



2.3.3. Teachers use ICT-enabled tools for effective teaching and learning process including online e-resources.

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**CERTIFICATE OF HEAD OF
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DR VINOD KUMAR, MDS

PRINCIPAL

TO WHOMSOEVER THIS MAY CONCERN

This is to certify the number of full-time teachers that have been working in our institution during the year 2023-2024 are given below:

YEAR	2023-2024
NUMBER OF FULL-TIME TEACHERS	87



116/
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DETAILS OF ICT ENABLED TOOLS USED FOR TEACHING AND LEARNING



ICT ENABLED TOOLS
DEPARTMENT OF ORTHODONTICS

NAME OF STAFF	YEAR	TOPIC	ICT ENABLED TOOLS
Dr Joby Paulose	2023-2024	Introduction and history of orthodontics Growth and development basic Concepts Theories of growth Growth and development –mechanism of bone growth Growth and development- pre and postnatal growth of cranial base Growth and development- pre and postnatal growth of maxilla Growth and development- pre and postnatal growth of mandible Functional development	1)powerpoint Presentation 2)research based Discussion



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Dr. Hemant Nandan	2023- 2024	General principles in orthodontic treatment planning Methods of gaining space Biomechanical principles in orthodontic tooth movement Biology of tooth movement Cleft lip and palate Surgical orthodontics Adult orthodontics retention and relapse	1)powerpoint Presentation 2)research based Discussion
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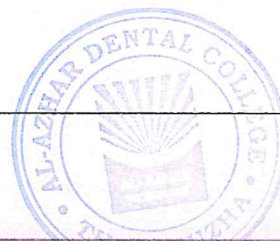


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Dr Anjali V.A	2023- 2024	Development of dentition and Occlusion Occlusion basic concepts Study models Skeletal maturity indicators Preventive orthodontics Interceptive orthodontics Fixed orthodontic appliances	1)powerpoint Presentation 2)research based Discussion
Dr Jose Sunny	2023- 2024	Diagnostic aids - radiographs Photographs Occlusograms Anchorage in orthodontics Orthopaedic appliances	1)powerpoint Presentation 2)research based Discussion
Dr. Waheda Pyarilal	2023- 2024	Classification of malocclusion Etiology of malocclusion Case history Anchorage	1)powerpoint Presentation 2)journal club
Dr. Gayathri Prakash Anand	2023- 2024	Classification of malocclusion Etiology of malocclusion Orthodontic appliances	1)powerpoint Presentation 2)article critical Evaluation
Dr Neethu Philip	2023- 2024	Removable orthodontic appliances Myo functional appliances Cephalometry	1)powerpoint Presentation 2)article critical Evaluation



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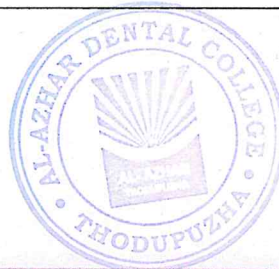
Dr.Lisie P Mathew	2023- 2024	Principles of management of various malocclusions Computers and recent developments in orthodontics genetics Ethics Soldering and welding sterilization laboratory procedures.	1)powerpoint Presentation 2)article critical Evaluation
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2ND YEAR ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS CLASSES

NAME OF STAFF	YEAR	TOPIC	ICT ENABLED TOOLS
DR JOBY PAULOSE	2023-24	Straightening of wire Equilateral triangle Square Rectangle Circle U-V C-clasp Full clasp Triangular clasp	Demonstration videos by departments
Dr. Hemant Nandan	2023-2024	Adams clasp Double cantilever spring Reverse labial bow Roberts retractor	Demonstration videos by departments



Dr ANJALI V.A	2023-24	Coffin spring Palatal canine retractor Short labial bow U loop buccal canine retractor Helical canine retractor	Demonstration videos by departments
Dr JOSE SUNNY	2023-24	Long labial bow Split labial bow Finger spring	Demonstration videos by departments
Dr. WAHEDA PYARILAL	2023-24	Self supported canine retractor Hawley's appliance with anterior bite plane Tongue guard appliance Oral screen	Demonstration videos by departments
DR. GAYATHRI PRAKASH ANAND	2023-24	Hawley's appliance fabrication	Demonstration videos by departments
Dr NEETHU PHILIP	2023-24	Hawley's appliance with PBP and Z spring	Demonstration videos by departments
Dr.LISIE P MATHEW	2023-24	Catalans appliance fabrication Expansion appliance fabrication	Demonstration videos by departments



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DEPARTMENT OF PROSTHODONTICS

