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(DEEMED TO BE UNIVERSITY)

Declared as Deemed to be University u/s 3 of UGC Act, 1956

The Constituent College

SHRI. B. M. PATIL MEDICAL COLLEGE, HOSPITAL & RESEARCH CENTRE, VIJAYAPURA

Department of Pathology

BOARD OF STUDIES (PATHOLOGY)

Date: 23.03.2019

Time: 11.00 AM onwards

Venue: Board Room, BLDE (Deemed to be University)

Following members attended the meeting

1. Dr. Shantveer Uppin(External member)
2. Dr Malathi M (Co- opted member)
3. Dr. B.R.Yelikar
4. Dr. Surekha .U. Arakeri
5. Dr. R.M.Potekar
6. Dr. Surekha .B. Hippargi
7. Dr Vijayalaxmi Patil
8. Dr Savitri M.N.

Dr.B.R.Yelikar, Prof and HOD, welcomed all BoS members and discussion started according to agenda.

- 1) Confirmation of the minutes of the Previous BoS meeting: Members confirmed the minutes of the previous BoS Meeting conducted on 14.09.2018
- 2) **Revision of UG & PG Curriculum:** Dr Surekha Arakeri told the members that all the staff will undergo competency based Medical Education training to prepare curriculum and after that II year UG curriculum will be prepared.

Dr R.M.Potekar highlighted the various changes in the PG curriculum, explained in detail about the competencies to be acquired & formative and summative assessment according to CBME guidelines. Dr Shantveer Uppin suggested that Pgs should be taught about the interpretation of various graphs and charts of electron microscopy, FISH, flow cytometry etc and later to be evaluated for the same in Final examination.

3) Curriculum of allied courses:

Dr.Savitri informed the members that the revised curriculum has been sent in November 2018.

4) New Courses :

Dr Uppin told to start course of MD (Transfusion medicine). He said that interested staff can be sent on deputation for six months and then posted in the section. Stem cell banking can be also done in the blood bank.

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5) Review of existing courses :

Existing courses both UG and PG are doing well.

6) Review of PhD Programme :

The final progress report of First PhD candidate (Dr.MaheshKumar U) is yet to be received and respective guide is in touch with the candidate. Two candidates from 2014 batch are submitting their six monthly progress reports regularly (Dr.Anita Javalgi, Dr.Saeed Yendigeri). Dr.Surekha Hippargi faculty of the parent department from 2017 Batch is submitting the progress reports of project.

7) Recognition of PhD guide/PG teachers:

Dr.B.R.Yelikar advised Dr.Vijayalaxmi Patil to apply for PG teacher as she is eligible.

8) Question Paper and Result Analysis :

One PG Candidate appeared for examination in October,2018 and he has cleared the examination.

9) Preparation of Curriculum on Area of specialization for Pre Ph.D Examination

Curriculum for Pre Ph.D Examination has been prepared and submitted to the University.

10) Panel of Examiners: Dr.B.R.Yelikar suggested that for post graduate examination, the external examiners should be from institutes who are running recognized post graduate courses institute.

11) Any other matter with the permission of the chair: Dr.Vijayalaxmi Patil requested

Dr.Shantveer Uppin regarding deputation of staff to NIMS, Hyderabad. Dr.Uppin suggested to write a letter regarding what training is require, like squash cytology, flow cytometry, IHC etc. Dr. Malathi M advised that for observership in cytogenetics at KIDWAI for one month, we have to write a letter to Academic Cell and then they will forward to the concerned HoD.

Meeting concluded following vote of thanks given by Dr.B.R.Yelikar.

I/c SVA

Prof and HOD

Prof. & HOD
Dept. of Pathology
BLDE (Deemed to be University)
Shri B. M. Patil Medical College
VIJAYAPUR-03.

[Signature]

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Changes in PG curriculum

Sl. No	Content	2016	2019 proposed changes
1	Goals		
2	Objectives	<p><u>Hematology</u> Not specified <u>Histopathology</u> Were under the heading of Skill levels</p>	<p><u>Hematology</u> Objectives are specified as Domain wise <u>Histopathology</u> Subject Specific competencies are included under the following headings A. Cognitive domain A post graduate student upon successfully qualifying in the MD (Pathology) examination should have acquired the following broad theoretical competencies and should be:</p> <ol style="list-style-type: none">1) To have a thorough knowledge of the normal histology of various body tissues.2) Understands the techniques grossing of biopsy tissue3) Understands the techniques of tissue processing for biopsy tissue4) Understands the techniques involved in autopsy of fetus & adults5) Understands the importance of special staining procedures in histological tissue diagnosis.6) Identify the histological changes in biopsy tissue7) Understands the role of specialized techniques like frozen section, immuno histochemistry in tissue diagnosis <p>Capable of offering a high quality diagnostic opinion in a given clinical situation with an appropriate and relevant sample of histopathology tissue for diagnosis and overall wellbeing of the ill.</p> <p>2. Able to teach and share his knowledge and competence with others. The student</p>

