



**CHILDREN'S EDUCATION SOCIETY (Regd.)**

**Administrative Office:**

Ist Phase, J.P. Nagar, Bangalore-560 078.  
Ph: 080-26659532, 61754501/02 Fax : 080 - 26548658

**THE OXFORD DENTAL COLLEGE**

**Accredited with 'A' grade by NAAC**

(Recognised by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Sciences, Karnataka & Recognised by Dental Council of India, New Delhi)  
Bommanahalli, Hosur Road, Bangalore - 560 068.

Ph: 080-61754680 Fax : 080 - 61754693

E-mail: deandirectortodc@gmail.com Website: [www.theoxford.edu](http://www.theoxford.edu)



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**1.3.1 -**

**Curriculum highlighting Cross cutting issue and number of Cross cutting issues  
conducted by the Institution**

The Institution follows the curriculum designed by the Rajiv Gandhi University of Health Sciences. According to the curriculum, various relevant cross cutting issues are to be introduced to the students during different academic years.

These courses were organised for both under graduate and post graduate students to build their knowledge, awareness, confidence and character before entering clinical practice. These courses will help the students to understand the human nature and values as they interact with patients through dental courses.

The following documents includes 13 programs conducted by the Institution by various Departments under Cross Cutting Issues, the syllabus highlighting the Cross Cutting Issues and the activity reports of the 13 programs.

  
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## Curriculum Highlighting Cross Cutting Issues

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The Institution integrates cross-cutting issues relevant to Gender, Environment and Sustainability, Human Values, Health determinants, Right to Health and emerging demographic issues and Professional Ethics into the Curriculum as prescribed by the University/ respective councils.

**Summary:-**

The Institution follows the curriculum designed by the Rajiv Gandhi University of Health Sciences. According to the curriculum, various relevant cross cutting issues are to be introduced to the students during different academic years.

The Institution has integrated and conducted various courses. These are relevant to cross cutting issues related to Gender sensitization, Environment and sustainability, Human values, Health determinants, Right to health and Professional Ethics. These courses were organised for both under graduate and post graduate students to build their knowledge, awareness, confidence and character before entering clinical practice. These courses will help the students to understand the human nature and values as they interact with patients through dental courses.

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This is to certify the following programs were conducted by various departments of The Oxford Dental College, under Cross cutting issues in the academic year 2023-24.

Serial No.	Cross Cutting Issues	Date	Name of event
1.	Gender Equality	13-3-2024	Women's Day Celebration
		30-3-2024	Depression - How do students identify and tackle depression
		10-06-2024	World menstrual hygiene day
2.	Environmental & sustainability	1-08-2023	Be- Eco Dentist
		5-6-2024	Environment day
3.	Human values	16-11-2023	Anti Ragging programme
		14-03-2024	Special Dental Camp In Divya Down's Development Trust
4.	Health determinants	13-07-2023	HEPATITIS Immunization drive
		21-11-2023	Blood Donation Drive
5.	Right to health	21-2-2024	Supportive Care In Cancer
		23-3-2024	Awareness of Nutrition For Elders
6.	Prof. Ethics	12-1-2024	Good clinical practice
		13-03-2024	White coat ceremony

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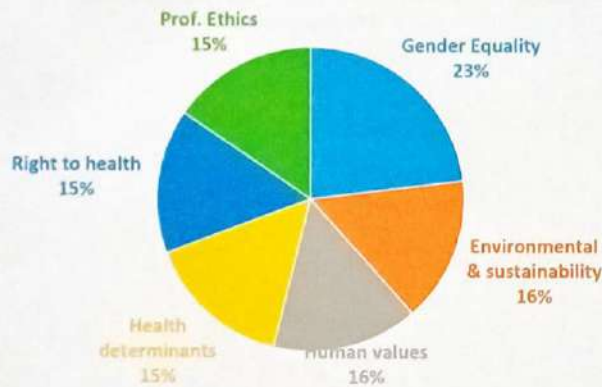
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Revised Ordinance Governing  
**BACHELOR OF DENTAL SURGERY (BDS)**  
Degree Course 2011



**RAJIV GANDHI UNIVERSITY OF  
HEALTH SCIENCES KARNATAKA**

4th T Block, Jayanagar, Bangalore 560041

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Degree Course 2011

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SECTION II: Aims and Objectives of BDS Course

SECTION III: Regulation Relating to BDS Course

SECTION IV: B. D.S course Syllabus

#### I BDS

- i. General Human Anatomy including Embryology and Histology.
- ii. General Human Physiology , Biochemistry, Nutrition and Dieties.
- iii. Dental Anatomy, Embryology and Oral Histology.
- iv. Dental Materials.
- v. Preclinical Prosthodontics and Crown & Bridge.

#### II BDS

- i. General Pathology and Microbiology.
- ii. General and Dental Pharmacology and Therapeutics.
- iii. Dental Materials.
- iv. Preclinical Conservative Dentistry.
- v. Preclinical Prosthodontics and Crown & Bridge.
- vi. Oral Pathology & Oral Microbiology.

#### III BDS

- i. General Medicine.
- ii. General Surgery.
- iii. Oral Pathology and Oral Microbiology.
- iv. Conservative Dentistry & Endodontics.
- v. Oral & Maxillofacial Surgery.
- vi. Oral Medicine and Radiology.
- vii. Orthodontics & Dentofacial Orthopaedics.
- viii. Paediatric & Preventive Dentistry.
- ix. Periodontology.
- x. Prosthodontics and Crown & Bridge.
- xi. Public Health Dentistry.

#### IV BDS

- i. Orthodontics & Dentofacial Orthopaedics.
- ii. Oral Medicine and Radiology.
- iii. Paediatric & Preventive Dentistry.
- iv. Periodontology.
- v. Oral & Maxillofacial Surgery.
- vi. Prosthodontics and Crown and Bridge.
- vii. Conservative Dentistry & Endodontics.
- viii. Public Health Dentistry.

SECTION V: **Ethics in Dentistry**





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# SECTION II

## AIMS AND OBJECTIVE OF BDS COURSE

### Aims

The dental graduates during training in the institutions should acquire adequate knowledge, necessary skills and such attitudes which are required for carrying out all the activities appropriate to general dental practice involving the prevention, diagnosis and treatment of anomalies and diseases of the teeth, mouth, jaws and associated tissues. The graduate should also understand the concept of community oral health education and be able to participate in the rural health care delivery programmes existing in the country.

### Objectives

The objectives are dealt under three headings namely (a) knowledge and understanding (b) skills and (c) attitudes.

#### a. Knowledge and understanding

The graduate should acquire the following during the period of training.

1. Adequate knowledge of the scientific foundations on which dentistry is based and good understanding of various relevant scientific methods, principles of biological functions and should be able to evaluate and analyse scientifically various established facts and data.
2. Adequate knowledge of the development, structure and function of the teeth, mouth and jaws and associated tissues both in health and disease and their relationship and effect on general-state of health and also the bearing on physical and social well-being of the patient.
3. Adequate knowledge of clinical disciplines and methods, which provide a coherent picture of anomalies, lesions and diseases of the teeth, mouth and jaws and preventive, diagnostic and therapeutic aspects of dentistry.
4. Adequate clinical experience required for general dental practice.
5. Adequate knowledge of biological function and behaviour of persons in health and sickness as well as the influence of the natural and social environment on the state of health so far as it affects dentistry.



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#### b. Skills

A graduate should be able to demonstrate the following skills necessary for practice of dentistry.

1. Able to diagnose and manage various common dental problems encountered in general dental practice, keeping in mind the expectations and the right of the society to receive the best possible treatment available wherever possible.
2. Acquire skill to prevent and manage complications if encountered while carrying out various dental surgical and other procedures.
3. Possess skill to carry out required investigative procedures and ability to interpret laboratory findings.
4. Promote oral health and help to prevent oral diseases wherever possible.
5. Competent in control of pain and anxiety during dental treatment.

#### c. Attitudes

A graduate should develop during the training period the following attitudes.

1. Willing to apply current knowledge of dentistry in the best interest of the patients and the community.
2. Maintain a high standard of professional ethics and conduct and apply these in all aspects of professional life.
3. Seek to improve awareness and provide possible solutions for oral health problems and needs throughout the community.
4. Willingness to participate in the continuing education programmes to update knowledge and professional skills from time to time.
5. To help and to participate in the implementation of national health programmes.



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## III BDS PERIODONTOLOGY

### Knowledge:

- To have adequate knowledge and understanding of the etiology, pathophysiology, diagnosis & treatment planning of various periodontal problems.
- To have understood the periodontal surgical principles like pre and post surgical management of periodontal diseases.
- Essential knowledge of personal hygiene and infection control, prevention of cross infection and safe disposal of hospital waste keeping in view the high prevalence of infectious disease

### Skills

- To obtain proper clinical history, examination of the patient, perform diagnostic procedures and order essential laboratory tests and interpret them and to arrive at a provisional diagnosis about the periodontal condition.
- To perform with competence various periodontal nonsurgical procedures. To treat non- surgically the various periodontal diseases.

### Attitude:

- Periodontal surgical care is to be delivered irrespective of the social status, caste, creed or religion of the patient.
- Willing to share the knowledge and clinical experience with professional colleagues.
- Respect patient right and privileges, including patients right to information and right to seek a second opinion.



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- Develop attitude to seek opinion from an allied medical and dental specialists as and when required.

