



**YENEPOYA UNIVERSITY**

**Deralakatte, Mangaluru -575018**

**REGULATIONS AND CURRICULUM GOVERNING  
POSTGRADUATE PROGRAM (MDS) IN  
ORAL PATHOLOGY & MICROBIOLOGY**

**(CURRICULUM – EFFECTIVE FROM 2008-09)**

**ATTESTED**  


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## **Notification**



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Ref: No.YU/REG/ACA/1-ACM/2008

10.07.2008

### **NOTIFICATION**

Sub: Syllabus for the BDS and MDS

Ref: Resolution of the Academic Council at its 1<sup>st</sup> Academic Council meeting held on 10.07.2008, vide agenda - 1

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The Academic Council at its 1<sup>st</sup> meeting held on 10.07.2008 and subsequently the Board of Management at its 4<sup>th</sup> meeting held on 30.08.2008 have resolved to approve the syllabus as recommended by the DCI and followed for the BDS and MDS students admitted for the academic year 2008-2009.

This notification is issued for implementation with effect from the academic year 2008-2009.

**REGISTRAR**

To:

The Principal - YDC

Copy to:

1. Controller of Examinations
2. Academic Section

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## **DEPT OF ORAL PATHOLOGY**

Oral Pathology deals with the nature of oral diseases, their causes, processes and effects. It relates the clinical manifestation of oral diseases to the physiologic and anatomic changes associated with these diseases.

### **Objectives:**

- To train a post graduate student to become competent in dealing with the pathology of the oral lesions
- To train the post graduate student to become competent in the histopathological diagnosis and treatment planning of the oral lesions with correlation of the clinical and laboratory findings
- To acquire the skills to teach the undergraduate students
- To acquire the skills for the evaluation of the students
- To develop a scientific approach to the problems by gaining knowledge to interpret the data, referring to the articles, review, statistical knowledge etc.

### **First Year:**

#### **Topics to study:**

- 1) Biostatistics and Research Methodology
- 2) Applied Gross Anatomy of Head and Neck
- 3) Histology-General & Oral
- 4) Genetics and Molecular Biology
- 5) Basic Immunology
- 6) Physiology – general & Oral

- 7) Biochemistry
- 8) Microbiology- General & Oral
- 9) Oral anatomy
- 10) Embryology- General& Oral
- 11) Hematology
- 12) Laboratory techniques
- 13) Over view of Oral Pathology
- 14) Topic selection for Library Dissertation/Systematic Review - by the end of 6 month
- 15) Topic Selection and synopsis presentation by the end of 6 months

**Approach:**

- 1) Attending workshops and guest lectures for Biostatistics and Research methodology
- 2) Attending classes on basic subjects
- 3) Presentation of Seminars
- 4) Presentation of Journal clubs
- 5) Lecture and practical demonstrations in the subject of oral anatomy, oral histology, oral physiology, oral embryology etc
- 6) Preparation of Ground and Decalcified sections, Tissue processing, sectioning and staining
- 7) Haematology-Lab techniques to perform
- 8) Record books for histology, physiology, biochemistry, haematology, oral histology, oral embryology, oral pathology
- 9) Grossing of biopsy specimen
- 10) Interdepartmental meetings/ clinical society meetings
- 11) Synopsis preparation for dissertation
- 12) Attending PG convention/CDE/Conferences/workshop etc.
- 13) Attending dental camps

- 14) Participating in UG evaluation activities
- 15) Maintaining Log book and Work book

**Evaluation:**

Dept. level:

- 1) Class tests, slide tests
- 2) Viva voce
- 3) Examination on the basic subjects
- 4) Periodic assessment- completion of the work, quality of seminars, journal clubs, participation in academic activities etc.

