** 1. Histopathological and immunohistochemical evaluation of follicular-patterned neoplasms of thyroid (completed in 2012) 2. Diagnosis of endometrial intraepithelial neoplasia and the role of PTEN, BCL-2 and ki-67 in endometrial lesion (completed in 2013) 3. Aortic wall diseases: study of histomorphology and role of pro inflammatory marker S100 A12 (in progress) 4. P16, CK17 and P63 in distinguishing squamous cervical intra-epithelial lesions from its mimics (completed in 2013) 5. Study of immunohistochemical profile of p53, Ki-67, CK20 and CD10 in urothelial neoplasms of urinary bladder (completed in 2013) 6. Nodal peripheral T cell lymphoma: immunophenotyping and its association with Epstein Barr Virus (completed in 2013) 7. Fine needle aspiration cytology of spindle cell lesions and their histopathologic correlation (ongoing) 8. Screening for paroxysmal nocturnal hemoglobinuria in the local patient population using gel card technology (ongoing) 9. Evaluation of estrogen and progesterone receptors and Her-2 neu expression in fine needle aspirates of patients with breast carcinoma (ongoing) 10. Immunophenotypic profile of diffuse large B-cell lymphoma with special reference to presence of c-myc, EBV, CD5 – (ongoing) 11. Histopathologic and immunophenotypic analysis of basal-like breast carcinoma (ongoing) 12. Role of p16 and CISH in detection of HPV in oral squamous cell carcinoma (in progress) **SIGNIFICANT EVENTS (RECENT):** 1. During the year 2012 -2013 two new courses, MSc (MLT) Cytopathology and Ph.D. in Pathology were started. 2. Facilities in Haematology laboratory have expanded with the addition of Automated Coagulometer and Platelet Aggregometer. 3. Dr. Debdatta Basu was awarded the BD Baruah Oration for the year 2013 at NERCON2013, the Annual Conference of North East Chapter of IAPM held at NEIGRIHMS, Shillong from 27th to 29th September 2013. He spoke on 'Non-Hodgkin lymphoma – approach and mimics' and conducted a workshop on Trepine biopsies with a talk on 'Approach to Bone marrow trephine biopsy', followed by a 'slide session'. He delivered a guest lecture on 'Hodgkin Lymphoma – an enigmatic disease'. 4. Dr. Srinivas BH, Assistant Professor, was awarded the 'Dr.D N Das Award'(year 2012-13) for his original paper titled "Morphological Changes in the Bone Marrow in Patients of Chronic Myeloid Leukemia (CML) Treated with Imatinib Mesylate", published in the Indian Journal of Hematology and Blood Transfusion (IJHBT). The 55th Annual Conference of Indian Society of Haematology & Blood Transfusion (ISHBT) hosted by the Society of Haematology & Transfusion Medicine was held at Ramoji Film City Hyderabad from November 6-9th 2014. People interested in hematology from all over the country and quite a handful of eminent overseas speakers participated and shared their knowledge and experience. A team of young pathologists from the Department of Pathology, JIPMER under the guidance of Dr.Debdatta Basu, Professor and Dr.Rakhee Kar, Associate Professor attended the conference. Dr,Debdatta Basu delivered a talk on “Morphology in Diagnostic hematology – Platelets, Parasites and Pitfalls ” in addition to being a guest faculty in the Post conference workshop on Bone Marrow aspiration and trephine biopsy interpretation where he spoke on Bone marrow in chronic myeloproliferative neoplasm. Dr.Rakhee Kar talked on “Mechanical hemolysis” which was part of a session on Hemolytic Anaemia and also was a guest faculty in the Post conference workshop on T and T/NK cell lymphomas. Dr.Amrutha.G, second year postgraduate won the BEST POSTER AWARD for her poster on “Evaluation of new onset pancytopenia in geriatric population with

emphasis on Absolute Neutrophil Count (ANC) co-authored by Dr. Debdatta Basu, Dr. Rakhee Kar and Dr. Sajini Elizabeth Jacob. In addition to which there were two more poster presentation and an oral paper. Dr. Sharmila.Y presented a poster on “Immunophenotypic profile of Diffuse Large B Cell Lymphoma (DLBCL) with special reference to presence of C-MYC, CD5 and Epstein Barr Virus”. Dr. Ranjith.A.R presented a poster titled “Double-Trouble: Hematologic and Non-Hematologic collision tumour. A report of two rare cases” Dr. T. Madhumithra had an oral paper on her thesis titled “Clinico haematological profile and bone marrow histomorphology in Imatinib treated Chronic Myeloid Leukemia” In short it was a perfect balance of academics and cultural activity and an attempt to inch forward towards the theme of the conference ‘Haematology – reaching out to one and all’

