

# Department of Pathology

## Introduction:

Department of Pathology has established various diagnostic branches namely Histopathology, Hematology, Clinical pathology, Cytology and Immunohistochemistry over a period of twenty five years along with nurturing to the undergraduate and post graduate education.

Post graduate course in MD Pathology was started in 2003 with two admissions per year and increased to four per year from 2010. So far, eight batches of students have completed their course with 100% pass percentage. Phd courses were started from 2011. Postgraduate study specimens, constructed autopsy specimen assembly is always ready for PG examinations. The department has well stocked museum arranged systematically with corresponding legends.

Our department has procured equipment's for diagnostic services like Histokinet (automatic), Binocular research microscopes, Trinocular microscopes with CCTV attachment, Haematology autoanalysers etc., IHC (Immunohistochemistry) laboratory is set up and we are using 19+5 of antibodies on Histopathology section for diagnostic and research purpose.

Our Department in co-ordination with Department of Biochemistry and Microbiology is actively involved in providing patient care at central laboratory established at R L Jalappa Hospital.

## **DEPARTMENT OF PATHOLOGY - HOD LIST**

SL. NO	NAME	DESIGNATION	FROM	TO
01	Dr.B.Mohapathra	Professor & HOD	Mar -1988	July-1989
02	Dr.S.H.Srikantia	Prof & HOD	01.12.1991	31.12.2002
03	Dr.M.L.Harendra Kumar	Prof & HOD	01.04.2003	Till date

## **Faculty – Update as on 1<sup>st</sup> January 2014**

1	Dr.M.L.Harendra Kumar	Professor and HOD	1	Dr.Divya Rani.M.N	Tutor
2	Dr.CSBR.Prasad	Professor	2	Dr.Lokesh Haswani	Tutor
3	Dr.T.N.Suresh	Professor	3	Dr.Deepthi.A	Tutor
4	Dr.Subhashish Das	Associate Professor	4	Dr.Rizwan Javed	Tutor
5	Dr.Vidyavathi.K	Associate Professor	5	Dr.Priya T.Rajan	Tutor
6	Dr.Manjula.K	Associate Professor	6	Dr.M.N.Sharitha	Tutor
7	Dr.Hemalatha.A	Assistant Professor	7	Dr.Shubham Agarval	Tutor
8	Dr.Gayathri.B.N	Assistant Professor	8	Dr.Chaithra.H	Tutor
9	Dr.Prathima.S	Assistant Professor	9	Dr.Rakshith	Tutor

10	Dr.Shilpa.G	Assistant Professor	10	Dr.Yashaswini	Tutor
11	Dr.Swaroop.Raj.B.V	Assistant Professor	11	Dr.Veena	Tutor
12	Dr.Sushma.S	Assistant Professor	12	Dr.Geethanjali	Tutor

## **Programme Offered**

### ***ACADEMIC***

#### **UG Courses**

MBBS

BSc Nursing

BSc OT technology

#### **PG Courses**

MD Pathology

Ph.D

PG Diploma in Genome Technology

MSc Nursing

### ***LABORATORY SERVICES***

Histopathology

Hematology

Cytology

IHC

Clinical Pathology

Blood Bank

#### **Histopathology:-**

All biopsies.

Surgical pathology.

Special stains, like – PAS, Reticulin, Mucin stain, Etc.,

Immuno-Histo-Chemistry.

Frozen section

Museum: More than 600 mounted specimens with laminated details of the specimen having gross and Microscopy colour pictures.

#### **Cytology**

Pap smears

Fluid cytology

FNAC

Guided FNAC

#### **IHC**

Immunohistochemistry is done for classification of undifferentiated and poorly differentiated tumours IHC is also done for ER & PR for hormonal therapy in carcinoma of breast, many research projects are on going using IHC technique.

## LIST OF PRIMARY ANTIBODIES

Sl.No	Diagnostic Purpose
1	Estrogen Receptor
2	Progesterone Receptor
3	CD 45 (LCA)
4	CD-3
5	CD-20
6	CK Pan (Ae1/Ae3)
7	CK HMW (34be12)
8	S 100 Protein
9	Vimentin (V9)
10	Desmin (D 33)
11	Myf-4
12	Ki 67
13	P 53 (Do -7)
14	CD 34 (Qbend 10)
15	Factor- VIII
16	CD 31
17	Chromogranin
18	SMA
19	CD117

Sl.No	Research Purpose
1	Cyclin D1
2	E- Cadherin
3	Retinoblastoma (Rb)
4	P16
5	P14

### Clinical Pathology in central laboratory at R.L.J.H - 24 hrs.

All routine Haematological investigation by 5 part & 3 part auto Analyzer & Automated ESR.  
Urine examination,  
Semen Analysis.  
CSF and fluid examination.  
Coagulation studies – by 4 channel coagulometer

### Blood Bank:-

24hrs blood bank with Component Therapy  
Whole blood.  
Fresh frozen plasma.  
Red cell pack.  
Platelet – concentrate  
Proposed for aphaeresis

### Teaching Aids

Computer with digital camera for microphotography  
CCTV with Trinocular microscopes  
OHPs-2  
35mm slide projector  
LCD Projector  
Dept Library – List  
Research Microscopes for diagnostic and PG Teaching.

## PUBLICATION LIST FROM 2007 TO 2014

### 2007 (6+3=Nine)

1. Kalyani R, Harendra Kumar ML. Plasma cell leukemia presenting as acute renal failure- A case report. Indian Journal of Pathology and Microbiology 2007; 50: 86-88.
2. Das S, Govindaraju G. Prevalence of HIV sero positivity in Blood donors of kolar. A 10 year study. Indian Medical Gazette 2007;22:164
3. Das S, BomanahalliBP. Bio- Terrorism: The New Challenge. Indian Medical Gazette –2007;27-30.
4. Das S, Kalyani R, Udaya Kumar M, Harendra Kumar ML. A varied presentation of Hydatid cyst – A report of 4 cases with review of literature. Indian journal of pathology and Microbiology 2007;50(3):550-552.
5. Das S, Bhat RV, Udaya Kumar M. Dermatopathic lymphadenitis –two case reports. Indian Medical Gazette 2007;5:212-214.
6. Kalyani.R, Bommanahalli BP, Harendra Kumar ML. Factors influencing semen analysis – A 2 year prospective study. Indian Journal of Pathology and Microbiology 2007; 50(4): 890-895
7. Rajani M, Prasad SR, Reddy RR, **Bhat RV**, Vimala KR. Postoperative infection of laproscopic surgery wound due mycobacterium chelonae. Indian Journal of Medical Microbiology 2007; 25 (2): 163-165.
8. Shivakumar.v. Rajendra Okade, Rajkumar.V, **Prathima.KM**. Familial Kyrle's disease-a case report International Journal of Dermatology 2007;46:700-771
9. K.N.Shashidhar, Mamatha Kunder, K.Anitha Shenoy, **A.Hemalatha**, A.V.M.Kutty, H.v.Shetty. Hypermagnesemia in diabetic end stage renal disease (ESRD) patients. Indian Journal of clinical Biochemistry 2007;22(2):164

### 2008 ( Twelve)

1. Das S, Kalyani R. Sclerosing Mucoepidermoid carcinoma with Eosinophilia of the thyroid – A case report. Indian Journal of Pathology and Microbiology 2008; 51(1):34-36.
2. Das S, Kalyani R, Lakshmi V, Harendra Kumar ML. Ovarian Pregnancy – A case Report Indian Journal of Pathology and Microbiology 2008;41(1):37-38.
3. Das S, Kalyani R. Hemophagocytic Syndrome. Indian Journal of Pathology and Microbiology 2008;51(1):125-126
4. Bhat RV, Rupnarayan R, Lakshman Kumar YC. Ectopic sebaceous Gland in the Esophagus: A Case Report and Review of Literature. The Saudi Journal of Gastroenterology. 2008;14 (2):83-94.
5. Vidyavathi.K, Harendra Kumar ML, Lakshmana Kumar YC. Correlation of endoscopic brush cytology with biopsy in diagnosis of upper gastrointestinal neoplasms. Indian Journal of Pathology and Microbiology 2008;51(4):489-492.
6. Das S, Ramkumar K, Rupnarayan R. Placental Site Trophoblastic Tumor – A Case Report. Indian Medical Gazette 2008;CXLII:367-9.

7. Das S, Kalyani R, Harendra Kumar ML. Eosinophils and Oral Cancers – A study of 100 Cases. Indian Medical Gazette 2008; CXLII: 348-53.
8. Das S, Kalyani R, Harendra Kumar ML. Vulval Schwannoma: A Cytological diagnosis Journal of Cytology 2008; 25: 108-110.
9. Aparna N, Harendra Kumar ML, Prasad CSBR. Anticoagulant induced artifacts in peripheral blood smears. Indian Journal Hematology, Blood Transfus 2008; 24(2):43-4.
10. Das S, Kalyani.R, Harendra Kumar ML. Cytodiagnosis of tumoral calcinosis. Journal of cytology 2008; 25:160-161.
11. Das S, GovindaRaju. Role of ethics in blood transfusion. Indian Medical Gazette 2008;142:247-49.
12. Das S, Harendra Kumar ML. Stem cells Prospects and pitfalls. Indian Medical Gazette 2008;142:35-38

### 2009 (8+2=Ten)

1. Suresh.TN, Harendra Kumar.ML, Prasad CSBR, Kalyani.R, Borappa.K. Malignant Peripheral Nerve Sheath Tumour with divergent differentiation – A case report. Ind J Pathol Microbiol 2009; 52(1): 74-76.
2. Das S, Kalyani R,.Harendra Kumar ML. Medullary Thyroid Carcinoma with Melanin Production – A Case Report. Indian Medical Gazette. 2009; CXLIII:116-118.
3. Vidyavathi K, Udaya Kumar M, Prasad CSBR, Harendra KumarmL. Glomus tumor mimicking eccrine spiradenoma on fine needle aspiration. Journal of cytology 2009;26:47-49.
4. Subhashis Das, Kalyani.R, M.L.Harendra Kumar. Significance of AgNOR Evaluation in Oral Carcinoma – A Morphometric Study .Indian Medical Gazette.2009; CXLIII: 221-225.
5. Kalyani R, Das S.Adenomatoid tumor: Cytological diagnosis of two cases – A Case report. Indian Journal of Cytology 2009;26:30-2.
6. Kalyani.R, Mandeep Singh Bindra, Subhashish Das, Hemalatha Mahansetty. Meckel Gruber Syndrome – A Case report. Indian Medical Gazette. 2009;CXLIII.330-2.
7. Vidyavathi.K, Kalyani.R, Harendra Kumar.ML Primary Actinomycosis of Breast – A Case Report. Indian Medical Gazette-Dec 2009; CXLIII:477-479.
8. Das S, Kalyani.R, Harendra Kumar ML. Pediatric Renal Autopsies – A Report of 3 Cases. Indian Medical Gazette 2009; CXLIII: 33-35.
9. Kulkarni DB, Shivashankar, **Udaya Kumar M**. Unique Case of Corrosive Acid Poisoning – A case report. Journal of Karnataka Medico – Legal Society. 2009;18: 24-26
10. Nagaraja M, Raghavendra Prasad BN, Lakshman Kumar YC, **Harendra Kumar ML, Prathima KM**. Malignant hypertension, dissection of aorta, cardiac tamponade and monoparesis – unusual presentation of Takayasu’s arteritis: Clinicopathological correlation. Int J Cardiol 2009;133: e114-e117.