**Second year:**

**Topics to study:**

- 1) Detailed and in depth study of oral pathology
- 2) Advanced laboratory techniques
- 3) Clinico pathological co relations
- 4) Experimental Oral Pathology
- 5) Oral oncology
- 6) Forensic Odontology
- 7) Completion of Library dissertation/systematic review by the end of second year
- 8) Scientific Presentation in conference/convention etc
- 9) Dissertation work

**Approach:**

- 1) Attending classes on Oral Pathology

- 2) Lecture and practical demonstrations in Oral Pathology
- 3) Attending workshop/CDE/conferences etc.
- 4) Postings in OMR and OMFS department
- 5) Presentation of seminars
- 6) Presentation of Journal clubs
- 7) Participation in grossing, Tissue processing, sectioning and staining
- 8) Cytologic smear preparations
- 9) Special staining- to perform
- 10) Frozen sections
- 11) Immunostaining
- 12) Slide Reporting
- 13) Case discussions
- 14) Clinical case record preparation
- 15) Presentations in conferences/convention etc.
- 16) Participation in research/scientific work
- 17) Attending dental camps
- 18) Group discussions
- 19) Participation in UG evaluation
- 20) Maintaining Log book and work book

**Evaluation:**

Dept. level:

- 1) class tests, slide tests
- 2) viva voce
- 3) Periodic assessment – completion of the work, quality of the seminars, journal clubs, laboratory work, participation in academic activities

### **Third Year:**

#### Topics to study:

##### Recent advances

- 1) Oral oncology
- 2) Oral Pathology
- 3) Dissertation work completion by the end of 6 months
- 4) Histopathological diagnosis of head and neck lesions
- 5) Case discussions- diagnosis and treatment planning

### **Approach:**

- 1) Presentation of seminars
- 2) Presentation of journal clubs
- 3) Completion of dissertation by the end of 6 months and submission to the university
- 4) Attending CDE/Workshop/conference/convention etc.
- 5) Publication- research/scientific paper
- 6) Attending dental camps
- 7) Group discussions
- 8) Lecture and practical demonstrations in Oral pathology
- 9) Grossing and Laboratory techniques
- 10) Participation in UG evaluation activities
- 11) Slide reporting
- 12) Case discussions
- 13) Cytologic smear preparations



- 14) Frozen sections
- 15) Maintaining Log book and work book

**Evaluation:**

Dept. level:

- 1) Class tests, slide tests
- 2) Viva voce
- 3) Periodic assessment- completion of the work, quality of the seminars, journal clubs, participation in academic activities etc.

**University Level:**

**Scheme of Examination**

A.Theory:300 marks

Written examination shall consist of four question papers each of three hours duration. Total marks for each paper will be 75. Paper I, II,III shall consist of one long question carrying 20 marks, three short essay questions each carrying 10 marks and five short answers each carrying 7 marks. Paper IV will be an Essay. Questions on recent advances may be asked in any or all the papers. Distribution of the topics for each paper will be as follows:\*

**Paper I-** Applied basic sciences: applied Anatomy, physiology ( General & Oral ), cell biology, General Histology, Biochemistry, General Pathology, general and systemic Microbiology, Virology, Mycology, Basic Immunology, Oral Biology ( oral and dental histology), Biostatistics and Research Methodology

**Paper II-** Oral Pathology, Oral Microbiology & Immunology and Forensic Odontology

**Paper III-** Laboratory techniques and Diagnosis and Oncology

**Paper IV-**Essay

\*The topics assigned to the different papers are generally evaluated under those sections. However a strict division of the subject may not be possible and some overlapping of topics is inevitable. Students should be prepared to answer overlapping topics.

**B. Practical/clinical: 200 marks**

**1. Case Presentation**

- a) Long case- 20 marks
- b) Short case-10marks

**1. Clinical haematology- ( any two investigations)- 20 marks**

Hb%, bleeding time, clotting time, Total WBC count, Differential WBC count and ESR

**3. Smear preparation- 20 marks**

Cytology or microbial smear and staining

**4. Paraffin sectioning and H & E staining-30marks**

**5. Histopathology slide discussion – 100 marks**

**C. Viva voce: 100 marks**

- 1) Viva voce examination: 80 marks

All examiners will conduct viva voce on candidate's comprehension, analytical approach, expression, interpretation of data, and communication skills. It includes all components of course contents. It includes presentation and discussion on the dissertation also.

Two examiners will conduct the viva voce at a time as two teams, each team for 20 minutes.

**2) Pedagogy exercise: 20 marks**

A topic be given to each candidate in the beginning of practical examination. He /she is asked to make a presentation on the topic for 8-10m minutes