**Communicative Skills and Ability:**

- Develop adequate communication skills particularly with the patients giving them the various options available to manage a particular periodontal problem and obtain a true informed consent from them for the most appropriate treatment available at that point of time.
- Develop the ability to communicate with professional colleagues.
- Develop ability to teach undergraduates, present seminars and develop leadership skills

**Teaching Hours:** Theory: 80 Hours ( III BDS-30 Hours, IVBDS- 50 Hours)

Sl. No.	Topic	Expected to know	Hours
1.	Introduction	Definition of Periodontology, Periodontics Periodontia. Brief historical background Scope of Periodontics	1
2.	Gingiva	Development , Structure , morphology histopathology of gingival tissues, functions.	2
3.	Tooth supporting structures	Periodontal ligament, cementum and alveolar bone: functions, histology, development	2
4.	Periodontal instrumentation	Sonic, Ultra sonic instrumentation gingival irrigation manual instrumentation	1
5.	Defense mechanism in the oral cavity	Role of Epithelium; Gingival crevicular fluid ; Saliva and other defensive mechanisms in the Oral environment	2
6.	Age changes in periodontal structures & their significance in geriatric dentistry	Age changes in teeth and Periodontal Structures, their association	1
7.	Plaque control	a. Mechanical- tooth brushes, interdental cleansing aids, dentifrices. b. Chemical – Classification and mechanism of action of each, pocket irrigation.	2
8.	Gingivitis	Plaque associated, ANUG steroid, hormone influenced, Medication influenced, desquamative gingivitis, gingivitis, other forms of gingivitis as in nutritional deficiency, bacterial and viral infections etc.	2



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**IV BDS  
PERIODONTOLOGY**

Teaching Hours: Theory: 50 Hours

Sl. No.	Topic	Expected to know	Hours
1.	Classification of periodontal diseases	Need and scientific basis, classification of gingival and periodontal diseases- world workshop 1999.	1
2.	Risk Factors	Definition, Risk factors for periodontal diseases. Smoking and periodontal diseases, Role of Stress factors	1
3.	Genetic factors	Genetic factors associated with periodontal disease	1
4.	Host Response	Mechanism of initiation & progression of Periodontal disease, Basic concepts , cells, Mast cells, Neutrophils, macrophages, Lymphocytes, Immunoglobulins, complement, Immune Mechanisms and Cytokines in brief. Stages in gingivitis - Initial, early established, advanced Periodontal disease activity continuous paradigm, random burst and asynchronous multiple burst hypothesis	2
5.	Furcation involvement	Furcation involvement Various Classifications, prognosis and management.	1
6.	Bone loss patterns	Bone loss and patterns of bone destruction in periodontal disease	1
7.	Diagnosis	Routine procedures, methods of probing types of probes. -case history Halitosis, Etiology and treatment.	2
8.	Radiographic aids	Radiographs aids in the diagnosis of periodontal diseases	1
9.	Advanced diagnostic aids	Advanced diagnostic aids - Their role in brief	1
10.	Prognosis	Definition, types, purpose and factors	1
11.	Treatment plan	Factors to be considered	1
12.	Rationale for periodontal therapy	Regeneration, Repair, Re-attachment, New attachment	1



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13.	Periodontitis	Etiology, histopathology, clinical signs & symptoms diagnosis and treatment of chronic periodontitis, aggressive periodontitis, refractory periodontitis, Necrotising ulcerative periodontitis Periodontal abscess- definition, classification, pathogenesis, differential diagnosis & treatment	3
14.	Periodontal pocket	Definition, signs and symptoms, classification, pathogenesis histopathology, root surface changes & contents of pocket.	1
15.	Periodontal treatment of medically compromised Patients	Different systemic conditions and their effects on the periodontium. Management of patients with the various systemic complications	2
16.	Periodontal therapy in the female patient	PDL changes associated with Puberty, Menopause, pregnancy, Oral contraceptives	1
17.	Periodontal therapy	General principles of periodontal therapy. Preparation of the patient for surgical therapy	1
18.	Pocket eradication	Scaling and root planing procedures Indications, Aims and Objectives. Armamentarium - and procedure Healing following root planing. Curettage and present concepts- Definition, Indication ; Aims and Objectives Procedures and healing Gingivectomy / Gingivoplasty including crown lengthening procedure-Definition Indication and contra indication Armamentarium, Procedure and healing.	3
19.	Flap Surgery	Definition of flap; Types of flap (Design of flap-papilla preservation) Pocket eradication, Indications, armamentarium, surgical procedure and healing	2
20.	Osseous surgery	Definition; Resective and additive osseous surgery (Osseous grafts, classification of grafts)-healing; other regenerative procedures root conditioning. Guided tissue regeneration.	2
21.	Mucogingival surgery	Definition; Mucogingival problems., Etiology & Classification of gingival recession (P.D. Miller Jr. and Sullivan and Atkins) Indications, various mucogingival surgical procedures	2
22.	Occlusion	Occlusal evaluation and therapy	1



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23.	Microsurgery	Periodontal Microsurgery in brief, Electrosurgery, cryosurgery	1
24.	Splints	Periodontal splints - purpose, classification- principles of splinting	1
25.	Trauma from Occlusion (TFO)	definition, types, histopathological changes, role in periodontal disease, measures of management	1
26.	Implants	Definition, Types, Scope, biomaterials used. Periodontal considerations such as implant-gingiva and implant-bone interface. Implant failure, Peri-implantitis and management. Advanced surgical techniques	3
27.	Periodontal medicine	PDL infection associated with various systemic Diseases.	1
28.	Host modulation therapy	Principles, Agents used	1
29.	Lasers	Lasers in periodontal therapy	1
30.	Supportive periodontal therapy	Definition, Rationale, Patient Classification Factors affecting S P T; Implant maintenance	1
31.	Pharmacotherapy	Periodontal dressings ; antibiotics and antiinflammatory drugs - local drug delivery	1
32.	Pulpo-periodontal Lesions	Pulpo-periodontal involvement - Routes of Spread of infection management	1
33.	Evidence based decision making	Assessing evidence, implementing evidence based decisions in clinical practice	1
34.	Patient management	<b>Ethical, legal and practical issues</b> in the management of periodontal patients	1



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## IV BDS

### PUBLIC HEALTH DENTISTRY

Theory: 45 hours

Clinical/Practical:150 hour

Sl.No.	Topic	No. of hours	Year of study
	<b>PUBLIC HEALTH</b>	2	IV BDS
i.	General <b>Epidemiology</b> :-definition,objectives.methods	2	
ii.	Environment Health: -Concepts,principles.protection, sources,purification environmental sanitation of water disposal of waste sanitation,then role in mass disorders	2	
iii.	Health Education: -Definition,concepts,principles,methods, and health education aids	2	
iv.	Public Health Administration: -Priority,establishment, manpower,private practice management, hospital management.	2	
v.	<b>Ethics and Jurisprudence</b> : Professional liabilities,negligence, malpractice, consents, evidence, contrasts, and methods of identification in forensic dentistry.	2	
vi.	Behavior sciences:Definition of sociology,anthropology and psychology and their in dental practice and community.	2	
vii.	Health care delivery system: Center and state, oral health policy,primary health care, national programmes, health organizations.	2	
	<b>Dental Public Health</b>		
i.	Definition and difference between community and clinical health.	2	
ii.	Nutrition in oral diseases	2	
iii.	Delivery of dental care: Dental auxiliaries, operational and non-operational, incremental and comprehensive health care, school dental health Planning & Evaluation	4 1	
iv.	Payments of dental care: Methods of payments and dental insurance, government plans	2	
	<b>3. Preventive Dentistry</b>	5	
i.	Definition, Levels, role of individual community and profession, fluorides in dentistry, plaque control programmes.		
ii.	Prevention of dental caries Prevention of periodontal disease Prevention of oral cancer Prevention of malocclusion Atraumatic Restorative Treatment(ART) Occupational Hazards Evidence Based Dentistry(EBD)	6	





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**IV BDS  
ORTHODONTICS AND DENTOFACIAL  
ORTHOPEDICS**

Course Details -IV Year B.D.S

**TEACHING HOURS:**

Mode of Teaching	IV Year B.D.S
Theory	30 Hours
Clinical	100 Hours
Total	130 Hours

**MUST KNOW**

**IV YEAR - COURSE SYLLABUS:**

Sl. No.	Subjects	Hours
1.	General Principles in Orthodontic Treatment Planning of Dental and Skeletal Malocclusions	1 Hour
2.	Anchorage in Orthodontics - Definition, Classification, Types and Stability of Anchorage	2 Hours
3.	Biomechanical Principles in Orthodontic Tooth movement a. Different types of tooth movements b. Tissue response to orthodontic force application c. Age factor in orthodontic tooth movement	2 Hours
4.	Preventive Orthodontics a. Definition b. Different procedures undertaken in preventive orthodontics and their limitations Interceptive Orthodontics a. Definition b. Different procedures undertaken in interceptive procedure c. Serial Extraction: Definition, indications, contra-indication, technique, advantages and disadvantages d. Role of muscle exercise as an interceptive orthodontics	Will Be Covered by Department of Pedodontia
5.	Corrective orthodontics a. Definition, factors to be considered during treatment planning b. Model analysis: Pont's, Ashley Howe's, Bolton, Careys, Moyer's Mixed Dentition Analysis	2 Hours



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c. Anterior open bite and deep bite d. Cross bite	
13. Principle, Differential Diagnosis and Methods of Treatment of: a. Midline diastema b. Cross bite c. Open bite d. Deep bite e. Spacing f. Crowding g. Class II - Division 1, Division 2 h. Class III - Malocclusion - True and Pseudo Class III	3 Hours
14. Retention and Relapse Definition, Need for retention, Causes of relapse, Methods of retention, Different types of retention devices, Duration of retention, Theories of retention	2 Hours
15. <b>Ethics</b>	1 Hour
16. Genetic in Orthodontics	1 Hour
17. Computers in Orthodontics	1 Hour
18. Adult Orthodontics in brief	1 Hour

**CLINICALS AND PRATICALS IN ORTHODONTICS DURING IV B.D.S - 130 Hours**

**CLINICAL TRAINING DURING IV B.D.S**

1. Case History Training
2. Case Discussion
3. Discussion on the given topic
4. Cephalometric tracings
  - a. Down's Analysis
  - b. Steiner's Analysis
  - c. Tweed's Analysis

**PRATICAL TRAINING DURING IV YEAR B.D.S**

1. Adam's Clasp on Anterior teeth Gauge 0.7mm
2. Modified Adam's Clasp on upper arch Gauge 0.7mm
3. High Labial bow with Apron spring on upper arch  
(Gauge of Labial bow - 0.9mm, Apron Spring - 0.3mm)
4. Coffin spring on upper arch Gauge 1mm
5. Appliance Construction in Acrylic
  - a. Upper and lower Hawley's Appliance
  - b. Upper Hawley's with Anterior bite plane
  - c. Upper Habit breaking Appliance



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**IV BDS  
PEDIATRIC AND PREVENTIVE  
DENTISTRY**

Lectures  
Theory  
IV Year: 45 Hours

Practicals/Clinics:  
IV Year: 100 Hours

**IV YEAR PEDODONTICS AND PREVENTIVE DENTISTRY: 45 HOURS**

Sl. No.	Subjects	Hours
1.	Child Psychology Definition Importance of understanding child psychology in pedodontics Theories Psychological development from birth through adolescence Dental fear, anxiety and their management, types of cry Application of psychology principles in dental management Psychological disorders including anorexia, bulimia Child Abuse and Neglect	4 hours
2.	Behaviour Management Definition Classification and types of behaviour Factors influencing child behaviour Non-pharmacological management of behaviour Pharmacological management of behaviour: Pharmacological principles in pediatric dentistry-drug dosage formulae Analgesics, anti inflammatory and antibiotics commonly prescribed for children Conscious sedation including nitrous oxide-oxygen inhalation anaesthesia	5 hours
3.	Fluorides Historical background Systemic fluorides-availability, agents, concentrations, advantages and disadvantages Topical fluorides-agents, composition, methods of application both for professional and home use, advantages and disadvantages Mechanism of action and its anti cariogenic effect Fluoride toxicity and its management De fluoridation techniques	4 hours