### **2010 (13+1 =Fourteen)**

1. Kalyani R, Das S, Mandeep SB, Harendra Kumar.ML. Cancer Profile in the Department of Pathology of Sri Devaraj urs Medical College, Kolar:- A ten years study. Ind J Cancer 2010;47:160-5.
2. Hemalatha.A, Udaya Kumar.M, Suresh.T.N, Narayan Swamy.M. Intravenous Leiomyomatosis :A Silent Killer. JSAFOG. 2010;2:153-154.
3. Bhat RV, Prathima.KM, Harendra Kumar ML, Narayana GK. Plasmacytoma of tonsil diagnosed by fine-needle aspiration cytology. J Cytol 2010;27:102-103.
4. Basavaraj PB, Bhat RV, Rupnarayan R.A cell pattern approach to interpretation of fine needle aspiration cytology of thyroid lesions: cyto-histomorphological study.J Cytol 2010;27:127-132.
5. Aparna N, Kalyani R, Harendra Kumar ML, Madan M. Retroperitoneal cystic schwannoma: A case report with review of literature. J Cytol 2010;27: 136-9.
6. Aparna N, Shankar.A. Chorangioma (placental haemangioma) : A case report with review of literature. Indian medical gazette 2010; CXLIV:491-3.
7. Beere Gowda, Suresh.T.N, Kiran, Hemalatha.A Congenital leukemia in a newborn with down syndrome-A case report with review of literature. Natl J Basic Med Sciences 2010; 1:96-98.
8. Das S, Kalyani R, Harendra Kumar ML. Spectrum of childhood malignancies in Kolar District – A Ten year study. Indian Medical Gazette 2010; CXLIV: 457-62.
9. Manjula.K, Kadam Satyanarayana Rao, Chandrasekhar HR. Histomorphological study of degenerative changes in leiomyoma of myometrium. Natl J Basic Med Sciences 2010;1:70-75.
10. Aparna Narasimha, ML Harendra Kumar, R Kalyani, and M Madan. Retroperitoneal cystic schwannoma: A case report with review of literature. J Cytol. 2010 October; 27(4): 136–139.
11. Kalyani R, Das S, Kumar ML. Spectrum of gastro-intestinal cancers--a ten-year study. J Indian Med Assoc. 2010 Oct;108(10):659-62.
12. Das S, Kalyani P. Mucinous carcinoma of the male breast. J Can Res Ther 2010;6:590-1
13. Kalyani R, Das S, Kumar ML. Pattern of cancer in adolescent and young adults--a ten year study in India. Asian Pac J Cancer Prev. 2010;11(3):655-9.
14. K.Prabhakar. **R Kalyani**. Severe acute malaria – Recent concepts..Family medicine journal of india 2010;1(1):52-60

### **2011 (26+9=Thirty Five)**

1. Aparna N,Vasudeva DN. Spectrum of changes in placenta in toxemia of pregnancy. Ind J Pathol Microbiol 2011;54:15-20
2. Aparna N, Harendra Kumar ML. Significance of haematological scoring system in early diagnosis of neonatal sepsis.Indn J Hematol & Blood Tranfusion 2011;27(1):14-17
3. Prasad CSBR, Aparna N, Harendra Kumar ML. Exflagellate microgametes of – A rare feature of malaria. Indian J Hematol & Blood Tranfusion 2011;27:104-106

4. Prasad CSBR, Aparna N, Harendra Kumar ML. Negative staining of Mycobacteria – A clue to the diagnosis in cytological aspirates :Two case reports. *Annals Tropical Med Pubhealth* 2011;4:110-12.
5. Vidyavathi K, Harendra Kumar ML, Narayanaswamy M. Significance of Apoptosis in Endometrial hyperplasia and carcinoma. *J Clin Biomed Sci* 2011;1(1):8-12.
6. Aparna N, Harendra Kumar ML, Prasad CSBR, Rupnarayan.R. Significance of Apoptotic leucocytes in peripheral blood smears: A case control study. *J Clin Biomed Sci* 2011;1(2):55-63.
7. Harendra Kumar ML, , Aparna N, Prasad CSBR, Ravi Deo. Pulse granulomas in the parotid gland – A case report with review of literature. *J Clin Biomed Sci* 2011;1(1):25-9.
8. R Kalyani, MJ Thej, K Prabhakar, J Kiran. CLINICAL CASE REPORT BASED STUDY: Single dominant left coronary artery: An autopsy case report with review of literature. *Journal of Cardiovascular Disease Research*, Year 2011, Volume 2, Issue 2 [p. 130-132]. DOI: 10.4103/0975-3583.83038 PMID: 21814419
9. Kalyani R, Thej MJ, Prabhakar K, Kiran J. Right coronary artery originating from left circumflex artery: An unusual coronary anomaly at autopsy. *J Clin Biomed Sc* 2011;1(2):77-80.
10. Subhashish D, Harendra Kumar ML, Anand R. Bombay blood: A rare entity. *J Clin Biomed Sci* 2011;1(3):123-6.
11. Suresh TN, Hemalatha A, Harendra Kumar ML. Hodgkin's disease masquerading as granulomatous lymphadenitis on FNAC *J Clin Biomed Sci* 2011;1(3):127-30.
12. Prathima S, Kalyani R, Udaya Kumar M, Bhaskaran M. Primary Giant Splenic Hydatidosis. *Indian Medical Gazette* 2011; CXLV: 286-8.
13. Ramkumar K R, Shuba S, Bhat RV, Udayakumar M. Malignant carcinoid tumor presenting with chylous ascites and left supraclavicular lymphadenopathy. *Natl J Basic Med Sciences* 2011;1:239-41.
14. Manjula K, Kadam SR, Chandrasekhar HR. Variants of Leiomyoma: Histomorphological study of Tumors of Myometrium. *JSAFOG* 2011;3(2):89-92.
15. Manjula K, Prasad CSBR, Gayathri BN, Harendra Kumar ML. Cytomorphological study of Lateral Neck swellings. *JCDR* 2011;5(5):1016-1019
16. Gayathri BN, Kalyani R, Manjula K. Primary tuberculous parotitis. *J cytol* 2011;28:144-5.
17. Gayathri BN, Kalyani R, ML Harendra Kumar, Bhaskaran A. An unusual histomorphological presentation of Fibroadenoma. *Ind J cancer*. 2011;48:376-77.
18. Gayathri BN, Kalyani.R, Vidyavathi K. Squamous cell carcinoma arising in mature cystic teratoma of the ovary:A case report with review of literature. *JAFOG* 2011;3(3):135-7.
19. Aparna N, Vasavi B, Harendra Kumar ML, Sapna M. An audit of pap smear cytology. *JAFOG* 2011;3(3):121-4.
20. Gayathri BN, Kadam Satyanarayan Rao, Chatura KR. Reappraisal of Endometrial Stromal Sarcoma: Report of Four cases with review of Literature. *JSAFOG* 2011;3(2):57-59
21. Gayathri BN, Kadam Satyanarayan Rao. Pancytopenia : A Clinico Hematological Study. *J Lab Physicians* 2011;3:15-20.

22. Gayathri BN, Kalyani R, Harendra Kumar ML, Krishna Prasad. Fine Needle aspiration cytology of Hashimoto's thyroiditis – A diagnostic pitfall with review of literature. J Cytol 2011; 28: 210-13.
23. Hemalatha.A, Udaya Kumar M, Harendra Kumar ML. Fine Needle Aspiration Cytology of Lymph Nodes : A Mirror in the diagnosis of Spectrum of Lymphnode Lesions. J Clin Biomed Sci 2011;1:164-172.
24. Rupnarayan R. Birth of a new journal. J Clin Biomed Sci 2011;1(1):41.
25. Kalyani. R. Publish or Perish. J Clin Biomed Sci 2011;1(2):36-37.
26. Kalyani.R . Cervical cancer: Current concepts in etiopathogenesis, screening, diagnosis and preventive measures. Text book of family medicine 2nd Edition 2011, page No.890-904 US \$ 25
27. Umesh K, Raghu RP, Tomas MS, **Suresh TN**. Preoperative embolization of juvenile nasopharyngeal Angiofibroma. J Clin Biomed Sci 2011;1(1):30-32.
28. Shashidhar.K.N, Pareenta Pai, gopalakrishna Bhat, **Hemalatha.A**. Lipoprotein (1) and other Lipid profile in patients with Thrombotic stroke: Is it a Reliable Marker. Journal of Laboratory physicians 2011;3(3):28-32
29. Narayanaswamy.M, Bhaskaran.A, **Kalyani.R**, Yamini Agarwal. Anterior abdominal wall leiomyoma without antecedent pelvic surgery mimicking an ovarian tumour Journal of clinical and biomedical science 2011;1(2):74-76
30. Krishna shetty.M.V, **Udaya Kumar.M**, Sen.T.K. Priapism associated with niemann-pick disease in a 15 year-old boy Indian journal of urology July-sep 2011;27(3):410-412
31. Bhaskaran.A, **Kalyani.R**, Umesh.K, Jyotindra singh, Praveen.V. Anantha Raju.G.S Journal of clinical and biomedical science 2011;1(1):20-24 A rare primary malignant hydatid cyst of spleen
32. Harsha.B., Kodliwadmath, Bhaskaran.A, **Prasad CSBR**, Basavarajappa.M, Ambikavathy.M, Vasanth Kumar.G. Evaluation of modified Alvarado score in the diagnosis of acute appendicitis and its correlation with ultrasonography and histopathology Journal of clinical and biomedical sciences 2011;1(4):149-157
33. Bhaskaran.A, Vasanth Kumar.G, **Aparna Narasimha**, Ambikavathi.M, Basavarajappa.M. Extradural neurilemmoma of the lumbosacral region Journal of clinical and biomedical sciences 2011;1(4):183-187
34. Narayana Swamy.M, Manjunath RL, **Udaya Kumar.M**, **Kalyani.R**, Avinash Patil, Shobithe Jain. Primary Adenocarcinoma of the fallopian tube. Journal of South Asian Federation of obstetrics and gynaecology Jan-Apr 2011;3(1):36-37

### **2012 (25+14 = Thirty Nine)**

1. Thej MJ, Kalyani R, Kiran J. Is being Tall Cardio protective ? Correlation between Height and Atherosclerosis. An Autopsy study. J Clin Biomed Sci 2012;2 (1):31-29.
2. Vidyavathi.K, Prasad CSBR, Harendra Kumar ML, Deo RP. Pseudovascular adenoid squamous cell carcinoma of oral cavity: A mimicker of angiosarcoma. J Oral Maxillofacial Pathol 2012;16:288-290.
3. Vidyavathi.K, Udaya Kumar M, Suresh.TN Sreeramulu PN. Granulomatous Mastitis: A Cytological dilemma. J Cytol Histol 2012;3:2