The fourth Intradepartmental CME on “Bone marrow and trephine biopsy Interpretation” was conducted by the department of Pathology was held on 29-11-2014. Marking the success of the 3rd Intradepartmental CME a “Concise Handbook On Immunohistochemistry profile In Malignant Neoplasms” was released by Dr. Bhawana Badhe, HOD, Department of Pathology. The CME was attended by the faculty and residents of Pathology and Medicine Department. “Sherlock and the Seven Obstacles” would have been apt title for a short skit conducted by the First year Post Graduates portraying the utility of bone marrow aspiration and biopsy in arriving at a final diagnosis. This laid a firm foundation for the CME. There were two lead talks one on “Processing and Indication” by Dr. Sajini Elizabeth Jacob and another on “Normal Histology of Marrow” by Dr. Rakhee Kar. Following which there were eleven case presentations by the postgraduates moderated by Dr. Debdatta Basu. Each of the eleven highlighting the uniqueness, the superiority of either aspirate or biopsy in individual case, the clues & hints and the approach to the hidden treasure. A quiz designed and executed to perfection by Dr. Bidish Kumar Patel was the highlight of the CME. Dr. Sajini participated and won the quiz proving that enthusiasm doesn’t fade with age. Dr. Sharmila, final year post graduate and Dr. Biswajit Dey, Senior Resident came second and third respectively. All that starts well ends well. Overall, a Saturday afternoon well spent.

The 63rd annual conference of Indian Association of Pathologists and Microbiologists (APCON) was held at Armed Forces Medical College, Pune from 5th to 7th December, 2014. JIPMER had a strong presence in the conference with 10 delegates from the Department of Pathology under the guidance of Dr. Pampa Ch Toi, Associate Professor of Pathology, Dr. Sajini Elizabeth Jacob, Associate Professor of Pathology and Dr. Adarsh Barwad, Assistant Professor of Pathology. Four oral papers and 5 posters on diverse aspects of pathology were presented. Abstracts of all the papers were published in the November (Supplement) issue of Indian Journal of Pathology and Microbiology. Following are the oral papers presented in APCON, 2014:

1. Evaluation of estrogen and progesterone receptors and Her-2 expression in the fine needle aspirates of patients with breast carcinoma. (**Pampa Ch Toi**, Neelaiah Siddaraju, Surendra Verma, Dharanipragada Kadambari)

2. Histomorphological evaluation of liver biopsies in neonatal cholestasis syndrome with special reference to biliary atresia. (**Prasath Sathiah**, Debdatta Basu, Rakhee Kar, Bharath J, Kumaravel S)
3. A descriptive study of the morphological spectrum of non-neoplastic conditions of duodenum in a tertiary care centre in South India. (**Priyavadhana Balasubramanian**, Bhawana A Badhe, Rajesh NG, Lakshmi CK Panicker, Pazhanivel Mohan)
4. Combination immunohistochemistry in differentiating basal cell carcinoma from benign morphological mimics. (**Hema Subramanian**, Bhawana A Badhe, Rakhee Kar, Adarsh Barwad)

Following are the posters presented in APCON, 2014:

1. Spectrum of acute leukemias with fibrosis. (**Sajini Elizabeth Jacob**, Debdatta Basu, Rakhee Kar)
2. A clinicopathological analysis of congenital lung malformations. (**Biswajit Dey**, Hema Subramanian, Bhawana A Badhe, Debdatta Basu, Sajini Elizabeth Jacob, Adarsh Barwad)
3. Spectrum of neuroendocrine lesions of gastrointestinal tract including two cases of mixed adeno-neuroendocrine carcinoma. (**Rajeshwarie RT**, Sajini Elizabeth Jacob, Bhawana A Badhe)
4. Study of Glioblastoma cases (GBM) with special emphasis on Glioblastoma with Oligodendroglial component (GBMO). (**Dharma Saranya**, Srinivas BH, Sajini Elizabeth Jacob, Surendra Verma, Bhawana A Badhe)
5. Proximal epithelioid sarcomatous dedifferentiation in secondary chondrosarcoma in a known case of multiple osteochondromatosis. (**Mangesh Chikale**, Bhawana A Badhe, Adarsh Barwad, Biswajit Dey, Prita Pradhan)