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Levels and types of prevention Preventive measures: Minimal Intervention Pit and fissure sealants Preventive resin restorations (PRR, CARR) Newer agents available for caries prevention and re mineralization Caries vaccine	
11. Nanodentistry- introduction, principles and technique -an outline	1 hour
12. Dental health education and school dental health programmes	1 hour
13. Importance of Dental Home	1 hour
14. Dental emergencies in children and their management	1 hour
15. Setting up of Paediatric dental practice including <b>ethics</b>	1 hour

**PRACTICALS / CLINICS**

1. Student is trained to arrive at proper diagnosis by following a scientific and systematic procedure of history taking and examination of orofacial region. Training is also imparted in management whenever possible.
2. In view of the above each student shall maintain a record of work done, which shall be evaluated for marks at the time of university examination.
3. The following is the minimum prescribed work:

**Pre-clinical (III Year)**

Drawing of individual primary teeth morphology  
Preparation of various cavity designs on typhodont teeth and extracted primary and permanent teeth  
Fabrication of habit breaking appliances  
Clinical exercises (IV Year)  
Case History Recording and Treatment Planning  
Communication and Management of child patient  
Preventive measures - oral prophylaxis, topical fluoride application  
Restoration of carious teeth using different materials  
Extraction of primary teeth



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**IV BDS  
PROSTHODONTICS, CROWN AND BRIDGE  
INCLUDING IMPLANTOLOGY**

**Teaching Hours:**

**Clinical:**

III year :70 hours  
IV year 300 hours

**Theory:**

III year :30 hours  
IV year :80 hours

**IV PROSTHODONTICS THEORY: 30 HOURS**

Sl. No.	Subjects	Hours
1.	Relating the patient to the articulator Articulators - articulators based on theories of occlusion - articulators based on the type of record used for their adjustment Selection of Articulator for complete dentures - Hanau articulator - Whip mix articulator - Dentatus articulator	1 hour
2.	Selecting artificial teeth for edentulous patient Anterior tooth selection Pre extraction guides size of the anterior teeth form of the anterior teeth The dentogenic concept in selecting artificial teeth Posterior tooth selection Bucco lingual width of posterior teeth mesiodistal length of posterior teeth cervico Occlusal Length of Posterior Teeth types of posterior teeth according to materials types of posterior teeth according to cusp inclines	1 hour
3.	Preliminary Arrangement Of Artificial Teeth Guides for preliminarily arranging anterior teeth Relationship to incisive papilla factors governing the anteroposterior position of the dental arch	1 hour



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<p><b>Finishing, cementing and maintenance of crowns and bridges</b> Laser and high speed.</p>	
<p><b>IMPLANTS</b></p>	
<p>34. Osseo integrated - Supported prosthesis. Introduction and scope advantages and disadvantages. Classification Applied material science, patient Evaluation pre-surgical preparation treatment plan, applied Linical, surgical and Laboratory Procedure . Osseointegrated supporting prosthesis occlusion, esthetics, insertion and maintenance. Examination, diagnosis and treatment planning and other clinical and Laboratory procedures</p>	5 hours
<p>35. Maxillofacial Prosthesis Restoration of congenital and acquired oral and para-oral Defects. (Facial Prostheses, including implant support Maxillo Facial prosthesis). Splints Obturator Carriers Bruxism and management of occlusal attrition</p>	5 hours
<p>36. Miscellaneous Patient and practice management in Prosthodontic clinic <b>Ethics, Law,</b> Jurisprudence an Forensic Odontology - in Prosthodontic practice Assistants - Laboratories and clinic Communication methods - Technician work Authorization, methods and legality</p>	5 hours
<p>37. Emergencies in Prosthodontics During impression recording in Partially, Completely Edentulous Situation and Maxillofacial Defects. Precautions and management of traumatic accidents in tooth preparation use vasoconstrictor in anaesthetic solutions and retraction cords. ill fitting dentures Broken clasps, facings Broken prosthesis Swallowing Prosthesis General Management of elderly and C.V.S. and immuno compromised patients.</p>	2 hours



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**IV BDS  
ORAL AND MAXILLOFACIAL SURGERY**

IV year BDS Theory: 50 hours

1.	Dento-alveolar surgery	Trans alveolar extraction Impacted teeth: General factors, incidence, etiology Classification and indications Assesment: clinical & radiological Anaesthetic considerations Surgical procedure Impacted maxillary third molar & Impacted Canine	1 hour 4 hours
2.	Endodontic surgery	Introduction, classification, apicectomy, replantation	
3.	Infections of the oral cavity	Introduction, microbiology, anatomy of fascial spaces, course of odontogenic infections, Spread of infection, classification, clinical features, management Dentoalveolar abscess, ludwigs angina osteomyelitis and ORN.  Hepatitis B and HIV	4 hours
4.	Cystic lesions of jaws	Definition, classification and pathogenesis Diagnosis, clinical features, radiological, aspiration biopsy, use of contrastmedia and histopathology Management-types of surgical procedures, and complications	3 hours
5.	Oral Implantology	Principles of implantology	2 hours
6.	<b>Ethics</b>		1 hour
7.	Preprosthetic surgery	Introduction, aims, classification Corrective procedures - hard & soft tissues Ridge extension and augmentation procedures	2 hours
8.	Diseases of maxillary Sinus	Surgical anatomy, Acute & chronic sinusitis	1 hour
		Oro antral fistula & Surgical approach for sinus	1 hour



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## CONTENTS

### NOTIFICATION

SECTION I: Goals of Education and Training in Dental Science of RGUHS

SECTION II: Aims and Objectives of BDS Course

SECTION III: Regulation Relating to BDS Course

SECTION IV: B. D.S course Syllabus

#### I BDS

- i. General Human Anatomy including Embryology and Histology
- ii. General Human Physiology, Biochemistry, Nutrition and Dieties.
- iii. Dental Anatomy, Embryology and Oral Histology.
- iv. Dental Materials.
- v. Preclinical Prosthodontics and Crown & Bridge.

#### II BDS

- i. General Pathology and Microbiology
- ii. General and Dental Pharmacology and Therapeutics.
- iii. Dental Materials.
- iv. Preclinical Conservative Dentistry.
- v. Preclinical Prosthodontics and Crown & Bridge.
- vi. Oral Pathology & Oral Microbiology.

#### III BDS

- i. General Medicine.
- ii. General Surgery.
- iii. Oral Pathology and Oral Microbiology.
- iv. Conservative Dentistry & Endodontics.
- v. Oral & Maxillofacial Surgery.
- vi. Oral Medicine and Radiology
- vii. Orthodontics & Dentofacial Orthopaedics.
- viii. Paediatric & Preventive Dentistry.
- ix. Periodontology.
- x. Prosthodontics and Crown & Bridge.
- xi. Public Health Dentistry.

#### IV BDS

- i. Orthodontics & Dentofacial Orthopaedics.
- ii. Oral Medicine and Radiology.
- iii. Paediatric & Preventive Dentistry.
- iv. Periodontology.
- v. Oral & Maxillofacial Surgery.
- vi. Prosthodontics and Crown and Bridge.
- vii. Conservative Dentistry & Endodontics.
- viii. Public Health Dentistry.

### SECTION V: Ethics in Dentistry

  
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**Research Ethics:**

Animal and experimental research/humanness  
Human experimentation  
Human volunteer research-informed consent  
Drug trials

Ethical workshop of cases  
Gathering all scientific factors  
Gathering all value factors  
Identifying areas of value-conflict, setting of priorities  
Working out criteria towards decisions

**Recommended Reading:**

Francis C.M., Medical Ethics, 1 Ed. 1993, Jaypee Brothers, New Delhi p 189.

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## REVISED RGUHS M.D.S. SYLLABUS

### APPLICABLE TO MAY- 2018 ADMITTED MDS

#### STUDENTS AND ONWARDS


#### SECTION I REGULATIONS

1. **Title of the Course:** It shall be called Master of Dental Surgery (MDS).
2. **Branches of Study:** The following are the subjects of specialty for the MDS degree:
  - a. Prosthodontics and Crown & Bridge
  - b. Periodontology
  - c. Oral & Maxillofacial Surgery
  - d. Conservative Dentistry and Endodontics
  - e. Orthodontics & Dentofacial Orthopedics
  - f. Oral & Maxillofacial Pathology & Oral Microbiology:
  - g. Public Health Dentistry
  - h. Pediatric Dentistry
  - l. Oral Medicine & Radiology

#### 3. Eligibility

A candidate for admission to the MDS course (Master of Dental Surgery) must have a recognized degree of BDS (Bachelor of Dental Surgery) awarded by an Indian University in respect of recognized Dental College under Section 10(2) of the Dentists Act, 1948 or an equivalent qualification recognized by the Dental Council of India and should have obtained permanent registration with any of the State Dental Council.

Candidates who possess PG Diploma recognized by the DCI with the duration of 2 years in particular specialty is eligible for admission in MDS in the same specialty and the duration will be 2 years. The syllabus of the two years programme i.e PG- Diploma will be as per the existing DCI/university guidelines.

  
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Bangalore - 560 068.



## CHILDREN'S EDUCATION SOCIETY (Regd.)

### Administrative Office:

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#### Part-II:

Paper-I: Oral and Maxillofacial Radiology

Paper-II: Oral Medicine, therapeutics and laboratory investigations

Paper-III: Descriptive and analyzing type question

## SECTION II

### GOALS & OBJECTIVES OF MDS COURSE

#### Goals:

**The goals of postgraduate training in various specialties is to train B.D.S. graduate who will, after successful completion of the course:**

© Practice respective specialty efficiently and effectively, backed by scientific knowledge and skill.

© Exercise empathy and a caring attitude and maintain high ethical standards.

© Continue to evince keen interest in continuing professional education in the specialty and allied specialties irrespective of whether in teaching or practice.

© Willing to share the knowledge and skills with any learner, junior or a colleague.

©Develop the faculty for critical analysis and evaluation of various concepts and views, to adopt the most rational approach.