4. Thej MJ, Kalyani R, Kiran J. Atherosclerosis in coronary artery and aorta in a semi-urban population by applying modified American Heart Association classification of atherosclerosis : An autopsy study. *Journal of Cardiovascular Disease Research* 2012 ;3(4):265-71. doi: 10.4103/0975-3583.102692
5. Kalyani R, Sheela S R, Rajini M. Cytological diagnosis of tuberculous cervicitis: A case report with review of literature. *J Cytol [serial online]* 2012 [cited 2014 Jan 18];29:86-8. Available from: <http://www.jcytol.org/text.asp?2012/29/1/86/93242>
6. Kalyani.R Thej MJ, Prabhakar K, Venkatesh TK, Thomas AK, Kiran.J. Morphometric analysis of tricuspid valve: An Indian Perspective. *J Nat Sc Biol Med* 2012;3:147-51.
7. Kalyani R, Thej MJ, Thomas AK, Raveesha A. Chronic Cold Agglutinin disease: A case report with review of literature. *J Clin Diag Res.* 2012 6(3):480-482.
8. Thomas AK, Udaya Kumar M, Suraksha B, Thej MJ, Maadhavi R, Harendra Kumar M L, Lakshmaiah V. Mean Platelet Volume in type 2 diabetes mellitus. *J Lab Phys* 2012;4:5-9.
9. Hemalatha A, Kalyani R, Shruthi PS, Udaya Kumar M Pitfalls in diagnosing specific subtypes of carcinoma breast on fine needle aspiration cytology: A report of two cases with review of literature. *J Can Res Ther* 2012;8:454-6
10. Vidyavathi Kannar, Harendra Kumar, Venigalla sunita. Evaluation of endometrium for Chronic Endometritis by Using Syndecan-1 in Abnormal Uterine Bleeding. *J Lab Physicians* 2012;4:69-73.
11. Hemalatha A, Kalyani R, Harendra Kumar ML, Manohar PV. Secondary Chondrosarcoma of the Lumbosacral Region : Are any Bones spared in multiple hereditary exostoses ? *J Clin Diag Re.* 2012;6:1778-1780.
12. Prathima S, Harendra Kumar ML. Mucin Profile of Upper Gastrointestinal Tract Lesions. *J Clin Biomed Sci* 2012;2(4):185-191
13. Das S, Harendra KumarML. Distribution of blood groups among the blood donors of Kolar. A 5 year study. *J Clin Biomed Sci* 2012: 2(1): 55
14. Subhashish Das. Blood Donors Deferral Pattern in A Rural Teaching Hospital. *National Journal of Laboratory Medicine [serial online]* 2012 July [cited: 2014 Jan 3]; 1:1-6. Available [http://njlm.jcdr.net/back\\_issues.asp?issn=22778551&year=2012&month=July&volume=1&issue=1&page=1-6&id=1936](http://njlm.jcdr.net/back_issues.asp?issn=22778551&year=2012&month=July&volume=1&issue=1&page=1-6&id=1936)
15. Subhashish Das,Harendra KumarML. Association of blood groups types to hepatitis B and Hepatitis C Virus infection among blood donors – A five years institute based study. *Int J Basic Appl Med Sciences.* 2012 ;2 : 191-195.
16. Das S, Kalyani R, Harendra KumarML. Breast Carcinoma Aspirates: A study on cytological grading. *Int J Basic Appl Med Sciences.* 2012 ;2:189-195.
17. Subhashish Das,Harendra KumarM. L. Co infection among volunteers blood donors. Implication of safe blood. *Indian Journal of Medical Case Reports.* 2012 ;1:44-46

18. Subhashish Das, Harendra Kumar M. L. Viral Hepatitides among the Blood Donors in Rural Based Hospital. One year study. *J Clin Diag Res* 2012;6: 619-622.
19. Aparna Narasimha , Harendra Kumar. Gastric Adenocarcinoma Deposits Presenting as Multiple Cutaneous Nodules: A Case Report with Review of Literature (Multipl Kutanöz Nodüllerle Kendini Gösteren Mide Adenokarsinomu). *Turkish J Pathol* 2012;28:83-86.
20. MJ Thej, R Kalyani, J Kiran. CLINICAL CASE REPORT BASED STUDY: Atherosclerosis and myocardial bridging: Not a benign combination. An autopsy case report. *Journal of Cardiovascular Disease Research*, Year 2012, Volume 3, Issue 2 [p. 176-178].DOI: 10.4103/0975-3583.95380
21. BN Gayathri, R Kalyani, A Hemalatha, and B Vasavi. Significance of micronucleus in cervical intraepithelial lesions and carcinoma. *J Cytol.*
22. Venkata Krisna, Shashi Rekha, Suresh TN, Jyothindert Singh. A rare case of perforated GIST of transverse Mesocolon with synchronous rectal carcinoma. *Int J Biomed Research* 2012;3:262-264
23. Suresh SP, Raju K, Nagaraju GB, Azeem Mohiyuddin S M, Shuaib M. Recurrent laryngeal leiomyoma. *J Laryngol Voice* 2012;2:95-7
24. Kalyani.R. Review Autopsy. *Journal of clinical & Biomedical Sciences* 2012;2(1):1-4
25. Prathima S, CSBR Prasad, Udayakumar M, Narayanaswamy M. An uneventful pregnancy and delivery in a patient with chronic myeloid leukemia. *Global Journal of Medicine and Public Health* 2012;1(4):59-60
26. Venkatachalapathy TS, **Das S**. A Review of Blood Transfusion Requests in RI Jalappa Hospital and Research Centre for Blood and Blood Components. *J Blood Disord Transfus* 3:119. doi:10.4172/2155-9864.1000119.
27. Ambikavathy M, Kumar S, Bhaskaran A, **Harendra Kumar ML**, Kishore Kumar BN. Transient ischaemic attack a diagnostic Dilemma – Carotid body tumour – A case report. *Int J Biol Med Res.*2012;3(3):2280-2283
28. Bhaskaran, Vijay A, Basavarajappa, **Suresh TN**, Vasanth Kumar. Desmoid tumor of Ant Abdominal wall. *J Clin Biomed Sci* 2012;2(2):90-93
29. Sreeramulu PN, Venkatachalapathy TS, **Prathima S**. A Case Report of Bilateral Tuberculosis of Breast. *J Clin Case Rep* 2:222. doi:10.4172/2165-7920.1000222 2012 Oct-Dec; 29(4): 236–240. doi: 10.4103/0970-9371.103941
30. Sreeramulu.P.N, Venkatachalapathy TS, **Prathima S**, Kishore Kumar. A prospective study of clinical, Sonological and pathological evaluation of thyroid nodule. *J Biosci Tech* 2012;3: 474-478
31. Vinaya Babu, **Prathima S**. Sinonasal mucormycosis *Int J Clinl Rhinol :An International Journal* 2012;5(1):25-27
32. Janusz Ry's, Joanna Wysocka, **Kalyani.R**. Clinical approach to well differentiated thyroid cancers 1st Published 2012. Page No:05-20

33. Shashidhar.B, B.N Kishore Kumar, R.Sheela, **R.Kalyani**, A.Anitha, Prem Sai Reddy. Twin reversed arterial perfusion (TRAP) Sequence (Acardius Amorphous) a case report and review of literature International journal of Biological & Medical Research 2012;3(1):1453-1455
34. Shashidhar.K.N, Prasad.P, Mohan K Kumar, Shankar.M, **Hemalatha.A**. Risk Factors and the biochemical Evaluation of Biliary Calculi in rural Kolar, Karnataka, India: A rural perspective of an Urban Disease Journal of Clinical and diagnostic research May (Suppl-1) 2012;6(3):364-368
35. Venkata Krishna.BR, Shashirekha.CA, Naveen TK, **Harendra Kumar.M.L**. A rare case of cystosarcoma phyllodes with pleural effusion: Mastectomy done under surface anaesthesia International Journal of biomedical research 2012;3(6):288-290
36. Ambikavathy.M, Mohan Kumar.K, Kumar.S, **Udaya Kumar M**, Iram Shaikh. Giant presacral-pelvic cystic schwannoma presenting as a right iliac fossa mass-megacolon in a poliomyelitis patient: a rare case report and review of literature International Journal of biological & Medical Research 2012;3(1):1442-1446
37. Gurcharan Singh, **Aparna Narasimha**, Harendra Kumar ML, Narendra Datti. Clear cell hidradenocarcinoma of the eyelid: A case report with a review of the literature International ophthalmology the international journal of clinical ophthalmology and visual sciences. Published online 07 Oct.2012
38. Bhaskaran A, Ambikavathi.M, **Kalyani.R**. Scar Endometriosis Presenting as chronic lower abdominal pain. A surgeon's Perspective Journal of Clinical & Biomedical Sciences 2012;2(4):192-195
39. Umesh Babu R, Krishna Kumar.B.R, **Harendra Kumar ML, Gayathri.BN**. Organophosphorus poisoning presenting as pulmonary thromboembolism. Medico-legal Updates Jan-Jun 2012;12(1):40-41

### 2013 (16+5=Twenty One)

1. Das S, Harendra Kumar ML. The Rh enigma prospects and pitfalls. Int J Basic and Med Sciences 2013;3:210-214
2. Chethana M, Harendra Kumar ML, Munikrishna M. Endometrial changes in uterine leiomyoma. J Clin Biomed Sci 2013;3(2):72-79
3. Das S. Safe transfusion practices challenges and Opportunities. J Clin Biomed Sci 2013;3(2):55-61
4. Aparna N, Harendra Kumar ML, Divya, Bhaskaran A. Pigmented Seborrheic keratosis. A case Report. J Clin Biomed Sci 2013;3(2):96-101
5. Gayathri BN, Dr Harendra Kumar ML, Gomathi M, Jeevan Shetty, Relationship between ABO blood groups and malaria with clinical outcome in rural areas of south India. Global Journal of Medicine and Public Health 2013;2:1-7
6. Sapna M, Rupnarayan R, Azeem Mohiyuddin SM. Efficacy of Toluidine Blue and Brush Biopsy in Oral Lesions. International Journal of Oral & Maxillofacial Pathology. 2013;4(1):02-08
7. Hemalatha A, Suresh TN, Harendra Kumar ML. Expression of vimentin in breast carcinoma its correlation with Ki67 and other histopathological parameters. Indian J Cancer. 2013 Jul-Sep;50(3):189-94. doi: 10.4103/0019-509X.118724.