The department of Pathology, JIPMER under the aegis of Tamil Nadu and Pondicherry Chapter of Indian Association of Pathologists and Microbiologists organised an one day CME on

“Gastrointestinal & Hepatic Pathology” held on 7th February at JIPMER. The CME was inaugurated by Dr. A.J.Veliath a stalwart and former HOD of Pathology and Former Medical Superintendent of JIPMER.

The CME exemplified a good mixture of clinical and pathological correlation. The CME started with a discussion on Non alcoholic steatohepatitis by Dr. George Kurain of PIMS, Pondicherry. It was followed by clinical work up and recent advances of hepatobiliary malignancies and colorectal malignancies by Dr. Biju Potakkat of JIPMER and Dr. Ashok Kumar from SGPGI, Lukhnow respectively and had interactive sessions between the surgeons and pathologists. As a part of giving life to the needy the session on “Interpretation of Post transplant liver biopsy” by Dr. Mukul Vij, Global Hospital, Chennai, threw light on histological findings which are of clinical importance in transplant settings. The talk on the Interpretation of duodenal biopsy by Dr. Anna Pulimood, of CMC, Vellore, explored the world of malabsorption syndromes. Dr. Anil Tarigopula ex-JIPMERite and currently in Apollo Hospital, Chennai delved into the “Molecular Diagnosis of GI tumours”. Three faculty members from the department also gave talks. Interpretation of various cytological specimens from GI tract and liver was shared generously by Dr. N. Siddaraju. Cytology of the hepatobiliary tract malignancies was presented by Dr. Surendra Kumar Verma. Dr. Debdatta Basu spoke on “Interpretation of liver biopsy in Neonatal Cholestasis and Biliary atresia”. The CME ended with case presentations from various institutions. Over all, an academic feast for the 150 odd participants who attended the CME.

Debdatta Basu, Professor of Pathology participated as Guest faculty at the 33rd Annual National CME in Pathology at JN Medical College, Belgaum on 5th June 2015 and spoke on three topics

- a) Lymphoma - morphology and beyond
- b) Bone marrow studies in Pediatric diseases
- c) Case discussion in Hematopathology - Potpourri of cases

5th Basic Hematopathology Course was held in Tata Memorial Hospital, Mumbai on 26th and 27th June 2015. Dr. Debdatta Basu along with Dr. A.R. Ranjith, final year postgraduate, Dr. Jhansi Priya and Dr. A. Pavithra, both second year post graduates attended the course. Dr. Basu was a guest faculty and spoke on Morphology of Peripheral Blood Smear.

The college level selection for the two teams to represent JIPMER at the Indian Society of Hematology and Transfusion Medicine Annual Quiz for Post graduates was held on 20th July 2015. Ten teams comprising of post graduate students from Pathology, Medicine, Pediatrics and Transfusion Medicine took part. The two teams that qualified and will represent JIPMER are:

Winners - Dr. Ashish Singh, Dr. Mangesh Chikhale and Dr. Norton Stephen (all 2nd year, Pathology PGs)

Runner -up - Dr. A.R. Ranjith (Pathology), Dr. Karthikeyan (Medicine) and Dr. Dhayaguruvasan (Pediatrics) .

They will represent JIPMER in the state level quiz for colleges of Tamil Nadu and Pondicherry, scheduled to be held on 8th August 2015 in JIPMER.