#### Objectives:

The objective is to train a candidate so as to ensure higher competence in both general and special area of interest and prepare him for a career in teaching, research and specialty practice. A candidate must achieve a high degree of clinical proficiency in the subject matter and develop competence in research and its methodology as related to the field concerned.

The above objectives are to be achieved by the time the candidate completes the course. The objectives may be considered as under -

1. Knowledge (Cognitive domain)
2. Skills (Psycho motor domain)
3. Human values, ethical practice and communication abilities

#### Knowledge:



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- © Demonstrate understanding of basic sciences relevant to specialty.
- © Describe etiology, pathophysiology, principles of diagnosis and management of common problems within the specialty in adults and children.
- © Identify social, economic, **environmental and emotional determinants** in a given case and take them into account for planning treatment.
- © Recognize conditions that may be outside the area of specialty/competence and to refer them to an appropriate specialist.
- © Update knowledge by self-study and by attending courses, conferences, seminars relevant to specialty.
- © Undertake audit, use information technology and carry out research with the aim of publishing or presenting the work at various scientific gatherings.

#### Skills:

1. Take a proper clinical history, examine the patient, perform essential diagnostic procedures and order relevant tests and interpret them to come to a reasonable diagnosis about the condition.
2. Acquire adequate skills and competence in performing various procedure required in the specialty.

#### **Human values, ethical practice and communication abilities:**

- © Adopt ethical principles in all aspects of practice.
- © Professional honesty and integrity are to be fostered.
- © Patient care is to be delivered irrespective of social status, caste, creed or religion of the patient.
- © Develop communication skills, in particular and skill to explain various options available in management and to obtain a true informed consent from the patient
- © Provide leadership and get the best out of his team in a congenial working atmosphere.
- © Apply high moral and ethical standards while carrying out human or animal research.
- © Be humble and accept the limitations in his knowledge and skill and to ask for help from colleagues when needed.
- © **Respect patient's rights and privileges including patient's right to information and right to seek a second opinion.**

## SECTION III

### COURSE DESCRIPTION OF VARIOUS SPECIALTIES



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## 9. Oral Medicine and Radiology

Oral Medicine is that specialty of dentistry concerned with the basic diagnostic procedures and techniques useful in recognizing the diseases of the oral tissues of local and constitutional origin and their medical management.

Radiology is a science dealing with x-rays and their uses in diagnosis and treatment of diseases in relation to orofacial diseases.

## 2. Course contents

### Prosthodontics

To train dental graduates so as to ensure higher competence in both general and special area of Prosthodontics and prepare a candidate for teaching, research and clinical abilities including prevention and after care in prosthodontics including crown and bridge-and implantology.

#### General Objectives of the Course:

- © Training programme in Prosthodontic dentistry including Crown & Bridge & Implantology is structured to achieve knowledge and skill in theoretical and clinical laboratory, attitude, communicative skills and ability to research with understanding of social, cultural, education and environmental background of the society
- © To have acquired adequate knowledge and understanding of applied basic and systematic medical science knowledge in general and particular to head and neck.
- © The postgraduates will be able to provide Prosthodontic therapy for patients with competence and working knowledge with understanding of applied medical, behavioral and clinical science that are beyond the treatment skills of the general BDS graduate and MDS graduate of other specialties to demonstrate evaluative and judgment skills in making appropriate decisions regarding prevention, treatment aftercare and referral to deliver comprehensive care to patients.

### Knowledge

The candidate should possess knowledge applied basic and systematic medical sciences.

- © On human anatomy, embryology, histology, applied in general and particular to head and neck, Physiology & Biochemistry, Pathology and microbiology, virology, Health and diseases of various systems of the body (systemic) principles in surgery and medicine, Pharmacology, Nutrition,



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behavioral Science, Age changes, genetics, Immunology, Congenital defects and syndrome and Anthropology, Bioengineering, Bio-medical and Biological Principle and application Dental material science

- © Ability to diagnose and plan treatment for patients requiring a Prosthodontic therapy
- © Ability to read and interpret a radiograph and other investigations for the purpose of diagnosis treatment planning.
- © Tooth and tooth surface restorations, Complete denture prosthodontics, removable partial dentures Prosthodontics, fixed prosthodontics and maxillofacial and Craniofacial Prosthodontics, implants supported Prosthodontics, T.M.J, and occlusion, craniofacial esthetic, and biomaterials. Craniofacial disorders , problems of psychogenic origin.
- © Age changes and Prosthodontic Therapy for aged.
- © Ability to diagnose failed restoration and provide Prosthodontic therapy and after care.
- © Should have essential knowledge on **ethics**, laws and Jurisprudence and forensic odontology in Prosthodontics
- © General health conditions and emergency as related to prosthodontics treatment,
- © Identify social, cultural, economic, environmental, educational and emotional determinants of the patient and consider them in planning the treatment.
- © Identify cases, which are outside the area of his specialty/ competence and refer them to appropriate specialists.
- © Advice regarding case management involving surgical, interim treatment etc.
- © Competent specialization in team management of craniofacial design.
- © Should attend continuing education programmes, seminars and conferences related to prosthodontics in thus updating himself/herself.
- © Teach and guide his / her team, colleague and other students.
- © Should be able to use information technology tools and carry out research basic and clinical, with the aims of publishing his/ her work and presenting his/her work at various scientific forums.
- © Should have essential knowledge of personal hygiene, infection control, prevent of cross infection and safe disposal of waste, keeping in view the risks of transfer of Hepatitis & HIV
- © Should have an ability to plan to establish Prosthodontic clinic/department in a teaching hospital



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© Should have a sound knowledge for the application of pharmacology, effects of drugs on oral tissues and systems of the body and on medically compromised individuals.

### Skills

© The candidate should be able to examine the patients requiring Prosthodontic therapy, investigate the patient systemically, analyze the investigation results,

radiography, diagnose the ailment, plan a treatment, communicate it with the patient and execute it.

© Understand the prevalence and prevention of diseases of craniomandibular system related to Prosthetic dentistry.

© The candidate should be able to restore the lost functions of the stomatognathic system namely speech, mastication etc to provide a quality health care for craniofacial region

© The candidate should be able to interact with other speciality including a medical speciality for a planned team management of patients for a craniofacial and oral acquired and congenital defects, Temporomandibular joint syndromes, esthetics, Implant supported Prosthetics and problems of Psychogenic origin,

© Should be able to demonstrate the clinical competence necessary to carry out appropriate treatment at higher level of knowledge, training and practice skills currently available in their specialty area.

© Identify target diseases and awareness amongst the population for Prosthodontic therapy.

© Perform clinical and Laboratory procedure with understanding of biomaterials, tissue conditions related to prosthesis and have competent dexterity and skill for performing clinical and laboratory procedures in fixed, removable, implant and maxillofacial TMJ, esthetics Prosthodontics.

© Laboratory technique management based on skills and knowledge of Dental Materials and dental equipment and instruments,

© To understand demographic distribution and target diseases of Cranio mandibular region related to Prosthodontic including crown & bridge and implantology.

### Attitudes

© **Adopt ethical principles** in all Prosthodontic practice. Professional honesty and integrity are to be fostered. Treatment to be delivered irrespective of social status, caste, creed or religion of patient.

© Willing to share the knowledge and clinical experience with professional colleagues.



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© Willing to adopt new methods and techniques in prosthodontics from time to time based on scientific research, which is in patient's best interest.

© Respect patient's rights and privileges including patients right to information and right to seek second opinion.

### Communication Abilities

© Develop communication skills, in particular, to explain treatment option available in management.

© Provide leadership and get the best out of his group in a congenial working atmosphere.

© Should be able to communicate in simple understandable language with the patient and explain the principles of prosthodontics to the patient. He should be able to guide and counsel the patient with regard to various treatment modalities available.

© Develop the ability to communicate with professional colleagues through various media like Internet, e-mail, videoconference, and etc. to render the best possible treatment.

### Course Contents

© The candidates shall undergo training for 3 academic years with satisfactory attendance of 80% for each year.

© The course includes epidemiology and demographic studies, research and teaching skills.

© Ability to prevent, diagnose and treat with after care for all patients for control of diseases and / or treatment related syndromes with patient satisfaction for restoring functions of Stomatognathic system by Prosthodontic therapy

The program outline addresses the knowledge, procedural and operative skills needed in Masters Degree in Prosthodontics. A minimum of 3 years of formal training through a graded system of education as specified will enable the trainee to achieve Masters Degree in Prosthodontics including Crown & Bridge and Implantology, competently and have the necessary skills/ knowledge to update themselves with advancements in the field. The course content has been identified and categorized as Essential knowledge as given below.

### Essential Knowledge

The topics to be considered are: Basic Sciences, Biological and mechanical considerations in Prosthodontics including Crown and Bridge Implantology and Material Science.

### APPLIED BASIC SCIENCES

© Although knowledge on the applied aspects of Anatomy, Embryology, Histology and applied in general and particular to head and neck, Physiology, Biochemistry, Pathology and Microbiology, Virology.