8. Kalyani R., Aparna N, Harendra Kumar ML, Narayanaswamy S. Extraovarian Papillary Serous Carcinoma of the Peritoneum: A Report of Two cases with review of Literature. JSAFOG 2013;5:42-44
9. Haswani Lokesh, Kumar Harendra, Gupta Amit, Thej MJ, Thomas AK, Prasad CSBR. Automated ESR analyzer: can saline diluted EDTA blood be used instead of citrate diluted blood- a comparative study. International Journal of Medical and Applied Sciences 2013, 2(4):253-256.
10. Suresh TN, Harendra Kumar ML, Thomas A, Bhat R, Azeem M. Study of sentinel Lymph Node in Oral Squamous cell carcinoma. J Clin Biomed Sci 2013;3(3):146-49.
11. Narasimha A, Kalyani R, Kumar HM, Suresh T, Supreeth A. Giant chondroid syringoma with divergent differentiation: Cyto-histo-immuno correlation Int J Appl Basic Med Res. 2013 Jul;3(2):129-31. doi: 10.4103/2229-516X.117097.
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13. Narasimha A, Vasavi B, Harendra Kumar ML. Significance of nuclear morphometry in benign and malignant breast aspirates. Int J App Basic Med Res 2013;3:22-6.
14. Vidyavathi Kannar, Kalyani.Prabhakar, Shalini SS. Cartilaginous choristoma of tonsil:A hidden clinical entity. Journal of oral and Maxillofacial pathology May-Aug 2013;17(2):292-293
15. Lee Jun Kai, Kalyani Raju\*, Harendra Kumar Malligere Lingaiah, Narayanaswamy Mariyappa. Significance of Blood Group and Social Factors in Carcinoma Cervix in a Semi-Urban Population in India. Asian Pacific Journal of Cancer Prevention 2013; 14 (8), 4811-4814
16. Ambikavathy M, Bhaskaran A,S.Kumar, **Udaya Kumar M**, Sathiadev. Nontraumatic ileal perforation: Surgical experience in rural population in Indian scenario International Journal of biomedical and advanced research 2013;4(1):47-55
17. Shashirekha CA, Krishnaprasad.K, Anand Raju GS, **Harendra Kumar.ML**. Abdominal tuberculosis with synchronous colon carcinoma International journal of biomedical and advanced research 2013;4(2):143-145.
18. Shashirekha CA,Nagaraj K.N, Vijay.P Agarval, **Harendra Kumar ML**.A rare case of retroperitoneal leiomyosarcoma with gastrointestinal tumor of rectum. International Journal of biomedical research 2013;4(5):230-232.
19. K.Mohan Kumar, Azeem M,K.Nischal, N.Prathiba, **Kalyani.R**. Vascular malformations of the parotid region-review of literature and case report International journal of biomedical and advanced research 2013;04(7):1-3
20. Ambikavathy M, Mohan Kumar K, **Harendra Kumar ML**, Kumar S. Testicular Seminoma: early Cutaneous and Inguinal node metastasis. Clinically isolated case in a subject over 75 years. J Clin Biomed Sci 2013;3:102-104
21. Vidyavathi. Chronic pyelonephritis with papillary renal cell carcinoma. J Clin Biomed Sci 2013;3:101,105

**2014 (Two)**

1. Aparna N, Rekha PR, Prasad CSBR, Sangeetha. Tongue (Lingual) Abscess: Two case Reports with Review of Literature. Oral Maxillofacial Pathology Journal.2014;5:456-458.
2. Prathima S, Kalyani R, Parimala. Primary tubercular mastitis masquerading as malignancy. Journal of Natural Science of Biology and Medicine 2014;5:174-176.

**COMPLETED RESEARCH PROJECTS**

<b>Sl. No</b>	<b>Title</b>	<b>Authors</b>	<b>Presentation</b>	<b>Publications</b>
1	A cell pattern approach for interpretation of thyroid aspiration cytology	Dr.Basavaraj PB Dr.Ramachandra.V.Bhat Dr.Prathima KM Dr.R.Rupnarayan	-	Journal of Cytology 2010; 27:127-132.
2	Significance of tumour eosinophilia and blood eosinophilia in oral cancers	Dr.Subhashish Das Dr.Kalyani.R Dr.M.L.Harendra Kumar	-	Indian Medical Gazette 2008; CXLII.NO.9. 348-53.
3	Histological parameters and Occurrence of Cervical lymph node metastasis in oral Squamous cell Carcinoma	Dr.Prathima.S Dr.Ramachandra.V Bhat Dr.M.L.Harendra Kumar	Presented at APCON 2006 NIMHANS, Bangalore	-
4	Anticoagulant Induced artifacts in Peripheral Blood Smear	Dr.Aparna Narashimha Dr.M.L.Harendra Kumar Dr.CSBR.Prasad	-	Indian Journal Hematology & Blood Transfus 2008;24(2):43-44-
5	Patterns of cancer at Kolar – A 10- year retrospective study	Dr.Kalyani.R Dr.S.Das Dr.Mandeep.S.Bindra Dr.M.L.Harendra Kumar	-	Indian Journal of Cancer 2010;47(2):160-5.
6	Significance of Apoptotic Leucocytes in Peripheral Blood smear – Case control study	Dr.M.L.Harendra Kumar Dr.Aparna Narashimha Dr.R.Rupnarayan Dr.CSBR.Prasad	-	J Clin Biomed Sci 2011;1(2):55-63.
7	Ag NOR Evaluation in oral lesions	Dr.Shubashis Das Dr.Kalyani.R Dr.M.L.Harendra Kumar	-	Indian Medical Gazette 2009:221-225
8	Significance of Hematological Scoring system in early diagnosis of neonatal sepsis.	Dr.Aparna Narasimha, Dr.M.L.Harendra Kumar Dr.CSBR.Prasad	-	Indian J Hematol & Blood Transfusion 2011;27(2):104-106
9	Spectrum of gastrointestinal malignancies at Sri Devaraj Urs Medical College, Kolar – at 10 years retrospective study	Dr.Kalyani.R Dr.S.Das Dr.M.L.Harendra Kumar	-	Journal of Indian Medical Association 2010;108(10):659-662

10	Apoptosis in Peripheral blood neutrophils in patients with active tuberculosis – A case control study	Dr.Aparna Narasimha Dr.M.L.Harendra Kumar Dr.CSBR.Prasad	Presented in KCIAPM 2009	-
11	Seroprevalance of HIV infected blood donors at Kolar – 10 years study	Dr.S.Das Dr.Govindha Raj.R Dr.M.L.Harendra Kumar	-	Indian Medical Gazette 2007;22:164
12	Cancer profile in young and adolescence	Dr.Kalyani.R Dr.S.Das Dr.M.L.Harendra Kumar	-	Asian pacific journal of cancer prevention 2010;11:655-659
13	Cancer profile in young and adolescence	Dr.Kalyani.R Dr.S.Das Dr.M.L.Harendra Kumar	.	Indian Medical gazette 2010;CXLIV:457-62
14	Role of mucin histochemistry in upper Gastro intestinal lesions	Dr.Prathima.S Dr.Ramkumar.R Dr.Harendra Kumar.M.L Dr.Lakshman Kumar	Presented in KCIAPM 2009 at JSS Medical College	Journal of Clinical & Biomedical Sciences 2012;2:185-191
15	Prevalence of HIV and HBsAg co infection amongst blood donors of Kolar	Dr.S.Das Dr.M.L.Harendra Kumar Dr.V.Lakshmaiah	-	National Journal of medical case report 2012
16	Significance of assessment of mast cell density and micro vessels density by combined immunohistochemical and histochemical methods in cutaneous malignancies	Dr.Aparna Narasimha Dr.CSBR.Prasad Dr.M.L.Harendra Kumar	Presented at International Dermatopathology Symposium 2010.	-
17	An audit of Pap smear cytology	Dr.Aparna Narasimha Dr.M.L.Harendra Kumar Dr.Vasavi.B. Dr.Sapna.	59th IAPM annual national conference 9 <sup>th</sup> -12 <sup>th</sup> Dec-2009 at Hyderabad	JAFOG Sep-dec 2011;3(3):121-4
18	Apoptosis in proliferative, hyperplastic and malignant endometrium – A light microscopic study	Dr.Vidyavathi.k Dr.M.L.Harendra Kumar Dr.Narayanaswamy	59th IAPM annual national conference 9 <sup>th</sup> -12 <sup>th</sup> Dec-2009 at Hyderabad	J Clinical & Biomedical Sciences 2011;1(1):8-12.(Jan –Mar)
19	Study of sentinel lymphnode in oral Squamous cell carcinoma	Dr.T.N.Suresh Dr.M.L.Harendra Kumar Dr.Thomas.A.K Dr.Azeem M	59 <sup>th</sup> Annual conference of IAPM Hyderabad Dec 2010	Sent for Publication to Journal of Clinical & Biomedical Sciences

20	Cytomorphological study of Lateral Neck swellings	Dr.Manjula.K Dr.CSBR.Prasad Dr.Gayathri.B.N Dr.Harendra Kumar.M.L	-	Journal of clinical and diagnostic research, Oct 2011;5(5):1016-1019
21	Role of lipid profile in carcinoma cervix	Dr. Kalyani R Dr. Shruthi P.S Dr. Narayanaswamy M Dr. Sumathi ME	Presented in KCIAPM 2011, held at Kolar	Sent for Publication
22	Morphometric analysis of tricuspid valve – An autopsy study	Dr.Kalyani R Dr.Thej MJ Dr.Prabhakar K Dr Venkatesh Dr.Thomas A Kodiatte Dr. Kiran J	-	Nat Sc Biol Med 2012;3:147-51.
23	Estimation of micronuclei in pap smears	Dr. Gayathri BN Dr.Kalyani R Dr. Hemalatha A Dr. Vasavi B	KCIAPM 2012	Journal of Cytology. 2012 Oct-Dec; 29(4): 236–240.
24	Association of ABO blood groups with malaria	Dr. Gayathri B N Dr.Harendra Kumar.M.L. Dr.Gomathi. Dr.Jeevan shetty Dr.Reetesh	-	Global Journal of Medicine and Public Health 2013;2:1-7
25	Mean platelet volume in type 2 DM	Dr.Thomas Alex Kodiatte Dr.Udaya Kumar.M Dr.Suraksha Rao Dr.Thej.M.J Dr.Madavi Reddy Dr.Harendra Kumar.M.L	-	Journal Laboratory physicians : Jan-Jun 2012/Vol4/issue-1:5-9.
26	Correlation of endoscopic brush cytology with biopsy in diagnosis of upper gastrointestinal neoplasms.	Dr.Vidyavathi.K, Dr Harendra Kumar ML, Dr. Lakshmana Kumar YC.	-	Indian Journal of Pathology and Microbiology 2008;51(4):489-492.
27	Anemia in diabetes mellitus – Correlation with microalbuminuria	Dr.Suraksha Rao.B Dr.Udaya Kumar.M Dr.Madhavi Reddy Dr.Thej.M.J Dr.Thomas Alex Kodiatte	Presented in KCIAPM 2011	-
28	Relationship between insulin resistance and hematological parameters in a semiurban population	Dr.Suraksha Rao Dr.Udaya Kumar.M Dr.Madhavi Reddy Dr.Thomas Alex kodiatte Dr.Rupnarayan Dr.Lakshmaiah.V	APCON 2012, Patiala	-
29	Cytomorphological study of fluid aspiration, comparison between commotional smears and cell blocks.	Dr.Vasavi.B Dr.Udaya Kumar.M Dr.CSBR.Prasad Dr.Harendra Kumar.M.L	Presented in CYTOCON 2011	-
30	Correlation of white blood cell count with laboratory parameters in type 2	Dr.Udaya Kumar.M Dr.Thomas Alex Kodiatte Dr.Suraksha Rao	APCON 2012, Patiala	-