The 56th Annual Conference of Indian Society of Hematology and Blood Transfusion was held at Bangalore from November 5-8, 2015. The conference was attended by Dr. Debdatta Basu, Professor – He delivered a talk on Multiple Myeloma – diagnostic issues, then and now. Dr. Rakhee Kar, Associate Professor – She presented a free paper “Spectrum of Inherited bleeding disorders from a single tertiary care centre over six years and their diagnostic approach” co-authored by Debdatta Basu, Bhawana Badhe, PI Ambika, S.Sushya and R.Sundharamoorthy. Dr. Rakhee also chaired and judged a free paper session. She was also elected as an executive committee member of Indian Society of Hematology and Blood Transfusion. Dr. Ranjith AR, Final year post graduate – He presented a free paper entitled ‘‘Flt3 Internal Tandem Duplication in Acute Myeloid Leukemia and its clinicopathological correlation’’. Co-authored by Rajesh NG, Debdatta Basu, S C Pradhan, Smita Kayal. The following residents presented posters: Dr. Kalaivani, Senior Resident – ‘‘Clinicopathological analysis of 25 cases of Acute Eryhroleukemia’’. Co-authors - Srinivas BH, Rakhee Kar, Sajini Jacob, Debdatta Basu, Bhawana Badhe Dr. Biswajit Dey, Senior Resident – Follicular Lymphoma –a six and a half year study of 36 cases. Co-authored by Mary Theresa Sylvia, Debdatta Basu, Rakhee Kar, Sajini Jacob Dr. Prasad Dange, Senior Resident – Clinicohematological features of hemaophagocytosis with emphasis on Hemophagocytic lymphohistiocytosis. Co-authroed by Rakhee Kar, Srinivas BH, Sajini Jacob, Debdatta Basu Dr. Hema S, Final year post graduate - Inherited Factor V deficiency complicated by inhibitors at first presentation. Co-authors – Rakhee Kar, Deepak Charles, PI Ambika, Hitha B, TK Dutta Dr. Ashish Singh, 2nd Year postgraduate – Therapy related Acute leukemia – a series of three cases. Co-authors - K. Arun Kumar, Rakhee Kar, Sajini Jacob, Debdatta Basu Dr. Pavithra A, 2nd year postgraduate – Evaluation of post chemotherapy bone marrow changes in Acute Myeloid Leukemia. Co-authored by Debdatta Basu, Rakhee Kar, Biswajit Dubashi Ambika PI, PhD scholar – Prolonged PT and APTT – how common are common pathway disorders? Co-authors - Rakhee Kar, S.Sushya, R.Sundharamoorthy, Debdatta Basu 1. **Dr. Debdatta Basu**, Professor of Pathology along with **Dr. K. Arun Kumar**, Senior Resident and **Dr. Prasad Dange**, Senior Resident, were invited faculty at the Pre-conference Hematology CME and Workshop on Bone marrow biopsy interpretation held at MKCG Medical College, Brahmapur, Odisha. They conducted a workshop on Bone marrow trephine biopsy and spoke on the following topics Dr. Debdatta Basu -1.Myeloproliferative neoplasm and 2. Plasma cell dyscrasia Dr. K. Arun Kumar – Non-hematological malignancies Dr. Prasad Dange – PUO and HIV 2. **Debdatta Basu** was an invited speaker at Sri Manakula Vinayagar South Indian Physician Conference (SMVSIPCON 2015) , held at Sri Manakula Vinayagar Medical College, Puducherry held on 31st October and 1st November 2015. He spoke on Approach to pancytopenia 3. **Dr. Ranjith AR**, final year post graduate, Pathology along with Dr. Karthikeyan (PG Medicine) and Dr. Dhayaguruvasn (PG Pediatrics) came third in the South Zone Hematology quiz organised under the auspices of Indian Society of Hematology and Transfusion Medicine, held in Bangalore

1. **Ranjith AR**, second year post graduate student won the prestigious award for the Best paper in Category A (Short communications like Case reports – exclusively for residents) at the JIPMER Scientific Society for the year 2014-2015. His paper was entitled

Double – Trouble: Hematologic and Non-Hematologic Collision Tumour – A report of two rare cases

Author: Dr. Ranjith AR

Co-authors: A Jhansi Rani, Sajini Elizabeth Jacob, Rakhee Kar, Debdatta Basu.

2. Sri Lakshmi Narayan Institute of Medical Sciences, Pondicherry organised a CME cum Pathology Meeting on 7th March 2015. There was an active participation by the Dept. of Pathology, JIPMER. Faculty members, Dr. Surendra Kumar Verma, Dr. Debdatta Basu, Dr. Sajini Elizabeth Jacob and Dr. Adarsh Barwad, along with many residents attended the same. Dr. Basu gave an invited talk on “Approach to platelet disorders”. Dr. S. Kalaivani, Senior Resident presented an interesting case of Steroid cell tumor of ovary while Dr. Khowsalya S, second year post graduate student presented a case of Isolated pulmonary Langerhans cell histiocytosis.