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presentation and discussion on dissertation also.

ii. Pedagogy Exercise: 20 marks

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

## PERIODONTOLOGY

### Objectives

The following objectives are laid out to achieve the goals of the course

### Knowledge

- © Discuss historical perspective to advancement in the subject proper and related topics
- © Describe etiology, pathogenesis, diagnosis and management of common periodontal diseases with emphasis on Indian population
- © Familiarize with the biochemical, microbiologic and immunologic genetic aspects of periodontal pathology
- © Describe various preventive periodontal measures
- © Describe various treatment modalities of periodontal disease from historical aspect to currently available ones
- © Describe interrelationship between periodontal disease and various systemic conditions
- © Describe periodontal hazards due to iatrogenic causes and deleterious habits and prevention of it
- © Identify rarities in periodontal disease and environmental/ Emotional determinates in a given case
- © Recognize conditions that may be outside the area of his Speciality/competence and refer them to an appropriate Specialist
- © Decide regarding non-surgical or surgical management of the case
- © Update him by attending course, conferences and seminars relevant to periodontics or by self-learning process.
- © Plan out/ carry out research activity both basic and clinical aspects with the aim of publishing his/her work in scientific journals
- © Reach to the public to motivate and educate regarding periodontal disease, its prevention and consequences if not treated
- © Plan out epidemiological survey to assess prevalence and incidence of early onset periodontitis



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and adult periodontitis in Indian population (Region wise)

- © Shall develop knowledge, skill in the science and practice of Oral Implantology
- © Shall develop teaching skill in the field of Periodontology and Oral Implantology

**SKILL**

©Take a proper clinical history, thorough examination intra orally, extra orally, medical history evaluation, advice essential diagnostic procedures and interpret them to come to a reasonable diagnosis

©Effective motivation and education regarding periodontal disease and maintenance after the treatment

©Perform both non-surgical & education regarding periodontal disease, maintenance after the treatment

©Perform both non-surgical and surgical procedures independently

©Provide Basic Life Support Service (BLS)

**Human values, ethical practice & communication abilities**

© Adopt ethical principles in all aspects of treatment modalities, Professional honesty & integrity are to be fostered. Develop Communication skills to make awareness regarding periodontal disease Apply high moral and ethical standards while carrying out human or animal research, Be humble, accept the limitations in his/her knowledge and skill, and ask for help from colleagues when needed, **Respect patients rights and privileges, including patients right to information and right to seek a second opinion.**

**Course Contents**

Applied Anatomy:

1. Development of the Periodontium
2. Micro and Macro structural anatomy and biology of the periodontal tissues
3. Age changes in the periodontal tissues
4. Anatomy of the Periodontium
  - ©Macroscopic and microscopic anatomy
  - ©Blood supply of the Periodontium
  - ©Lymphatic system of the Periodontium
  - ©Nerves of the Periodontium
5. Temporomandibular joint, Maxillae and Mandible



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#### 2<sup>nd</sup> day

Post-surgical review and discussion of the case treated on the 1<sup>st</sup> day Presentation of dissertation & discussion

All the examiners shall participate in all the aspects of clinical examinations / Viva Voce

Distribution of Marks for Clinical examination (recommended)

a) Long Case discussion	50
b) 2 short cases	50
c) Periodontal surgery	75
d) Post — operative review	25
Total	200

**C. Viva Voce: 100 Marks**

#### i. Viva- Voce examination: 80 marks

All examiners will conduct viva-voce conjointly 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 dissertation also.

#### ii. Pedagogy: 20 marks

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

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

## ORAL AND MAXILLOFACIAL SURGERY

### Objective :

The training program in Oral and Maxillofacial Surgery is structured to achieve the following four objectives-

© Knowledge

© Skills

©Attitude

© Communicative skills and ability

Knowledge:

© To have acquired adequate knowledge and understanding of the etiology, patho physiology and diagnosis, treatment planning of various common oral and Maxillofacial surgical problems both minor and major in nature.



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© To have understood the general surgical principles like pre and post surgical management, particularly evaluation, post surgical care, fluid and electrolyte management, blood transfusion and post surgical pain management.

© Understanding of basic sciences relevant to practice or oral and maxillofacial surgery.

© Able to identify social, cultural, economic, genetic and environmental factors and their relevance to disease process management in the oral and Maxillofacial region.

© Essential knowledge of personal hygiene and infection control, prevention of cross infection and safe disposal of hospital waste keeping in view the high prevalence of hepatitis and HIV.

#### Skill

© To obtain proper clinical history, methodical examination of the patient, perform essential diagnostic procedures and order relevant laboratory tests and interpret them and to arrive at a reasonable diagnosis about the surgical condition.

© To perform with competence minor oral surgical procedures and common maxillofacial surgery. To treat both surgically and medically (or by other means of the oral and Maxillofacial and the related area).

© Capable of providing care for maxillofacial surgery patients.

#### Attitude:

© Develop attitude to adopt ethical principles in all aspect of surgical practice, professional honesty and integrity are to be fostered. Surgical care is to be delivered irrespective of the social status, caste, creed or religion of the patient.

© Willing to share the knowledge and clinical experience with professional colleagues.

© Willing to adopt new techniques of surgical management developed from time to time based on scientific research which are in the best interest of the patient

© Respect patient's right and privileges, including patients right to information and right to seek a second opinion.

© Develop attitude to seek opinion from an allied medical and dental specialists as and when required.

#### Communication skills:

© Develop adequate communication skills particularly with the patients giving them the various options available to manage a particular surgical problem and obtain a true informed consent from them for the most appropriate treatment available at that point of time

© Develop the ability to communicate with professional colleagues.

© Develop ability to teach undergraduates.

#### Course content:

The program outline addresses both the knowledge needed in Oral and Maxillofacial Surgery and allied medical specialties in its scope. A minimum of three years of formal training through a graded system of education as specified will equip the trainee with skill and knowledge at its completion to be able to practice basic oral and Maxillofacial surgeon competently and have the ability to intelligently pursue



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#### i. Viva-voce examination: 80 marks

All examiners will conduct viva-voce conjointly 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 dissertation also.

#### ii. Pedagogy Exercise: 20 marks

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

### CONSERVATIVE DENTISTRY and ENDODONTICS

The following objectives are laid out to achieve the goals of the course. These are to be achieved by the time the candidate completes the course. These objectives may be considered under the following subtitles.

#### Knowledge

At the end of 36 months of training, the candidates should be able to:

- © Describe aetiology, pathophysiology, periapical diagnosis and management of common restorative situations, endodontic situations that will include contemporary management of dental caries, management of trauma and pulpal pathoses including periodontal situations.
- © Demonstrate understanding of basic sciences as relevant to conservative / restorative dentistry and Endodontics.
- © Identify social, economic, **environmental and emotional determinants** in a given case or community and take them into account for planning and execution at individual and community level.
- © Ability to master differential diagnosis and recognize conditions that may require multi disciplinary approach or a clinical situation outside the realm of the specialty, which he or she should be able to recognize and refer to appropriate specialist.

© Update himself by self-study and by attending basic and advanced courses, conferences, seminars, and workshops in the specialty of Conservative Dentistry- Endodontics-Dental Materials and Restorative Dentistry.

© Ability to teach, guide, colleagues and other students. Use information technology tools and carry out research both basic and clinical with the aim of publishing his/her work and presenting the same at scientific platforms

#### Skills

© Take proper chair side history, examine the patient and perform medical and dental diagnostic procedures and order as well as perform relevant tests and interpret to them to come to a reasonable diagnosis about the dental condition in general and Conservative Dentistry - Endodontics in particular. And undertake complete patient monitoring including preoperative as well as post operative care of the patient.



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© Perform all levels of restorative work and surgical and non-surgical Endodontics including endodontic endosseous implants, as well as endodontic-periodontal surgical procedures as part of multidisciplinary approach to clinical condition.

© Provide basic life saving support in emergency situations.

© Manage acute pulpal and pulpo periodontal situations.

© Have a thorough knowledge of infection control measures in the dental clinical environment and laboratories.

#### Human Values, Ethical Practice and Communication Abilities

© Adopt ethical principles in all aspects of restorative and contemporaries Endodontics" including non-surgical and surgical Endodontics. © Professional honesty and integrity should be the top priority.

© Dental care has to be provided regardless of social status, caste, creed or religion of the patient.

© Develop communication skills- in particular to explain various options available management and to obtain a true informed consent from the patient.

© Apply high moral and ethical standards while carrying on human or animal research .He / She shall not carry out any heroic procedures and must know his limitations in performing all aspects of restorative dentistry including Endodontics. Ask for help from colleagues or seniors when required without hesitation

#### Respect patient's rights and privileges including patients right to information.

#### Course Contents :

##### Applied Anatomy of Head and Neck

© Development of face, paranasal sinuses and the associated structures and their anomalies, cranial and facial bones, TMJ anatomy and function, arterial and venous drainage of head and neck, muscles of face and neck including muscles of mastication and deglutition, brief consideration of structures and function of brain. Brief consideration of all cranial nerves and autonomic nervous system of head and neck. Salivary glands, Functional anatomy of mastication, deglutition and speech. Detailed anatomy of deciduous and permanent teeth, general consideration in physiology of permanent dentition, form, function, alignment, contact, occlusion.)

© Internal anatomy of permanent teeth and its significance

© Applied histology, histology of skin, oral mucosa, connective tissue, bone cartilage, blood vessels, lymphatics, nerves, muscles, tongue.

##### Development of Teeth

© Enamel - development and composition, physical characteristics, chemical properties, structure

© Age changes - clinical structure

© Dentin - development, physical and chemical properties, structure type of dentin, innervations, age and functional changes.

© Pulp - development, histological structures, innervations, functions, regressive changes, clinical considerations.



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## ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS

The training programme in Orthodontics is to structure and achieve the following four objectives **Knowledge of**

1. The dynamic interaction of biologic processes and mechanical forces acting on the stomatognathic system during orthodontic treatment
2. The etiology, pathophysiology, diagnosis and treatment planning of various common Orthodontic problems
3. Various treatment modalities in Orthodontics preventive interceptive and corrective.
4. Basic sciences relevant to the practice of Orthodontics
5. Interaction of social, cultural, economic, genetic and environmental factors and their relevance to management of oro - facial deformities
6. Factors affecting the long-range stability of orthodontic correction and their management
7. Personal hygiene and infection control, prevention of cross infection and safe disposal of hospital waste, keeping in view the high prevalence of Hepatitis and HIV and other highly contagious diseases.

### Skills

1. To obtain proper clinical history, methodical examination of the patient, perform essential diagnostic procedures, and interpret them and arrive at a reasonable diagnosis about the Dentofacial deformities.
2. To be competent to fabricate and manage the most appropriate appliance - intra or extra oral, removable or fixed, mechanical or functional, and active or passive - for the treatment of any orthodontic problem to be treated singly or as a part of multidisciplinary treatment of orofacial deformities.

### Attitudes:

1. Develop an attitude to **adopt ethical principles in** all aspects of Orthodontic practice.
2. Professional honesty and integrity are to be fostered
3. Treatment care is to be delivered irrespective of the social Status, cast, creed or colleagues
4. Willingness to share the knowledge and clinical experience with professional colleagues
5. Willingness to adopt, after a critical assessment, new methods and techniques of orthodontic management developed from time to time based on scientific research, which are in the best interest of the patient
6. **Respect patients rights and privileges, including patients right to information and right to seek a second opinion**
7. Develop attitude to seek opinion from allied medical and dental specialists as and when required

### Communication skills



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- © Stages of child development.
- © Theories of psychological development.
- © Management of child in orthodontic treatment.
- © Management of handicapped child.
- © Motivation and Psychological problems related to malocclusion / orthodontics
- © Adolescent psychology
- © Behavioral psychology and communication

#### XV. Diagnostic procedures and treatment planning in orthodontics

- © Emphasis on the process of data gathering, synthesis and translating it into a treatment plan
- © Problem cases - analysis of cases and its management
- © Adult cases, handicapped and mentally retarded cases and their special problems
- © Critique of treated cases. Cephalometrics
- © Instrumentation
- © Image processing
- © Tracing and analysis of errors and applications
- © Radiation hygiene
- © Advanced Cephalometrics techniques
- © Comprehensive review of literature
- © Video imaging principles and application.