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			<p>should be imparted training in teaching methods in the subject which may enable the student to take up teaching assignments in Medical Colleges/Institutes.</p> <p>3. Capable of pursuing clinical and laboratory-based research in histopathology. He/she should be introduced to basic research methodology so that he/she can conduct fundamental and applied research in histopathology.</p> <p>4. The student should be able to identify and systematically and accurately describe the chief histo-morphological alterations in the tissue received in the surgical pathology. He/she should also correctly interpret and correlate with the clinical data to diagnose at least 90% of the routine surgical material received on an average day.</p> <p>B. Affective domain</p> <p>1. The student will show integrity, accountability, respect, compassion and dedicated patient care. The student will demonstrate a commitment to excellence and continuous professional development.</p> <p>2. The student should demonstrate a commitment to ethical principles relating to providing patient care, confidentiality of patient information and informed consent.</p> <p>3. The student should show sensitivity and responsiveness to patients' culture, age, gender and disabilities.</p> <p>C. Psychomotor domain</p> <p>At the end of the course, the student should have acquired skills, as described below:</p> <p>Surgical pathology- Skills</p> <p>Given the clinical and operative data, the student</p>
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			<p>should be able to identify, and systematically and accurately describe the chief gross</p> <p>anatomic alterations in the surgically removed specimens and be able to correctly diagnose at least 80% of the lesions received on an average day from the surgical service of an average teaching hospital.</p> <p><input type="checkbox"/> A student should be able to demonstrate ability to perform a systematic gross examination of the tissues including the taking of appropriate tissue sections and in special cases as in intestinal mucosal biopsies, muscle biopsies and nerve biopsies, demonstrate the orientation of tissues in paraffin blocks.</p> <p><input type="checkbox"/> Be conversant with automatic tissue processing machine and the principles of its running.</p> <p><input type="checkbox"/> Process a tissue, make a paraffin block and cut sections of good quality on a rotary/fully motorised microtome.</p> <p><input type="checkbox"/> Stain paraffin sections with at least the following:</p> <p>(i) Haematoxylin and Eosin (ii) Stains for collagen, elastic fibers and reticulin (iii) Iron stain (iv) PAS stain (v) Acid fast stains (vi) Any other stains needed for diagnosis.</p> <p>Demonstrate understanding of the principles of:</p> <p>(i) Fixation of tissues (ii) Processing of tissues for section cutting (iii) Section cutting and maintenance of related equipment (iv) Differential (special) stains and their utility</p>
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			<input type="checkbox"/> Cut a frozen section using cryostat, stain and interpret the slide in correlation with the clinical data provided. <input type="checkbox"/> Demonstrate the understanding of the utility of various immunohistochemical stains especially in the diagnosis of tumour subtypes.
3	Course Content	Hematology Cytology not included	No changes Cytology General Cytology 1) Diagnostic Cytology- Its Origins and Principles 2) The Basic Structure of the Mammalian Cell 3) How Cells Function: Fundamental Concepts of Molecular Biology 4) Principles of Cytogenetics 5) Recognizing and Classifying Cells 6) Morphologic Response of Cells to Injury 7) Fundamental Concepts of Neoplasia: Benign Tumors and Cancer II Diagnostic Cytology of Organs. 1) The Normal Female Genital Tract 2) Cytologic Evaluation of Menstrual Disorders and Hormonal Abnormalities 3) Benign Disorders of the Uterine Cervix and Vagina 4) Squamous Carcinoma of the Uterine Cervix and Its Precursor 5) Adenocarcinoma and Related Tumors of the Uterine Cervix 6) Proliferative Disorders and Carcinoma of the Endometrium 7) Diseases of the Vagina, Vulva, Perineum, and Anus 8) Tumors of the Ovary and Fallopian Tube 9) Peritoneal Washings or Lavage in Cancers of the Female Genital Tract

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			<ol style="list-style-type: none">10) Rare and Unusual Disorders of the Female Genital Tract11) Effects of Therapeutic Procedures on the Epithelia of the Female Genital Tract12) The Lower Respiratory Tract in the Absence of Cancer: Conventional and Aspiration Cytology13) Tumors of the Lung: Conventional Cytology and Aspiration Biopsy14) Epithelial Lesions of the Oral Cavity, Larynx, Trachea, Nasopharynx, and Paranasal Sinuses15) The Lower Urinary Tract in the Absence of Cancer16) Tumors of the Urinary Tract in Urine and Brushings17) The Gastrointestinal Tract18) Effusions in the Absence of Cancer19) Effusions in the Presence of Cancer20) Cerebrospinal and Miscellaneous Fluids21) Techniques of Fine-Needle Aspiration, Smear Preparation, and Principles of Interpretation22) The Breast .23) The Thyroid, Parathyroid, and Neck Masses Other Than Lymph Nodes .24) Lymph Nodes25) Salivary Glands26) The Prostate and the Testis27) The Skin .28) Soft Tissue Lesions.29) Bone Tumors.30) The Mediastinum31) The Liver and Spleen32) The Pancreas33) The Kidneys, Adrenals, and Retroperitoneum34) The Eyelids, Orbit, and Eye
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			35) The Central Nervous System 36) Circulating Cancer Cells III - Techniques in Diagnostic Cytology 1) Laboratory Techniques 2) Immunochemistry and Molecular Biology in Cytological Diagnosis 3) Digital Analysis of Cells and Tissues 4) Flow Cytometry
4	Teaching-learning methods	Not included	Hematology 1) For BM biopsy & aspiration cadaver & skills lab based training 2) For hemoglobinopathy disorders HPLC charts, HB electrophoresis charts, osmotic fragility charts
5	Formative assessment	Monthly theory test	Section leaving exams
6	Suggested changes in summative assessment	Not included	Spotters: Identification of electrophoresis strips, osmotic fragility charts etc. Interpretation of data from autoanalysers, HPLC and flow cytometry. Immunohistochemistry, FISH and PCR charts

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