	diabetes mellitus.	Dr.Thej.M.J Dr.Madhavi Reddy Dr.Lakshmaiah		
31	Significance of nuclear morphometry and angiogenesis in evaluation of prostate cancer.	Dr.Aparna Narasimha Dr.Harendra Kumar.M.L Dr.HemalathaA	Presented in KCIAPM 2011	-
32	Association of eosinophilia with cardiovascular risk factors in patients with type 2 diabetes.	Dr.Vasavi.B Dr.Aparna Narasimha Dr.Madhavi Reddy Dr.Harendra Kumar.m.L. Dr.Udaya Kumar.M Dr.Lakshmaiah	Presented in 16th European Haematology association congress held in Taj Hotel Bangalore, 4-6th Nov 2011	-
33	Study of atherosclerosis in rural India using modified American heart association classification with specific reference to young adults	Dr.Thej.M.J Dr.Kalyani.R. Dr.Kiran.J		Journal of Cardiovascular research 2012 :3 ; 265-271
34	Atherosclerosis and height : A correlative study	Dr.Thej.M.J Dr.Kalyani.R Dr.Kiran.J	.	J Clin Biomed Sci 2012;2 (1)29 -31
35	Role of mast cell in abortions	Dr.Gomathi Dr.Aparna Narasimha Dr.Harendra Kumar.M.L	International CME in Pathology 2-4th Feb 2012. Held at GOA Medical college, GOA.	-
36	Significance of nuclear morphometry in benign and malignant breast aspirates	Dr.Aparna Narasimha Dr.Vasavi Dr.Harendra Kumar	International CME in Pathology 2-4th Feb 2012. Held at GOA Medical college, GOA.	-
37	Occurrence of micronuclei in breast Aspirates	Dr.Hemalatha.A Dr.T.N.Suresh Dr.Harednra Kumar.M.L	International CME in Pathology 2-4th Feb 2012. GOA Medical college, GOA.	Accepted in Journal of Cancer and Research Therapeutics
38	Pre –donation deferral amongst the voluntary blood donors	Dr.Subhashis Das Dr.Harendra Kumar.M.L	-	National Journal of Laboratory Medicine 2012; 1:1-6.

39	Tubercular lymphadenitis – correlation between bacillary load and patterns	Dr.Hemalatha.A Dr.Shruthi Dr.Udaya Kumar.M Dr.Baskaran	-	Accepted in Annals of Medical Health and Research
40	Distribution of ABO blood groups in cancer patient at tertiary care hospital in kolar	Dr.Thej.J Dr.Lokesh Dr.Akilesh Dr.T.N.Suresh Dr.Harendra Kumar	Presented in KCIAPM 2012, held at Nimhans, Bangalore	-
41	Clinicopathological profile of head and neck malignancy at tertiary health centre in Kolar	Dr.Rizwan Dr.T.N.Suresh Dr.Harendra Kumar.M.L Dr.Azeem	Presented in KCIAPM 2012, held at Nimhans, Bangalore	Sent for Publication
42	Comparison of ESR value using EDTA diluted blood sample vacutainer and citrate blood vacutainer using automated ESR machine.	Dr.Lokesh Haswani Dr.Udaya Kumar.M Dr.Thej.M.J Dr.Thomas.A.K Dr.M.L.Harendra Kumar	-	International Journal of Medical and Applied Sciences 2013, 2(4):253-256.
43	Spectrum of liver changes - at autopsy	Dr.Gayathri.B.N Dr.Kalyani.R Dr.Umesh Balu Dr.Harendra Kumar	Presented in KCIAPM 2012, Bangalore	-
44	Significance of erythrocyte aggregation test in acute MI.	Dr.Deepthi. Dr.Aparna Narasimha Dr.Harendra Kumar.M.L Dr.Anand kumar.D.R		Sent to International <b>Journal</b> of Applied and Basic Medical Research
45	Significance of cytomorphometry in evaluating pre-malignant from malignant lesions in cervical smears.	Dr.Divya Rani Dr.Aparna Narasimha Dr.Harendra Kumar.M.L Dr.Sheela.S.R	Presented in KCIAPM 2012	-
46	A prospective study of clinical, Sonological and pathological evaluation of thyroid nodule	Dr.Sreeramulu P.N Dr.Venkatachalapathy.T.S Dr.Prathima.S Dr.Kishore kumar	-	J Biosci Tech, Vol3 (1), 2012, 474-478
47	FNAC in pediatric lesions with special reference to pediatric tumors	Dr.Prathima.S Dr.Suresh.T.N Dr.Harendra Kumar.M.L Dr.Krishnappa.J	Presented in KCIAPM 2012, held at BMC, Bangalore	Accepted in Annals of Medical Health and Research
48	Cytomorphological pitfalls in diagnosis of histological variant of breast carcinoma on FNAC	Dr.Hemalatha.A, Dr.Kalyani.R Dr.Shruthi.P.S Dr.Udaya Kumar.M	CYTOCON – 2011 National level cytology conference held at Dharwad 10 <sup>th</sup> 13 <sup>th</sup> Nov 2011	Journal of cancer research and Therapeutics 2012;8:454-6

49	Evaluation of tissue eosinophilia in oral Squamous cell Carcinoma.	Dr.T.N.Suresh Dr.Rizwan Dr.Hemalatha.A Dr.Harendra Kumar.M.L. Dr.Azeem.M	International CME in Pathology Histopathology and Cytopathology at Gao Medical College, GOA. ON 7th, 8th & 9th Feb 2013	-
50	Correlation of blood group with ER, PR status in patients with breast cancer.	Dr.Lokesh Dr.T.N.Suresh Dr.Hemalatha.A Dr.Harendra Kumar.M.L. Dr.Bhaskaran.A	International CME in Pathology Histopathology and Cytopathology at Gao Medical College, GOA. ON 7th, 8th & 9th Feb 2013	-
51	Adverse events in blood donors – An Institutional experience	Dr Chaitra Dr Das	Presented at Transmedcon 2013, 2 <sup>nd</sup> National Conference of ISTM	-
52	Bacterial contamination of platelets – a prospective institutional study	Dr Subhashish Das		Sent for Publication
53	Spectrum of bone marrow aspiration: Indications, findings and diagnostic value in tertiary care hospital	Dr Priya T Rajan	Presented at KCIAPM 2013	-
54	Distribution of ABO blood groups in cancer patient at tertiary care hospital in kolar	Dr.Thej.J Dr.Lokesh Dr.Akilesh Dr.T.N.Suresh Dr.Harendra Kumar	Presented 39TH KCIAPM, BMC Bangalore 2012	-
55	Clinicopathological profile of head and neck malignancy at tertiary health centre in Kolar	Dr.Rizwan Dr.T.N.Suresh Dr.Harendra Kumar.M.L Dr.Azeem	39TH KCIAPM, BMC Bangalore 2012	-
56	Fine needle Aspiration of Lymph nodes A mirror in the diagnosis of spectrum of lymph node lesions	Dr Hemalatha.A DrUdaya Kumar M.L Dr Harendra Kumar M.L	-	Journal of Clinical and Biomedical Sciences 2011;1(4):164-172
57	Spectrum of Thyroid Lesions in Paediatric age group – A ten years	Dr Shubham Dr CSBR Prasad	Presented in 40 <sup>th</sup> KCIAPM 2013, Bijapur	-

	retrospective study.			
58	Histomorphological patterns of colorectal cancer in a tertiary care center	Dr Sharitha Dr Vidyavathy.K Dr Harendra KumarML	Presented in 41 <sup>st</sup> KCIAPM 2013, Bijapur	-
59	Cytomorphological study of breast lesions with histological correlation.	Dr.Udaya Kumar.M, Dr.Supriya Kokanay, Dr.Harendra Kumar.M.L	Cytocon 2011, Dharwad	-

### UG PROJECTS

Sl.No	Title of Project	Authors	Status
1	Significance of Blood Group and Social Factors in Carcinoma Cervix in a Semi-Urban Population in India	Lee Kun Kai Dr Kalyani Dr Shruthi P S	Asian Pacific Journal of Cancer Prevention 2013; 14 (8), 4811-4814
2	Histomorphological study of gastro intestinal neoplasm at tertiary health centre in kolar	Ms.Madhumitha Ms.Ashily Koshy Dr.T.N.Suresh Dr.Prathima.S Dr.Harendra Kumar	Presented at 5 <sup>th</sup> Medicon Conference Sevagram Maharashtra July2012
3	Spectrum of Infections in cervico-vaginal pap smears. A teaching hospital study.	Mr Nirup Ms.Chandana Mr.Nishanth Dr. Aparna N Dr Harendra Kumar ML	
4	Clinicopathological study of Thyroid Lesions	Dayang Puteri Amalina Binti Amang Omar Mr Gavin Yaap Han Yong Dr Prathima S Dr Suresh T N Dr Shashidhar K N Dr Harendra Kumar M L	On going
5	Routine use of ZN stain identify cases of TB presenting as abscess in cytological specimen	Miss Gebriella Das Dr.CSBR.prasad	Presented in UGCON, Mysore 2013
6	Significance of Urine Sediment in the Era of ten parameter dip stick	Pranay Kumar Dr CSBR Prasad Dr Harendra Kumar ML	Ongoing
7	Carcinoma Cervix – Lipid Profile and Histopathological Grading – A Rural Hospital Study.	Deepti Dr Hemalatha.A Dr Shashidhar K.N Dr Narayan Swamy	Ongoing
8	Specific Gravity of Urine in patients on dialysis	Ms Rachitha S Dr Udaya Kumar M Dr Raghavendra Prasad B N Dr Krishna Murthy N	

9	Utility of Micro ESR and Hematological Scoring system in the detection of neonatal sepsis – A comparative Study	Dr CSBR Prasad	Ongoing
10	Is clotting time necessary as a preoperative test	Dr Sushma Dr CSBR Prasad	Ongoing
11	Carcinoma cervix – Lipid Profile and histopathological grading – A rural hospital study	Ms Deepthi R Dr Hemalatha.A Dr Shashidhar KN Dr Narayana Swamy Dr Harish R	