#### XVII. Practice management in Orthodontics

- © Economics and dynamics of solo and group practices
- © Personal management
- © Materials management
- © Public relations
- © Professional relationship
- © **Dental ethics** and jurisprudence
- © Office sterilization procedures
- © Community based Orthodontics.

#### XVIII. Clinical Orthodontics Myofunctional Orthodontics:

- © Basic principles
- © Contemporary appliances - their design and manipulation
- © Case selection and evaluation of the treatment results
- © Review of the current literature.





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### Viva-voce and Pedagogy : 100 Marks

#### B. Practical / Clinical Examination : 200 Marks

No	Exercise	Marks allotted	Approximate time
1	Functional appliance, • case discussion, bite registration, fabrication and delivering of the appliance	50	1 hour 1 hour
2	III stage mechanics/ Bonding/ arch wire fabrication	50	1 hour 30 min
3	Display of case records (a minimum of 5 patients to be presented with all the records)	75	1 hour
4	Long cases	25	2 hours

#### C Viva Voce : 100 Marks

##### i. Viva-Voce examination: 80 marks

All examiners will conduct viva-voce conjointly 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 dissertation also.

##### ii. Pedagogy Exercise: 20 marks

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

#### ORAL AND MAXILLOFACIAL PATHOLOGY; AND ORAL MICROBIOLOGY

##### objectives

© To train a post graduate dental surgeon so as to ensure higher competence in both general and special pathology dealing with the nature of oral diseases, their causes, processes and effects.

© An oral pathologist is expected to perform routine histopathological evaluation of specimens relating to oral and perioral tissues, to carry out routine diagnostic procedures including hematological, cytological, microbiological, Immunological and ultrastructural investigations.

© He/she is expected to have an understanding of current research methodology, collection and interpretation of data, ability to carry out research projects on clinical and/or **epidemiological** aspects,



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(2) Part II (3 papers of 100 Marks):-

(i) Paper-I: 2 long essay questions of 25 marks each and 5 short essays of 10 marks each. (Total of 100 Marks)

(ii) Paper-II: 2 long essay questions of 25 marks each and 5 short essays of 10 marks each. (Total of 100 Marks)

(iii) Paper III: 2 out of 3 essay questions (50 x 2 = 100 Marks)

Practical and Clinical Examination : 200 Marks

Viva-voce and Pedagogy : 100 Marks

B. Practical/Clinical - 200 Marks

1. Case Presentation

a) Long case - 20 marks

b) Short case — 10 marks

2. Clinical Hematology (any two investigations) - 20 Marks

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

3. Smear Presentation - 20 marks

4. Cytology or microbial smear and staining

5. Paraffin sectioning and H & E Staining - 30 Marks

6. Histopathology slide discussion - 100 Marks

C. Viva Voce 100 Marks

i. Viva-Voce examination: 80 marks

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

iii. Pedagogy Exercise: 20 marks

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

**PUBLIC HEALTH DENTISTRY**



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## Objectives

### At the end of 3 years of training the candidate should be able to: Knowledge

- © apply basic sciences knowledge regarding etiology, diagnosis and management of the prevention, promotion and treatment of all the oral conditions at the individual and community level.
- © Identify social, economic, **environmental and emotional determinants** in a given individual patient or a community for the purpose of planning and execution of Community Oral Health Program.
- © Ability to conduct Oral Health Surveys in order to identify all the oral health problems affecting the community and find solutions using multi - disciplinary approach. © Ability to act as a consultant in community Oral Health, teach, guide and take part in research (both basic and clinical), present and publish the outcome at various scientific conferences and journals, both national and international level.

## Skills

The candidate should be able to

1. Take history, conduct clinical examination including all diagnostic procedures to arrive at diagnosis at the individual level and conduct survey of the community at state and national level of all conditions related to oral health to arrive at community diagnosis. Plan and perform all necessary treatment, prevention and promotion of Oral Heal at the individual and community level.
2. Plan appropriate Community Oral Health Program, conduct the program and evaluate, at the community level.
3. Ability to make use of knowledge of epidemiology to identify causes and appropriate preventive and control measures.
4. Develop appropriate person power at various levels and their effective utilization.
5. Conduct survey and use appropriate methods to impart Oral Health Education.
6. Develop ways of helping the community towards easy payment plan, and followed by evaluation for their oral health care needs.
7. Develop the planning, implementation, evaluation and administrative skills to carry out successful community Oral Health Programs.

## Values:

1. **Adopt ethical principles** in all aspects of Community Oral Health Activities.
2. To apply ethical and moral standards while carrying out epidemiological researches.
3. Develop communication skills, in particular to explain the causes and prevention of oral diseases to the patient.
4. Be humble and accept the limitations in his knowledge and skill and to ask for help from colleagues when



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needed and promote teamwork approach.

5. Respect patient's rights and privileges including patients right to information and right to seek a second opinion.

**Course Contents:**

**Paper I: Applied Basic Sciences**

**I. Applied Anatomy and Histology**

**A. Applied Anatomy in relation to:**

- # Development of face
- # Bronchial arches
- # Muscles of facial expression
- # Muscles of mastication
- # TMJ
- # Salivary gland
- # Tongue
- # Salivary gland
- # Tongue
- # Hard and soft palate
- # Infratemporal fossa
- # Paranasal air sinuses
- # Pharynx and larynx
- # Cranial and spinal nerves- with emphasis on trigeminal, facial, glossopharyngeal and hypoglossal nerve
- # Osteology of maxilla and mandible
- # Blood supply, venous and lymphatic drainage of head and neck
- # Lymph nodes of head and neck
- # Structure and relations of alveolar process and edentulous mouth

# Genetics-fundamentals

**B. Oral Histology**

- # Development of dentition, Innervations of dentin and pulp
- # Periodontium-development, histology, blood supply, nerve supply and lymphatic drainage
- # Oral mucous membrane



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#### 1. Public Health

- Definition, concepts and philosophy of dental health
- History of public health in India and at international level
- Terminologies used in public health

#### 2. Health

- Definition, concepts and philosophy of health
- Health indicators
- Community and its characteristics and relation to health

#### 3. Disease

- Definition, concepts.
- Multifactorial causation, natural history, **risk factors**
- Disease control and eradication, evaluation and causation, infection of specific diseases
- Vaccines and immunization

#### 4. General **Epidemiology**

- Definition and aims, general principles
- Multifactorial causation, natural history, **risk factors**
- Methods in epidemiology, descriptive, analytical, experimental and classic epidemiology of specific diseases, uses of epidemiology
- Duties of epidemiologist
- General idea of method of investigating chronic diseases, mostly non-infectious nature, epidemic, endemic, and pandemic.
- Ethical conversation in any study requirement
- New knowledge regarding ethical subjects
- Screening of diseases and standard procedures used

#### 5. **Environmental Health:**

- Impact of important components of the environment of health
- Principles and methods of identification, evaluation and control of such health hazards
- Pollution of air, water, soil, noise, food
- Water purification, international standards of water
- Domestic and industrial toxins, ionizing radiation
- Occupational hazards
- Waste disposal- various methods and sanitation

#### 6. Public Health Education:

- Definition, aims, principles of health education
- Health education, methods, models, contents, planning health education programs



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#### 7. Public Health Practice and Administration System In India

#### 8. Ethics and Jurisprudence

- Basic principles of law
- Contract laws- dentist - patient relationships & Legal forms of practice
- Dental malpractice
- Person identification through dentistry
- Legal protection for practicing dentist.
- Consumer protection act

#### 9. Nutrition In Public Health:

- Study of science of nutrition and its application to human problem e Nutritional surveys and their evaluations

e Influence of nutrition and diet on general health and oral health, dental caries, periodontal disease and oral cancers

- Dietary constituents and carcinogenicity Guidelines for nutrition

#### 10. Behavioral Sciences:

- Definition and introduction
- Sociology: social class, social group, family types, communities and social relationships, culture, its effect on oral health.
- Psychology: definition, development of child psychology, anxiety, fear and phobia, intelligence, learning, motivation, personalities, fear, dentist-patient relationship, modeling and experience

#### 11 Hospital Administration:

- Departmental maintenance, organizational structures
- Types of practices
- Biomedical waste management

#### 12..Health Care Delivery System:

- International oral health care delivery systems - Review
- Central and state system in general and oral health care delivery system if any
- National and health policy
- National health programme
- Primary health care - concepts, oral health in PHC and its implications
- National and international health organizations
- Dentists Act 1928, Dental council of India, Ethics, Indian Dental Association
- Role of W.H.O. and Voluntary organizations in Health Care for the Community

#### 13. Oral Biology And Genetics:

- # A detailed study of cell structure



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4 Problem solving - a hypothetical oral health situation existing in a community is given with sufficient data. The student as a specialist in community dentistry is expected to suggest practical solutions to the existing oral health situation of the given community.

(50 Marks -1 Hour)

C. Viva Voce 100 Marks

i. Viva-Voce examination: 80 marks

All examiners will conduct viva-voce conjointly 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 dissertation also.

ii. Pedagogy Exercise: 20 marks

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

### PEDIATRIC DENTISTRY

At the end of 3 years of training the candidate should be able to

1. Create not only a good oral health in the child but also a good citizen tomorrow.
2. Instill a positive attitude and behavior in children
3. Understand the principles of prevention and preventive dentistry right from birth to adolescence
4. Guide and counsel the parents in regards to various treatment modalities including different facets of preventive dentistry
5. Prevent and intercept developing malocclusion

#### Skills

1. Obtain proper clinical history, methodological examination of the child patient, perform essential diagnostic procedures and interpret them, and arrive at a reasonable diagnosis and treat appropriately
2. Be competent to treat dental diseases which are occurring in child patient.
3. Manage to repair and restore the lost tooth structure to maintain harmony between both hard and soft tissues of the oral cavity.
4. Manage the disabled children effectively and efficiently, tailored to the needs of individual requirement and conditions.

#### Attitudes

1. Develop an attitude to **adopt ethical principles** in all aspects of Pedodontic practice.
2. Professional honesty and integrity are to be fostered



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3. Treatment care is to be delivered irrespective of the social status, cast, creed, and religion of the patients.
4. Willingness to share the knowledge and clinical experience with professional colleagues.
5. Willingness to adopt, after a critical assessment, new methods and techniques of Pedodontic management developed from time to time, based on scientific research, which are in the best interest of the child patient.
6. Respect child patient's rights and privileges, including child patients right to information and right to seek a second opinion.
7. Develop an attitude to seek opinion from allied medical and dental specialities, as and when required

#### Course contents

1. Applied Anatomy & genetics
2. Applied Physiology
3. Applied Pathology
4. Nutrition and Dietetics

5. Growth & Development: Prenatal and postnatal development of cranium, face, jaws, teeth and supporting structures. Chronology of dental development and development of occlusion. Dimensional changes in dental arches. Cephalometric evaluation of growth.

6. Child Psychology: Development & Classification of behavior, personality, intelligence in children, theories of child psychology, stages of psychological child development, fear anxiety, apprehension and its management

7. Behavior Management: Non-pharmacological and Pharmacological methods.

8. Child Abuse & Dental Neglect

9. Conscious Sedation, Deep Sedation and General Anesthesia in Pediatric Dentistry: (Including Other Drugs, Synergic & Antagonistic Actions of Various Drugs Used in Children)

10. Preventive Pedodontics: Concepts, chair side preventive measures for dental diseases, high-risk caries including rampant & extensive caries - Recognition, Features & Preventive Management, Pit and Fissures Sealants, Oral Hygiene measures, Correlation of brushing with dental caries and periodontal diseases. Diet and Nutrition as related to dental caries. Diet Counseling

11. Dental Plaque: Definition, Initiation, Pathogenesis, Biochemistry, and Morphology & Metabolism.

12. Microbiology & Immunology as related to Oral Diseases in Children. Basic concepts, immune system in human body, Auto Immune diseases, Histopathology, Pathogenesis, Immunology of dental caries, Periodontal diseases. Tumors, Oral Mucosal lesions etc.

13. Gingival and Periodontal diseases in Children:





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### Section V Ethics in Dentistry

Introduction: There is a definite shift now from the traditional patient and doctor relation and delivery of dental care. With the advances in science and technology and the increased needs of the patient, their families and community, there is a concern for the health of community as a whole. There is a shift to greater accountability to the society. Specialists like the other health professionals are confronted with many ethical problems. It is therefore absolutely necessary for each and every one in the health care delivery to prepare themselves to deal with these problems. To accomplish this and develop human values, it is desired that all the trainees undergo ethical sensitization by lectures or discussion on ethical issues, discussion of cases with an important ethical component.

Course Content: Introduction to ethics -

- What is ethics?
- What are values and norms?
- How to form a value system in one's personal and professional life? Hippocratic oath.
- Declaration of Helsinki, WHO declaration of Geneva, International code of ethics,
- D.C.I. Code of ethics.

#### Ethics of the individual -

- The patient as a person.
- Right to be respected
- Truth and confidentiality
- Autonomy of decision
- Doctor Patient relationship

#### Professional Ethics-

- Code of conduct
- Contract and confidentiality
- Charging of fees, fee splitting
- Prescription of drugs
- Over-investigating the patient
- Malpractice and negligence

#### Research Ethics -

Animal and experimental research

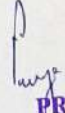
Human volunteer research-informed consent for trials Drug trials

Ethical workshop of cases Gathering all scientific factors Gathering all value factors

Fortifying areas of value - conflict, setting of priorities Working out criteria towards decisions.

Recommended Reading:

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**Activity Report- Gender Equality**

**WOMEN'S DAY CELEBRATION**

Objective: Is to sensitize children about gender equality.

Date: 13-3-2024

Time: 10.00 am

Venue: Auditorium, The Oxford Dental College, Bangalore.

Resource person: Dr. Priya, Dr. Savita A N

Audience/ Beneficiaries: Non teaching and teaching staff

Methodology: Awareness programme lecture.

**Description:**

Every stakeholder of an institution is important and significant in their own way. Many colleges or universities focus on Teaching staff, however it is the non teaching staff who are irreplaceable. The non teaching staff includes those people who are not directly involved in teaching but are still play a crucial role in supporting the system and various functioning. Their responsibilities range from administration and healthcare to maintenance and support. Without the non teaching staff, the everyday work in an institution suffers. Their contributions in areas like administration, health services, cleanliness is very important. They could be called the backbone of an institution. Their efforts often behind the scenes, has a significant impact on all. Hence, Oxford Dental college took the initiative to honour the non teaching staff on Women's Day, thus appreciating their contribution to the progress of the Institution.

  
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Photographs:



Principal addressing the staff



Principal facilitating the non-teaching staff



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## Depression – How to identify and tackle depression?

**Objective:** To identify and tackle depression in students/patients.

**Dates:** 30<sup>th</sup> March 2024

**Time:** 10.00 am to 1.00 pm

**Location:** Auditorium, The Oxford Dental College Auditorium

**Resource person:** Dr. M Manjula

**Organized by:** Department of Orthodontics, The Oxford Dental College.

**Beneficiaries:** Under graduate, post graduate students and Faculty of The Oxford Dental College.

**Methodology:** Awareness programme through lecture.

### **Description:**

A talk was conducted on “Depression – How to identify and tackle” in the collaboration with Mahila Dakshata Samiti (NGO)” by The Department of Orthodontics, The Oxford Dental College, Bangalore. It was attended by all the undergraduate, postgraduate students and Faculty. It was a successful attempt at instilling the awareness and how to tackle depression. Around 18 staff, 60 under graduate and 30 post graduate students attended the programme. The guest speaker enlightened us on a major public health problem that the world is facing that is depression. She further highlighted on depression causes, effects, social stigma related to it and various ways of countering it. The speaker also explained that anxiety and depression are often comorbid with each other and are commonly associated with long standing chronic medical conditions. She spoke that effective recognition and treatment may be associated with functional improvement in the



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medical disorders. The speaker explained that paying careful attention to the development of anxiety and depression may have a positive impact. So, through this lecture, the speaker tried to explain to the boost graduate students that, as a primary health care individual it is very important to understand and incorporate human values into our day to day practice.

Photographs:



Principal, Dr. Priya welcoming the speakers to the program



Dr. Manjula speaking to the audience about "Depression- How to identify and tackle?"



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**WORLD MENSTRUAL HYGEINE DAY**

Objective: Is to sensitize women about menstrual hygiene.

Date: 10-06-2024

Time: 10.00 am – 12.30 pm

Venue: The Oxford Dental College, Bangalore.

Resource person: Srilakshmi Hegde

Audience/ Beneficiaries: Lady staff and students.

Methodology: Awareness programme through lecture.

Description:

A talk was conducted on "WORLD MENSTRUAL HYGEINE DAY" by The Oxford Dental College, Bangalore. The Guest Speaker was the programme was Srilakshmi Hegde. It was attended by all the Undergraduate students and Faculty. It was a successful attempt at instilling the importance of menstrual health in women and their well-being.



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**Photographs:**



Talk on Menstrual hygiene



Speaker conducting a talk on women's menstrual health



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## Activity Report- Environment and Sustainability

### BE-ECO DENTIST

Objective: Is to sensitize students, faculty and patients about about eco friendly dentistry.

Date: 01-08-2023

Time: 10.00 am

Venue: The Oxford Dental College.

Resource person: Department of Periodontology

Audience/ Beneficiaries: students, faculty and patients

Methodology: Awareness programme through lecture and demonstration.

Description:

Eco-friendly dentistry, or green dentistry, is a new approach to dentistry that's focused on reducing the environmental impact of a dental practice. It works to deliver dental treatments and oral health care using procedures, materials and technologies that promote the health of the environment and planet. Not only does green dentistry meet the needs of patients in green, eco-friendly, safe ways, but it also helps dental practices protect the community and planetary health as well.

On August 1st, the Department of Periodontology celebrated Oral Hygiene Day with a mission to spread awareness about the importance of Oral Care and the importance of eco friendly dentistry. The lecture informed the audience about the benefits of eco dentistry like less radiation exposure, less chemical contamination, fewer disposables, more natural looking restorations and lesser heavy metal waste.





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The patients were also encouraged to use eco friendly tooth brushes. Free eco friendly tooth brushes were distributed to the patients.

One must remember, every small step towards eco dentistry contributes to a healthier planet.

### Photographs:



Eco friendly tooth brushes being distributed amongst patients



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## WORLD ENVIRONMENT DAY

Objective: To provide awareness on global health, Our planet our health.

Date: 5<sup>th</sup> June 2024

Time: 2.00 pm

Venue: NSS wing and Department of Public Health Dentistry of The Oxford Dental College.

Resource person: Faculty member, Dr. Ramesh and Dr.Arun, Department of Public Health Dentistry, The Oxford Dental College, Bangalore.

Audience/ Beneficiaries: Faculty and students of Oxford Dental College

Methodology: Awareness programme through lecture with power point presentation.

Description:

The programme commenced with tree plantation programme by all the faculty of The Oxford Dental College. This was followed by an awareness talk by Dr.Arun highlighting the importance of cleanliness and environmental preservation through her presentation on the topic – Our Planet Our Health.

He highlighted the history of Swachh Bharat Abhiyan, tree plantation, harms of plastic use and importance of waste segregation. Through PowerPoint presentation, waste segregation, usage of plastics and its harmful effects, alternative methods for usage of plastics like paper bags and jute bags, composting at home and home gardening technique described well. He explained various method to conserve water both domestically and agriculturally. All staff and students were enlightened about other water conservation strategies. All were educated about rooftop rainwater



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harvesting system as it is one of the most constructive and easy way to conserve water in the long run.

Photographs:



Faculty members being a part of World Health Day program



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## Activity Report- Human Values

### ANTI RAGGING PROGRAMME

Objective: Is to sensitize Under graduates and Post graduate students about the importance of Anti ragging.

Date: 16<sup>th</sup> November 2023

Time: 1.30 am

Venue: Auditorium, The Oxford Dental College , Bangalore.

Resource person: Dr Priya Subramaniam, Dr Girish Kumar, Mr. Chethan

Audience/ Beneficiaries: First year BDS, Interns and MDS students

Methodology: Awareness programme through dental camp and lecture.

Description:

As per the D.C.I notification (No. DCI/ARPM/ARC/ARM/Gen/167/2023-24/2023/11559 Dated 21.04.2023) of conducting a seminar on topic “curbing the menace of ragging in Higher Educational Institutions”, the seminar was conducted in The Oxford Dental College Auditorium at 1.30pm on 16-11--2023. The Chief guests of the program were D.C.I member (Karnataka State) Dr. Shivasharan S, Police Inspector Mr. Preetham from Bommanahalli Police station and Sub Inspector Mr. Chitresh from Bommanahalli Police station (Bommanahalli Jurisdiction). The program was attended compulsorily by all first year B.D.S, MDS students,, 2<sup>nd</sup> and 3<sup>rd</sup> year BDS and MDS students, Interns, Staff, Hostel wardens, Principal Dr. Priya Subramaniam, and Dr. Savitha. A.N, Chairperson, anti-ragging committee along with other members of the anti-ragging committee.