### ONGOING RESEARCH PROJECTS

Sl.No	Title of project	Authors	Ongoing
1	Impact of Bethesda system of reporting thyroid cytopathology. Does it improve the cytological diagnosis?	Dr Prathima.S, Dr Suresh T.N Dr Prasad CSBR, Dr Bhaskar A Dr Harendra Kumar M.L	Ongoing
2	Utility of elastic stain in detecting venous invasion in colorectal cancers	Dr Sharitha Dr Vidyavathi.K	Ongoing
3	Shelf life of platelets prospects and pitfalls	Dr.Subhashish Das Dr Harendra Kumar	Ongoing
4	Comparison of different strengths of decolourisers in Zeihl nelson stain for detecting M.leprae	Dr Shilpa Dr CSBR Prasad Dr Rajashekar Dr Harendra Kumar ML	Ongoing
5	Acid fast staining for detecting M.leprae. Should we use weak decolourizer	Dr Shilpa Dr CSBR Prasad Dr Rajashekar Dr Harendra Kumar ML	Ongoing
6	Significance of platelet Indices in Pre Eclampsia	Dr Shilpa Dr Yashaswini Dr Pushpa Kotur Dr Harendra Kumar ML	Ongoing
7	Histomorphological patterns of Gall Bladder Pathology at autopsy in general hospital	Dr Gayathri	Ongoing

8	Cytomorphological analysis and usefulness of PAS in evaluation of oral mucosal epithelium in type II Diabetes Mellitus in Exfoliative Cytology	Dr Gayathri Dr Harendra Kumar M.L	Ongoing
9	Significance of Mast cells and bacillary index of granuloma in leprosy: A study using a single stain – modified Zeihl Neelsen stain	Dr Shilpa G Dr Veena R Dr Prasad CSBR Dr Rajashekar T S Dr Harendra Kumar M L	Ongoing

**Submitted for Publication in 2013**

1. Suresh TN, Hemalatha A, Harendra Kumar ML, Azeem M. Evaluation of histopathological and immunohistochemical parameters as biomarkers in cervical lymphnode metastasis. Journal of Cancer research and therapeutics
2. Gayathri, Kalyani, Nararayan Swamy, Udaya Kumar. Congenital uterine anomalies. An incidental diagnosis report of 2 cases. Journal of South Asian federation of obstetrics and Gynecology
3. Deepthi A, Aparna N, Harendra Kumar ML, Anand Kumar DR. Significance of erythrocyte aggregation in Acute MI. International Journal of Applied and Basic Medical Research
4. Prathima S, Vidyavathi K, Harendra Kumar ML, Bhaskaran A. Trichelemmal carcinoma presenting as cutaneous horn. Sent to Clinical cancer Investigation Journal.
5. Divya Rani MN, Aparna M, Harendra Kumar ML, Narayana Swamy. Evaluation of premalignant and malignant lesions in cervicovaginal smears by nucleomorphometry. JSAFOG.
6. Rizwan J, Suresh TN, Harendra Kumar ML, Azeem M, Sagairaj. Clinicopathological study of Head and Neck Cancers in South India. Annals of Medical Health and Research
7. Vishal, Chandrakala S, Suresh T.N, Sheetal K, Harshitha. Long standing rhinolithiasis mimicking as fungal sinusitis.
8. Shruthi PS, Kalyani. Clinicopathological correlation of carcinoma cervix. Asian Journal of pathology
9. Kalyani R, Prabhakar K, Gopinath B, Sheik Naseer B, Krishnamurthy DS to Multiple Hereditary Exostoses in a Family for Three Generation of Indian Origin with Review of Literature. Journal of Clinical and diagnostic research
10. Vidyavathi, Deepthi.A, Harendra Kumar.M.L, Krishnappa, Narayanaswamy Effects of gestational age, prematurity and birth asphyxia on platelet indices of neonates . Journal of Clinical Neonatology
11. Vidyavathi. Cytological diagnosis of Kikuchis Fujimotos disease. A case Report with review of literature. International Journal of Head and Neck Surgery

### **Accepted for Publication in 2013**

1. Hemalatha A, Suresh TN, Harendra Kumar ML. Micronuclei in Breast aspirates. Is scoring them helpful? Accepted in Journal of Cancer Research and Therapeutics.
2. Lokesh, Harendra Kumar, Kiran. Right-Coronary myocardial bridging left coronary dominance and high take off coronary artery. Accepted in J Clin Diag Res
3. Gayathri BN. Kalyani.R, Harendra Kumar ML. Azeem M.FNAC of epithelioid Myo epithelioma of parotid gland – A diagnostic pit fall. Journal of oral and maxillofacial pathology
4. Hemalatha A, Shruti PS, Udaya Kumar M, Bhaskaran A Cytomorphological Patterns of Tubercular Lymphadenitis Revisited.. Accepted in Annals of Medical and Health science research.
5. Prathima, Suresh TN, Harendra Kumar, Krishnappa J. FNAC in paediatric age group with special reference to paediatric tumor. Accepted in Annals of Medical Health and Research.
6. Gayathri. Papillary carcinoma in 5 year old child. Indian journal of Surgical oncology.
7. Kalyani R. Twin reversal arterial perfusion syndrome (TRAP). Accepted in Journal of Clinical and diagnostic research
8. Kalyani R. Sinonasal carcinoma - a report of two cases. Accepted in Journal of Clinical and diagnostic research
9. Gayathri BN, Suresh TN, Harendra Kumar ML.Chondrosarcoma of the young. Indian Journal of Cancer.

### **Conferences and CME's Conducted**

#### **CME CONDUCTED**

<b>Sl.No</b>	<b>Date</b>	<b>Title</b>
1	27.11.2005	CME on "HEMOPHILIA"
2	26.07.2006	CME on Clinical Utilities of Blood and Blood Components
3	21.05. 2008	CME on "Stem cell & Regenerative Medicine"
4	05.06 2009	CME on "Spectrum of Lymph Node Lesions"-
5	28.08.2009	CME on "Modern Transfusion Practices"
6	30.07.2010	CME on "Liver Pathology & Role of PCR in Sarcomas"
7	09.09 2011	KCIAPM CME on Urogenital Pathology
8	05.04.2013	CME on Update on Diagnostic Cytology

## CONFERENCES CONDUCTED

Sl.No	Date	Title
1	September 1999	26 <sup>th</sup> Karnataka Chapter Indian Association of Pathologist and Microbiologists Conference
1	10 <sup>th</sup> , 11 <sup>th</sup> September 2011	38 <sup>th</sup> Karnataka Chapter Indian Association of Pathologist and Microbiologists Conference

## Details of Prizes and Awards

### Faculty achievements

Best Department of Sri Devaraj Urs Medical College for the academic year 2012 – 2013			
Sl No	Place	Staff	College
1.	Received FICP (fellow of Indian college of pathologists) on 18.10.2009.	Dr Kalyani.R	18.10.2009.
2	Honorary profession ship from Indian Medical Association college of general practitioners on	Dr Kalyani.R	04.10.2009
3	2 <sup>nd</sup> prize	Dr.CSBR Prasad	National online quiz competition held at 59th APCON Annual Conference of Indian association of pathologists and Microbiologists at Hyderabad in December 2010.
4	Fellow of Indian college of Pathologists award	Dr.M.L Harendra Kumar	60th APCON Annual Conference of Indian association of pathologists and Microbiologists at Patiala in Dec 2011.
5	2 <sup>nd</sup> prize	Dr Hemalatha A	oral paper presentation at 38th annual KCIAPM state conference held at SDUMC, Kolar
6	2 <sup>nd</sup> prize	Dr.Hemalatha.A,	Oral paper presentation held at International CME in Pathology, 2nd to 4th Feb 2012 at Goa Medical College, Goa.
7	3 <sup>rd</sup> prize	Dr.Aparna Narasinha	Oral paper presentation held at International CME in Pathology, 2nd to 4th Feb 2012 at Goa Medical College, Goa.
8	2nd prize	Dr Suresh T.N	oral paper presentation International CME in Pathology Histopathology and Cytopathology at Goa Medical College, GOA. ON 7th, 8th & 9th Feb 2013

9	1 <sup>st</sup> Prize	Dr Harendra Kumar M.L	Best Teacher Award, Sri Devaraj Urs Medical College, For the year 2012-13
10	1st prize	Dr Suresh T.N	group project presentation course on Health Research and Methods and Evidence based Medicine 18th to 23rd November 2013 held at St Johns Medical College and Research Center (NIH – Centre of Excellence) and PHRI, McMaster University, Canada

### Post Graduates achievements

SI No	Place	Post graduates	College
1	2 <sup>nd</sup> Prize 3 <sup>rd</sup> Prize	Dr.Chethana Mannum Dr.Supriya.R.Kokanay	Quiz on Pulmonary pathology at Commando hospital, Bangalore, Dec 2009
2	2 <sup>nd</sup> prize	Dr.Supriya.R.Kokanay	Pathology Quiz at Bangalore Medical college, Bangalore – 2010
3	1 <sup>st</sup> prize	Dr.Supriya.R.Kokanay &Dr.Sapna.M	RNTCP quiz conducted by Sri Devaraj Urs Medical college, Kolar – 2010
4	1 Prize	Dr.Supriya.R.Kokanay &Dr.Sapna.M	Pathology quiz competition at KCIAPM state conference – Oct 2010
5	2 <sup>nd</sup> Prize	Dr.Thej.M.J Dr.Thomas.A.K	Pathology quiz conducted by Narayana Hrudalaya – Feb 2011
6	3 <sup>rd</sup> Prize	Dr.Vasavi.B.N Dr.Suraksha.Rao	Pathology quiz conducted by Narayana Hrudalaya – Feb 2011
7	3 <sup>rd</sup> place	Dr.Thej.M.J Dr.Thomas.A.K Dr.Vasavi B	National hematology quiz competition on 30 <sup>th</sup> August – at Narayana Hrudalaya
8	2 <sup>nd</sup> best presenter	Dr. Thomas AK	KCIAPM slide seminar on renal pathology at MSRMC, Bangalore
9	2 <sup>nd</sup> prize –oral paper presentation	Dr. Suraksha B Rao	38 <sup>th</sup> KCIAPM annual state conference at SDUMC, Kolar
10	1 <sup>st</sup> prize – poster presentation	Dr. Vasavi B	CYTOCON 2011, National cytology conference at SDM,Dharwad
11	2 <sup>nd</sup> prize –	Dr.Rizwan Javed	CYTOCON 2011, National cytology conference at

	poster presentation		SDM,Dharwad
12	1 <sup>st</sup> prize	Dr.Thej J & Dr.Thomas A.K	State Level Pathology quiz competition by KCIAPM in 2012 at MVJ medical college, Bangalore
13	3 <sup>rd</sup> prize	Dr Rizwan Javed	Transmedcon held by Indian society of transfusion Medicine at Bangalore, Sept 2013

- Dr.M.L Harendra Kumar was elected as vice –president of Karnataka Chapter Indian association of Pathologists and Microbiologists. From 11th Sept 2011 to 9th Sept 2012.
- Dr.M.L Harendra Kumar received fellow of Indian college of Pathologists award at 60th APCON Annual Conference of Indian association of pathologists and Microbiologists at Patiala in Dec 2011.
- Dr.R Kalyani was invited guest speaker at Yangzhan medreal development forum organized by EPS global organization at Yanghan, China on 18th April 2011 on Cancer pattern in adolescents and young adults.
- Dr.Kalyani.R. is Executive editor for scientific journal of Sri Devaraj Urs Academy of Higher Education and Research since 2010, titled “Journal of clinical and biomedical sciences”, a peer reviewed quarterly journal. First, second, third and fourth issue 2011 and first issue of 2012 is published
- Dr.Kalyani.R. was Chief Editor of the book titled “Current Concepts in Pathology – 2011” published by Sri Devaraj Urs Academy of Higher Education & Research, Kolar, India.2011.
- Dr.Kalyani.R was Honored as Fellow in International Medical Sciences Academy (FIMSA) in October 2011 at International conference of IMSA organized at Hyderabad
- Dr.M.L.Harendra Kumar is elected President of Karnataka Chapter of Indian Association of Pathologists and Microbiologists (KCIAPM) from 8<sup>th</sup> Sept 2013 to till date.