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Dr Praveen J, Member, Antiragging Committee, introduced the students to what ragging is, and played short films and educational videos to the students as per the link given by DCI: <http://www.dciindia.org.in/VideoRagging.aspx>.

Our Principal, Dr. Priya Subramaniam, highlighted the grave consequences of ragging in general and then enlightened the students and the gathering regarding the measures taken by the college management to make it a ragging-free campus, including hostel premises and spoke about the punishments for the guilty. The principal also informed all the fresher students regarding the 24-hour helpline number of the staff in charge of the anti-ragging committee for information regarding any instances of ragging in our college premises. It was also highlighted about zero-tolerance policy and informed that since inception, there are no instances of ragging in our college. Pamphlets about anti-ragging policy and ragging and its ill-effects were handed over to all the students and staff during the program. The students were informed about the presence of boards to deter ragging at various spots in the college, including the entrance of college, library, lecture halls, canteen, and hostel premises. In addition to this, the students were also informed the presence of a 'Mentoring Cell,' with mentors for each student, which would be reconstituted on an annual basis.

Dr. Shivasharan S, DCI Member (Karnataka State) emphasized that ragging is a punishable crime. The highlight of the program was the lecture given by Sub Inspector Chitresh, who spoke about ragging as a criminal offence and the punishments for the guilty. Sub Inspector Chitresh also shared his phone number for redressal of future grievances. Following this Inspector Preetham had an active Q&A session with the students.



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Photographs:



Dr Shiv Sharan, DCI member, addressing the audience



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Students attending the anti ragging programme



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Antirragging committee with the DCI Member Dr Shivasharan





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## **SPECIAL DENTAL CAMP IN DIVYA DOWN'S DEVELOPMENT TRUST**

Objective: Is to sensitize Post graduate students about right to health, human values and virtues through dental camp.

Date: 14<sup>st</sup> March 2024

Time: 10.00 am

Venue: Divya Down's Development Trust, HSR Layout, Bangalore.

Resource person: Dr. Prapti, Dr. Amulya V

Audience/ Beneficiaries: School students.

Methodology: Awareness programme through dental camp

Description:

Two Postgraduate students, one Intern and one MDS staff from the Department Of Paediatric Dentistry, Oxford Dental College, visited Divya Down's Development, HSR Layout, Bangalore, on 14<sup>st</sup> March 2024. In this school dental health programme, they have presented a health talk on oral hygiene methods, brushing technique was demonstrated to special children. Oral screening was also done for the children.



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Through the dental camp, the post graduate students were sensitized regarding right to health and human values, which would guide them to consider the human element when they interact with other human beings. Human values like respect, acceptance, consideration, appreciation, listening, affection, empathy and love can be imbibed in the students by participating in dental camps and interacting with people with special needs.

### Photographs:



Post graduate students explaining about oral hygiene to the students



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Post graduate students and Interns with children



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## Activity Report- Health Determinants

### BLOOD DONATION DRIVE

**Objective:** To encourage more participants to donate blood.

**Dates:** 21<sup>st</sup> November 2023

**Time:** 10.00 am

**Location:** Auditorium, The Oxford Dental College, Bangalore.

**Organized by:** NSS Wing of The Oxford Dental College in collaboration with Lions Club of Bangalore, HDFC Bank Bangalore.

**Resource person:** Dr. Ramesh

**Beneficiaries:** General public

**Description:** The NSS Wing, The Oxford Dental College, Bangalore in collaboration with Lions Club of Bangalore, HDFC Bank, Bangalore, organised a blood donation program for the teaching and non-teaching staff, all under graduate (BDS) and post graduate (MDS) students of The Oxford Dental College on 21<sup>st</sup> November 2023. Around 08 staff and 98 students participated in the programme. The program commenced at 10 am in the college auditorium. The program started with a health talk by Dr. Ramesh. He enlightened the audience about the importance of blood donation and the benefits. This was followed by registration for the donation. After the blood donation, all the participants were given juice and fruits.



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Photographhs:



Students donating blood



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## HEPATITIS B VACCINATION DRIVE

**Objective:** To vaccinate the faculty, students and the supporting clinical staff who come in contact with patients or infectious material and are at risk of contracting Hepatitis B disease.

**Dates:** Dose 3 – 13-7-2023

**Time:** 10.00 am to 1.30 pm

**Location:** Seminar Hall, 3<sup>rd</sup> floor, Department of Public Health Dentistry

**Organized by:** Infection Control Committee with Department of Public Health Dentistry in collaboration with NSS Wing of The Oxford Dental College.

**Beneficiaries:** Teaching and non-teaching faculty, I MDS and I BDS students of The Oxford Dental College, Bangalore.

**Manpower used:** Members of Infection Control Committee, faculty of Public Health Dentistry, nurses, NSS volunteers.

**Materials used:** Student Consent form – Hepatitis B Vaccination, Hepatitis B vaccination register, personnel protective equipment, 2 ml syringes, Hepatitis B vaccine vials, cotton swabs



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**Description:** The Infection Control Committee, department of Public Health Dentistry and NSS Wing of The Oxford Dental College, Bangalore organised a Hepatitis B vaccination program for the teaching and non-teaching staff, 1 year post graduate (MDS) and 1 year undergraduates (BDS) students of The Oxford Dental College on 13-7-2023 and 16-05-2024.

The program commenced at 10.00 am in the seminar room of department of Public Health Dentistry. Before providing the vaccination, all the beneficiary students were required to fill in the details in the Consent form – Hepatitis B Vaccination and register at the registration counter. Following this step, the vaccination was provided to the beneficiaries by trained nurses of the college



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**Photographs:**



Vaccination being given





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**THE OXFORD DENTAL COLLEGE**

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## **Activity Report- Right to health and emerging demographic issues**

### **SUPPORTIVE CARE IN CANCER**

Objective: Is to sensitize about supportive care in cancer patients.

Date: 21<sup>st</sup> February 2024

Time: 10.00 am

Venue: Auditorium, The Oxford Dental College.

Resource person: Dr. Inara Asani

Audience/ Beneficiaries: Under graduate and post graduate students, Faculty and patients.

Methodology: Awareness programme through lecture.

Description:

On occasion of "World Cancer Day" and "National Oral Pathologists' Day" Department of Oral Pathology conducted a program titled "Supportive Care In Cancer" on **21/2/2024**. Dr Inara Asani, program coordinator from Prameya Foundation was the guest speaker. The guest lecture was for UG students, Interns, post graduates, faculty and patients. The lecture highlighted importance of supportive care in cancer. The session was followed active interaction with the participants and received positive responses from the audience.



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Photographs:



Dr. Inara Asani addressing the audience



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## **AWARENESS OF NUTRITION FOR ELDERERS**

Objective: Is to sensitize elders about nutrition and right to health.

Date: 23-3-2024

Time: 10.00 am

Venue: The Oxford Dental College.

Audience/ Beneficiaries: General Public

Methodology: Awareness programme through lecture and oral screening.

Description:

On the Occasion of commemorating the World Oral Health Day, Department of Prosthodontics conducted an Oral Screening, Awareness of oral hygiene and importance of nutrition, on 23-03-2024 at The Oxford Dental College.

The program began with an inauguration ceremony followed by educative talks on Oral Hygiene awareness, Nutrition for the elderly and denture maintenance were given, followed by screening of geriatric patients.



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Photographs:



Staff and Post graduate students giving an oral hygiene talk to patients



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## Activity Report- Professional Ethics

### Good Clinical Practice

Objective: Is to introduce students to professional ethics s to be followed in research.

**Date:** 12/1/2024

**Location:** The Oxford Dental College, Bangalore

**Audience:** Faculty members and postgraduates from The Oxford Dental College

**Speakers:** Dr.Dhanya Mukundan, Expert Scientific Writer, ENAGO Pvt Ltd

**Method adapted:** Lectures

**Materials used:** Power point presentation, Group Discussion

#### **Description:**

The lecture on Good clinical Practice was conducted by the Alumini Committee ,Dept of Oral Medicine and Radiology and Institutional ethical Committee .The Programme began with introducing the guest of the day Dr.Dhanya by Dr.Deepa Senior lecturer dept of Periodontics .The guest speaker highlighted on the Ethics part of the research and regarding the process of clinical trials . She also updated regarding risk minimization. Subject's rights, safety, and well-being. Adequate drug information. Scientifically sound protocols.The programme ended with token of appreciation being handed to the speaker by Dr.Savitha and Dr.Asha.



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Dr. Dhanya speaking on Good clinical practice



Dr. Dhaniya addressing the audience



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## WHITE COAT CEREMONY

Objective: Is to sensitize students about professional ethics and human values before entering the clinical departments.

Date: 13<sup>th</sup> March 2024

Time: 10.00 am

Venue: The Oxford Dental College Auditorium

Resource person: Dr. Pradeep A.R. & Dr. Subramaniam

Audience/ Beneficiaries: III yr BDS students

Methodology: Lecture

Description:

“White coat ceremony” was held for 3<sup>rd</sup> BDS students (2023-24) Batch on 13/03/2024, before the commencement of their 3<sup>rd</sup> year Clinical Postings. White coat ceremony is a programme organized by our college for the clinical students to guide them about the professional ethics. This event is conducted before the students enter into 3<sup>rd</sup> year after completion of their preclinical year. This programme was organized on 13-03-2024 in our college auditorium with almost 54 under graduate students participating in this event. The programme began with lighting of lamp by all the dignitaries. Our principal Dr.Priya Subramaniam Prof and Head Dept of Pediatric and preventive dentistry addressed the students .



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The guest speaker of the day Dr.Kenneth F.H.Tan guided the students about the ethics ,patient management ,treatment procedures ,infection control protocols and communication skills. This was intended to provide students with well defined guide lines regarding the responsibilities of a clinician, as they transited from preclinical to clinic. The students were informed about the dress code, and their responsibilities as a doctor towards the patient's .The white coats were distributed to all the clinical students and the programme was concluded with vote of thanks and National Anthem.

Photographs:



Inauguration of the program with Lighting of the lamp

**PRINCIPAL**

**The Oxford Dental College  
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