### Post Graduate Disseratations (Last Five Years)

Sl.No	Name of the Postgraduate	Title of Dissertatation Topic
1	Dr.Thomas Alex Kodiatte	Spectrum of lesions in Lung autopies
2	Thej Mothakapalli Jagadish	Prevalence of Atherosclerosis in Coronary and Aortic blood vessels
3	Dr.Shruthi.P.S	Study and analysis of p53 Ki67 & PRb expression in premalignant and malignant cervical lesions
4	Dr.Vasavi.B	Cytomorphological study of fluid aspirates:ncomparison between conventional smears and cell block
5	Dr.Suraksha Rao	Significance of platelet indices in ischemic heart disease.
6	Dr.Gomathi.N	Study and analysis of apoptotic index and proliferative markers in premalignant lesions and squamous cell carcinoma of oral cavity
7	Dr.Rizwan Javed	Morphological spectrum of prostatic lesions.
8	Dr.Deepthi.A	Study of Dimorphic anemia under basic etiology

9	Dr.Lokesh Haswani	Comparison of atherosclerosis carotid with aorta ,renal and coronary arteries in rural population of India
10	Dr.Divya Rani.M.N	Significance of mast cell density and micro vessel density in breast carcinomas
11	Dr.Priya.T.Rajan	Expression of Angiogenic markers VEGF & CD31 in psoriatic skin lesions.
12	Dr.Shubham Agarwal	Coagulation profile in snake envenomation
13	Dr.Chaithra.H	Role of Frozen section in Breast lesions
14	Dr.Sharitha.M.N	C-KIT Expression in cutaneous tumors.
15	Dr.Rakshith.V	”Correlation of E cadherin and Vimentin expression with histological type and grade of differentiation breast cancer”,

**DEPARTMENT OF PATHOLOGY**  
**ACCESSION REGISTER OF BOOKS / JOURNALS**

Sl. No	Authors	Title of the books	Edition	Year	No. of copies	Accession number
1	Diflore SH	Atlas of Human Histology	5 <sup>th</sup> Ed	1985	1	000200
2	Frederick	Manual of Histopathological staining Method		1985	1	000338
3	Raphel	Medical Lab technology (Lynch)	4 <sup>th</sup> Ed	1983	1	000355
4	Sherlock (S)	Diseases of Liver & Biliary system	7 <sup>th</sup> Ed	1985	1	001211
5	Isreal	General Pathology	6 <sup>th</sup> Ed	1987	1	001377
6	Dacie	Practical Hematology	6 <sup>th</sup> Ed	1984	1	001378
7	Todd	Clinical Diagnosis management by Lab. Methods	17 <sup>th</sup> Ed	1986	1	001380
8	Roitt M	Immunology	6 <sup>th</sup> Ed	1988	1	001451
9	Curran (Rc)	Color Atlas of Histopathology	3 <sup>rd</sup> Ed	1988	1	001765
10	Bhende	General pathology	3 <sup>rd</sup> Ed	1983	1	001774
11	Bhende	General pathology	4 <sup>th</sup> Ed	1986	1	001775
12	Kissane (J.M)	Andersons Pathology- Vol 1	9 <sup>th</sup> Ed	1990	1	001793
13	Kissane (J.M)	Andersons Pathology- Vol 2	9 <sup>th</sup> Ed	1990	1	001794
14	Kovi J	Surgical pathology Atlas- Vol-2		2000	1	001809
15	Kovi.J	Surgical Pathology Atlas- Vol-1		2000	1	001810
16	Anthony(Y.P)	Recent Advances in Histopathology-14		1989	1	001837
17	Cotran (R.S)	Robbins pathology Basic & Disease	3 <sup>rd</sup> Ed	1984	1	001871
18	Hayhoe (F.G)	A color atlas of Hematology	2 <sup>nd</sup> Ed	1982	1	001950
19	Weller RO	Symmers–Nervous System,Muscle, Eyes –Vol 4	3 <sup>rd</sup> Ed	1992	1	002115
20	Dorlands	Pocket Medical Dictionary	24 <sup>th</sup> Ed	1989	1	002175
21	Bancroft (J.D)	Theory & Practice of Histological Techniques	3 <sup>rd</sup> Ed	1990	1	002328
22	WSC Freidman	Symmers- Nose ,Throat , Ears – Vol 1	3 <sup>rd</sup> Ed	1989	1	002334
23	Morson (B.C)	Symmers - Alimentary tract	3 <sup>rd</sup> Ed	1987	1	002337
24	Naib AM	Exfoliative Cytopathology	3 <sup>rd</sup> Ed	1990	1	002345
25	Cooke RA	Color Alas off Anatomical pathology	1 <sup>st</sup> Ed	1987	1	002349
26	Hoff Brand AV	Recent Advances in Hematology-No. 5		1988	1	002352

27	Wickramasinge	Blood & Bone Marrow	1 <sup>st</sup> Ed	1986	1	002354
28	Brannestin	Outline & Review of pathology-vol 1	1 <sup>st</sup> Ed	1992	1	002413
29	Talib	T.B.Of Medical Lab Techniques	WHO		1	002591
30	Fayemi	Pathology	9 <sup>th</sup> Ed	1990	1	002912
31	Geary	Aplastic Anemia	1 <sup>st</sup> Ed	1979	1	003115
32	Rubin	Pathology	1 <sup>st</sup> Ed	1988	1	003210
33	Evans	Histological Appearances of tumors	4 <sup>th</sup> Ed	1990	1	003211
34	Carr	Lympho reticular Disease	2 <sup>dn</sup> Ed	1984	1	003549
35	Sood	Illustrated Pathology	1 <sup>st</sup> Ed	1990	1	003938
36	Hellquist (H.V)	Pathology of the Nose & Paranasal sinuses	1 <sup>st</sup> Ed	1980	1	003986
37	Dallenbach	Histopathology of the Endometrium	4 <sup>th</sup> Ed	1987	1	003987
38	Grundman	Histopathology	1 <sup>st</sup> Ed	1988	1	004284
39	Mitros	Atlas of gastro intestinal pathology	1 <sup>st</sup> Ed	1988	1	004364
40	Weiss	Atlas of genito-urinary tract disorders	1 <sup>st</sup> Ed	1988	1	004365
41	Kass	Bone Marrow Interpretation	2 <sup>nd</sup> Ed	1985	1	004372
42	Whitehead	Mucosal biopsy of the gastrointestinal tract	2 <sup>nd</sup> Ed	1980	1	004561
43	Harris	Breast Diseases	1 <sup>st</sup> Ed	1987	1	004658
44	Giuntali	Atkinsons Color Atlas of colposcopy	1 <sup>st</sup> Ed	1987	1	004669
45	Kelkar	T.B.Of Parasitology	1 <sup>st</sup> Ed	1990	1	005228
46	Curran (R.C)	Tumour atlas	3 <sup>rd</sup> Ed	1985	1	005477
47	Sood R	Medical Lab. Technology	7 <sup>th</sup> Ed	1986	1	005950
48	Corrin	Symmers –The lungs –Vol 5	3 <sup>rd</sup> Ed	1992	1	006289
49	Henry S	Symmers-Thymus,lymph nodes, spleen – Vol 7	3 <sup>rd</sup> Ed	1992	1	006291
50	Porter & Pugh	Symmers- Kidneys& the Urinary tract- Vol 8	3 <sup>rd</sup> Ed,	1992	1	006292
51	Enzinger FM	Soft Tissue tumors	1 <sup>st</sup> Ed	1990	1	006294
52	Underwood	General and systemic pathology	1 <sup>st</sup> Ed	1992	1	006295
53	Wheater	A color atlas of Basic Histopathology	2 <sup>nd</sup> Ed	1991	1	006296
54	Muir	Text book of pathology	12 <sup>th</sup> Ed	1987	1	006298
55	Greenfield	Neuropathology	2 <sup>nd</sup> Ed	1992	1	006299
56	Grubb	Diagnostic Cytopathology	1 <sup>st</sup> Ed	1988	1	006300
57	Robertson	Symmers - CVS - Vol-10	3 <sup>rd</sup> Ed	1993	1	006421
58	Wright	Symmers-Liver,Biliary tract & Pancreas – Vol 11	3 <sup>rd</sup> Ed,	1994	1	006463
59	Mc Gee	Oxford text book of pathology- Vol-1	1 <sup>st</sup> Ed	1992	1	006951
60	Mc Gee	Oxford text book of pathology- Vol-2	1 <sup>st</sup> Ed	1992	1	006952
61	Mc Gee	Oxford text book of pathology- Vol-3	1 <sup>st</sup> Ed	1992	1	006953
62	Hollon	Management of blood transfusion services	1 <sup>st</sup> Ed	1991	1	006954
63	Henry.JB	Clinical diagnosis & management by lab methods	18 <sup>th</sup> Ed	1991	1	006978
64	Lever WF	Histopathology of the skin	7 <sup>th</sup> Ed	1949	1	009029
65	Jandl	Blood: Textbook of Hematology	2 <sup>nd</sup> Ed	1996	1	009316
66	Fletcher	Diagnostic Histopathology of tumors –I	1 <sup>st</sup> Ed	1995	1	009317
67	Fletcher	Diagnostic Histopathology of tumors-II	1 <sup>st</sup> Ed	1995	1	009318
68	Firkin	De Gruchys Clinical haematology	5 <sup>th</sup> Ed	1996	1	009848
69	Lowe	Surgical pathology techniques	1 <sup>st</sup> Ed	1990	1	010049
70	Turk	Atlas of surgical pathology	1 <sup>st</sup> Ed	1991	1	010050
71	Yanoff	Ocular pathology	1 <sup>st</sup> Ed	1999	1	010051
72	Robbins	Pathological basis of Disease	6 <sup>th</sup> Ed	1999	1	010612
73	Antony	Recent Advances in Histopathology-16		1994	1	010663
74	Barbera Bain	Hematology color guide	1 <sup>st</sup> Ed	1998	1	010664
75	Bancroft	Manual of histological techniques and their diagnostic application	1 <sup>st</sup> Ed	1995	1	010665

76	Fox	Haynes&Taylor :obstetrical & gynaec pathology – I	4 <sup>th</sup> Ed	1995	1	010666
77	Fox	Haynes &Taylor: obstetrical & gynaec pathology – II	4 <sup>th</sup> Ed	1995	1	010667
78	Goldman	Pathology of the gastrointestinal tract	2 <sup>nd</sup> Ed	1998	1	010668
79	Kini	Color atlas of differential diagnosis in exfoliative & aspiration Cytopathology	1 <sup>st</sup> Ed	1999	1	010669
80	Russel	Surgical pathology of the ovaries	2 <sup>nd</sup> Ed	1997	1	010670
81	Silverberg	Principles & practice of surgical pathology and Cytopathology – I	3 <sup>rd</sup> Ed	1997	1	010671
82	Silverberg	Principles & practice of surgical pathology and Cytopathology – II	3 <sup>rd</sup> Ed	1997	1	010672
83	Silverberg	Principles & practice of surgical pathology and Cytopathology – III	3 <sup>rd</sup> Ed	1997	1	010673
84	Elston	The Breast	3 <sup>rd</sup> Ed	1999	1	010674
85	Vigorita	Orthopedic pathology	2 <sup>nd</sup> Ed	1990	1	010675
86	Cawson	Lucas pathology of tumors of the oral tissues	5 <sup>th</sup> Ed	1998	1	011088
87	Gilbert	Potter’sAtlas of Fetal &infant pathology	1 <sup>st</sup> Ed	1999	1	011123
88	Hoffbrand	Postgraduate Hematology	4 <sup>th</sup> Ed	1995	1	011124
89	Guyton A	Medical physiology	10 <sup>th</sup> Ed	1981	1	011317
90	Davidson	Principles and practice of medicine	19 <sup>th</sup> Ed	1999	1	011755
91	Ludwig J	Handbook of Autopsy practice	3 <sup>rd</sup> Ed	2004	1	011788
92	Ganong	Review of Med.Physiology	21 <sup>st</sup> Ed	1985	1	011944
93	Greer	Wintrob’s clinical Hematology- Vol 1	11 <sup>th</sup> Ed	2004	1	011974
94	Greer	Wintrob’s clinical hematology- Vol 2	11 <sup>th</sup> Ed	2004	1	011975
95	Martin (D)	Harpers Biochemistry`	26 <sup>th</sup> Ed	1985	1	012140
96	Rosai J	Rosai and Ackerman’s surgical pathology with CD	9 <sup>th</sup> Ed	2004	1	012189
97	Rosai J	Rosai and Ackerman’s surgical pathology with CD	9 <sup>th</sup> Ed	2004	1	012190
98	Robbins	Pathologic basis of disease	7 <sup>th</sup> Ed	2004	1	012274
99	Harrison	Principles of internal Medicine – Vol – I	16 <sup>th</sup> Ed	1986	1	012330
100	Harrison	Principles of internal Medicine – Vol – II	16 <sup>th</sup> Ed	1986	1	012335
101	Harshmohan	Text book of pathology	5 <sup>th</sup> Ed	2005	1	012487
102	Raveendran.R	A Practical approach to PG dissertation	1 <sup>st</sup> Ed	1979	1	012619
103	Koss	Diagnostic Cytopathology – vol I	5 <sup>th</sup> Ed	2005	1	013325
104	Koss	Diagnostic Cytopathology – vol II	5 <sup>th</sup> Ed	2005	1	013326
105	Scheuer J peter	Liver biopsy interpretation `	3 <sup>rd</sup> Ed	2006	1	013457
106	Orell R Svante	Fine needle aspiration cytology	4 <sup>th</sup> Ed	2005	1	013458
107	Lele	Clinical science and clinical research	2 <sup>nd</sup> Ed	2007	1	013639
108	Fox	Pathology of placenta	3 <sup>rd</sup> Ed	2007	1	014236
109	Woolf	Pathology Basis and systemic	6 <sup>th</sup> Ed	1998	1	014241
110	Mckee	Pathology of skin with clinical correlations Vol – I	3 <sup>rd</sup> Ed	2005	1	014545
111	Mckee	Pathology of skin with clinical correlations Vol II	3 <sup>rd</sup> Ed	2005	1	014546
112	Dubowitz	Muscle biopsy – A practical approach	3 <sup>rd</sup> Ed	2007	1	014650
113	Epstein	Biopsy interpretation of prostate	4 <sup>th</sup> Ed	2008	1	014651
114	Kumar	Robbins basic pathology	8 <sup>th</sup> Ed	2007	1	014699
115	Harshmohan	Pathology practical book with CD-ROM	2 <sup>nd</sup> Ed	2010	1	015194
116	Harshmohan	Textbook of pathology	6 <sup>th</sup> Ed	2010	1	015204
117	Harshmohan	Textbook of pathology quick review & MCQ’s	6 <sup>th</sup> Ed	2010	1	015214
118	Chernecky.C Cynthia	Laboratory tests and diagnostic procedures	5 <sup>th</sup> Ed	2009	1	015331

119	Kumar	Laboratory manual	1 <sup>st</sup>	2005	1	015426
120	Damjanov	Anderson's pathology	10th Ed	2009	1	015428
121	Damjanov	Anderson's pathology	10th Ed	2009	1	015429
122	Dutta	Blood banking and transfusion	1 <sup>st</sup> Ed	2006	1	015432
123	Leboit	Pathology and genetics Skin tumors	1 <sup>st</sup> Edt	2006	1	W00347
124	Eble	Pathology and genetics, tumor of urinary system and male genital organs'	1 <sup>st</sup> Ed	2004	1	W00348
125	Delellis	Pathology and genetics tumors of endocrine organs	1 <sup>st</sup> Ed	2004	1	W00349
126	Fletcher	Pathology and genetic, tumor of soft tissue and bone	1 <sup>st</sup>	2002	1	W00350
127	Travis	Pathology and genetic: tumor of lung, pleura, thymus and heart	1 <sup>st</sup> Ed	2004	1	W00351
128	Hamilton	Pathology and genetics: tumors of the digestive system	1 <sup>st</sup> Ed	2000	1	W00352
129	Barnes	Pathology and genetics: Head and neck tumors	1 <sup>st</sup> Ed	2005	1	W00353
130	Tavassoli	Pathology and genetics: tumours of the breast and female genital organs.	1 <sup>st</sup> Ed	2003	1	W00354
131	Shirish M Kawthalkar	Essentials of clinical pathology	1 <sup>st</sup> Ed	2006	1	017166
132	Jerome Taxy	Biopsy interpretation: The Frozen section	1 <sup>st</sup> Ed	2009	1	017270
133	Marluce Bibbon	Comprehensive cytopathology	3 <sup>rd</sup> Ed	2008	1	017556
134	Lillian A mundt kristy shanhan	Testbook of Urinalysis and body fluids	2 <sup>nd</sup> Ed	2011	1	017669
135	Mousa A At Abbadi	Salivary gland cytology		2011	1	018187
136	Geoff Danies & Imelda Bromilow	Essential guide to Blood groups	2 <sup>nd</sup> Ed	2010	1	018189
137	A.V.Hoffrand	Essential hematology	6 <sup>th</sup> Ed	2011	1	018192
138	Rasai & Ackerman	Surgical pathology	10 <sup>th</sup> Ed	2012	1	018535
139	Rasai & Ackerman	Surgical pathology	10 <sup>th</sup> Ed	2012	2	018536
140	Stuart J.S	Biopsy Interpretation of the breast	1 <sup>st</sup> Ed	2008	1	018721

### **Purchase of Latest editions in last 3 years (2010 - 2012)**

#### **2010**

Sl. No		Authors	Title of the books	Edition	Year	No. of copies	Accession number
1	115	Harshmohan	Pathology practical book with CD-ROM	2 <sup>nd</sup> Ed	2010	1	015194
2	116	Harshmohan	Textbook of pathology	6 <sup>th</sup> Ed	2010	1	015204
3	117	Harshmohan	Textbook of pathology quick review & MCQ's	6 <sup>th</sup> Ed	2010	1	015214
4	118	Chernecky.C Cynthia	Laboratory tests and diagnostic procedures	5 <sup>th</sup> Ed	2009	1	015331
5	119	Kumar	Laboratory manual	1 <sup>st</sup>	2005	1	015426
6	120	Damjanov	Anderson's pathology	10th Ed	2009	1	015428

**2011**

Sl. No		Authors	Title of the books	Edition	Year	No. of copies	Accession number
1	121	Damjanov	Anderson's pathology	10th Ed	2009	1	015429
2	122	Dutta	Blood banking and transfusion	1 <sup>st</sup> Ed	2006	1	015432
3	123	Leboit	Pathology and genetics Skin tumors	1 <sup>st</sup> Ed	2006	1	W00347
4	124	Eble	Pathology and genetics, tumor of urinary system and male genital organs'	1 <sup>st</sup> Ed	2004	1	W00348
5	125	Delellis	Pathology and genetics tumors of endocrine organs	1 <sup>st</sup> Ed	2004	1	W00349
6	126	Fletcher	Pathology and genetic, tumor of soft tissue and bone	1 <sup>st</sup>	2002	1	W00350
7	127	Travis	Pathology and genetic: tumor of lung, pleura, thymus and heart	1 <sup>st</sup> Ed	2004	1	W00351
8	128	Hamilton	Pathology and genetics: tumors of the digestive system	1 <sup>st</sup> Ed	2000	1	W00352
9	129	Barnes	Pathology and genetics: Head and neck tumors	1 <sup>st</sup> Ed	2005	1	W00353
10	130	Tavassoli	Pathology and genetics: tumours of the breast and female genital organs.	1 <sup>st</sup> Ed	2003	1	W00354

**2012**

Sl. No		Authors	Title of the books	Edition	Year	No. of copies	Accession number
1	131	Shirish M Kawthalkar	Essentials of clinical pathology	1 <sup>st</sup> Ed	2006	1	017166
2	132	Jerome Taxy	Biopsy interpretation: The Frozen section	1 <sup>st</sup> Ed	2009	1	017270
3	133	Marluce Bibbon	Comprehensive cytopathology	3 <sup>rd</sup> Ed	2008	1	017556
4	134	Lillian A mundt kristy shanhan	Testbook of Urinalysis and body fluids	2 <sup>nd</sup> Ed	2011	1	017669
5	135	Mousa A At Abbadi	Salivary gland cytology		2011	1	018187
6	136	Geoff Danies & Imelda Bromilow	Essential guide to Blood groups	2 <sup>nd</sup> Ed	2010	1	018189
7	137	A.V.Hoffrand	Essential hematology	6 <sup>th</sup> Ed	2011	1	018192
8	138	Rasai & Ackerman	Surgical pathology	10 <sup>th</sup> Ed	2012	1	018535
9	139	Rasai & Ackerman	Surgical pathology	10 <sup>th</sup> Ed	2012	2	018536
10	140	Stuart J.S	Biopsy Interpretation of the breast	1 <sup>st</sup> Ed	2008	1	018721

**Number of books purchase latest addition for last 3 years**

Year	2010	2011	2012	2013
No. of Books	06	10	10	Yet to received indented