DrLitto Manuel	2023-24	CASTING PROCEDURES AND DEFECTS JAW RELATION AND JAW MOVEMENTS CONCEPTS OF OCCLUSION AND BALANCED OCCLUSION TOOTH SELECTION AND TEETH ARRANGEMENT TRIAL DENTURE DENTURE INSERTION AND POST INSERTION INSTRUCTIONS RELINING AND REBASING SINGLE COMPLETE DENTURE OVERDENTURE RESIDUAL RIDGE RESORPTION	1) Powerpoint presentation 2) Journal club
DrVinni Mary Oommen	2023 -24	DENTAL CASTING ALLOYS DENTAL IMPLANT INTRODUCTION,DIAGNOSIS AND TREATMENT PLANNING IN FPD PRINCIPLES OF TOOTH PREPARATION PROVISIONAL RESTORATION FLUID CONTROL AND SOFT TISSUE MANAGEMENT	1) Powerpoint presentation 2) Article critical evaluation
Dr.Ajay Soman	2023-24	WORKING CASTS AND DIES RETAINERS IN FPD PONTICS CONNECTORS IN FPD RESIN BONDED FPD FAILURES IN FPD IMPLANT SUPPORTED FPD	
Dr Tessen V Thomas	2023-24	ABRASION AND POLISHING AGENTS RPD DESIGNING MAJOR CONNECTORS MINOR CONNECTORS	1) Powerpoint presentation 2) Journal club
Dr.Radika Ravi	2023-24	DIRECT RETAINERS INDIRECT RETAINERS RPD IMPRESSION MATERIALS AND PROCEDURES	

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Dr Vishnu Thomas Dr.Manju Mary K	2023-24 2023-24	IMPRESSION MATERIALS IMMEDIATE COMPLETE DENTURE PRINCIPLES OF TOOTH PREPARATION	1) Powerpoint presentation 2) Article critical evaluation
Dr Ajay Soman	2023-24	INTRODUCTION,TERMINOLOGIES,CLASSI FICATION,DIAGNOSIS AND TREATMENT PLANNING IN RPD RESTS AND REST SEATS SURVEYOR AND SURVEYING PRINCIPLES OF RPD DESIGNING	1) Powerpoint presentation 2) Journal club



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Dr Jovin Cherian	2023-24	GYPSUM PRODUCTS BIOLOGICAL CONSIDERATIONS OF DENTAL MATERIALS DENTAL INVESTMENT MATERIALS RPD DESIGNING DIE AND DIE MATERIALS PARTIAL VENEER CROWN PREPARATION IMPRESSIONS IN FPD	1) Powerpoint presentation 2) Article critical evaluation
Dr TharaM ariam Joseph	2023-24		
Dr Junu Henry	2023-24	INTRODUCTION OF DENTAL MATERIALS IMPRESSION MATERIALS PHYSICAL PROPERTIES OF DENTAL MATERIALS TARNISH AND CORROSION DENTAL CERAMICS FULL VENEER CROWN PREPARATION	1) Powerpoint presentation 2) Journal club
Dr Thoufeeqmon KI	2023-24		
Dr AnuMerinThampy	2023-24	DENTURE BASE MATERIALS	1) Powerpoint presentation 2) Article critical evaluation



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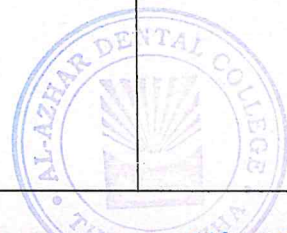
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ICT ENABLED TOOLS

DEPARTMENT OF PUBLIC HEALTH DENTISTRY

NAME OF SAFF	YEAR	TOPIC	ICT ENABLED TOOLS
Dr Prijitha Alex	2023-2024	DENTAL ECONOMICS GENERAL EPIDEMIOLOGY I GENERAL EPIDEMIOLOGY II ETHICS IN MEDICINE AND DENTISTRY PUBLIC HEALTH DENTISTRY I PUBLIC HEALTH DENTISTRY II DENTAL CARIES PERIODONTAL DISEASES ORAL CANCER MALOCCLUSION SURVEY PROCEDURE IN DENTISTRY I SURVEY PROCEDURE IN DENTISTRY II DENTAL MAN POWER SCHOOL ORAL HEALTH PROGRAMME I SCHOOL ORAL HEALTH PROGRAMME II	1)Journal club 2)Article critical evaluation
Dr Bharath Sekhar Nayanar	2023-2024	PLANNING AND EVALUATION I PLANNING AND EVALUATION II AIR POLLUTION HEALTH CARE DELIVERY SYSTEM PRIMARY HEALTH CARE COMMUNITY HEALTH CENTRES HEALTH AGENCIES INTRODUCTION TO INDICES DENTAL CARIES INDICES PERIODONTAL INDICES FLOURIDE INDICES OCCUPATIONAL HAZARDS IN DENTISTRYPHYSICAL AND CHEMICAL OCCUPATIONAL HAZARDS IN DENTISTRYBIO AND PSYCHO	1)Journal club 2)Article critical evaluation



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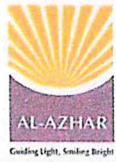
ICT ENABLED TOOLS

DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

STAFF	YEAR	TOPIC	ICT ENABLED TOOLS
Dr Rema	23-24	1) DEMONSTRATION TO TAKE MAXILLARY SINUS VIEWS 2) DEMONSTRATION ON HOW TO USE RVG	1) demo videos 2) lectures
Dr Jayesh	23-24	1) DEMONSTRATION ON HOW TO TAKE A LATERAL CEPHALOGRAM RADIOGRAPH 2) DEMONSTRATION OF GIVING INTRA LESIONAL INJECTION	1) Demonstration videos by department 2) power point presentation
Dr Anjana	23-24	1) DETECTION OF CARIES USING FOTI 2) DEMONSTRATION ON HOW TO USE INTRA ORAL CAMERA FOR PATIENT EDUCATION	1) Demo videos 2) Power point presentations
Dr Afsal	23-24	1) DEMONSTRATION ON HOW TO USE THERAPUTIC USG 2) DEMONSTRATION OF HOW TO USE TENS MACHINE	1) demo video 2) Lecture 3) article critical evaluation

ACADEMIC YEAR 2023-2024

NAME OF STAFF	YEAR	TOPIC	STUDENT CENTRIC METHOD USED	ICT ENABLED TOOLS
Dr. Lakshmipriya E	FIRST YEAR: 23-24	<ul style="list-style-type: none">General EmbryologyDevelopment of toothDevelopment of face and oral cavityDentinMaxillary PremolarsMaxillary first molarOral mucous membrane	<ul style="list-style-type: none">Integrated learningParticipatory learningSelf-directed learning	<ul style="list-style-type: none">PowerpointLms



Dr. Joe Manuel	FIRST YEAR: 23-24	<ul style="list-style-type: none"> • Enamel • Maxillary central and lateral incisor • Mandibular central and lateral incisor • Maxillary canine • Mandibular canine • Cementum • Calcium phosphorus metabolism • Tooth eruption • Tooth shedding 	<ul style="list-style-type: none"> • Integrated learning • Participatory learning • Self-directed learning 	<ul style="list-style-type: none"> • Powerpoint • Lms
Dr. Diana	FIRST YEAR: 23-24	<ul style="list-style-type: none"> • Introduction to dental anatomy • Salivary gland • Pulp • Pdl • Bone • Occlusion • Tissue Processing 	<ul style="list-style-type: none"> • Integrated learning • Participatory learning • Self-directed learning 	<ul style="list-style-type: none"> • Powerpoint • Lms
Dr. Sreelakshmi	FIRST YEAR: 23-24	<ul style="list-style-type: none"> • TMJ • Maxillary Sinus • Deglutition • Mandibular Second Premolar • Mandibular first molar • Mastication 	<ul style="list-style-type: none"> • Integrated learning • Participatory learning • Self-directed learning 	<ul style="list-style-type: none"> • Powerpoint • Lms
Dr. Lakshmi Priya E	THIRD YEAR: 23-24	<ul style="list-style-type: none"> • Developmental Disturbances of Oral and Paraoral region Structures • Odontogenic Cysts • Salivary gland diseases 	<ul style="list-style-type: none"> • Integrated learning • Participatory learning • Self-directed learning 	<ul style="list-style-type: none"> • Powerpoint • Lms

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		<ul style="list-style-type: none">• Epithelial Tumors• Bone and Joint Diseases• Dental Caries• Traumatic, reactive & regressive lesions of oral cavity• Periodontal diseases• Principles of basic odontology		
Dr. Joe Manuel	THIRD YEAR: 23-24	<ul style="list-style-type: none">• Allergic and Immunologic Diseases Of Oral Cavity• Connective tissue tumors• Disease of nerves and muscles• Hematologic Diseases• Diseases of Skin	<ul style="list-style-type: none">• Integrated learning• Participatory learning• Self-directed learning	<ul style="list-style-type: none">• Powerpoint• Lms
Dr. Diana	THIRD YEAR: 23-24	<ul style="list-style-type: none">• Bacterial Infections of the Oral Cavity• Viral Infections of the Oral Cavity• Mycotic Infections of the Oral Cavity• Odontogenic tumors• Tumors of Salivary Gland• Forensic Odontology	<ul style="list-style-type: none">• Integrated learning• Participatory learning• Self-directed learning	<ul style="list-style-type: none">• Powerpoint• Lms
Dr. Sreelakshmi	THIRD YEAR:	<ul style="list-style-type: none">• Diseases of pulp & periapical tissues	<ul style="list-style-type: none">• Integrated learning	<ul style="list-style-type: none">• Powerpoint• Lms

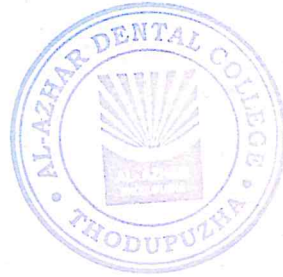
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	23-24	• Diseases of TMJ	• Participatory learning • Self-directed learning	
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ICT ENABLED TOOLS

DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

NAME OF STAFF	YEAR	TOPIC	ICT ENABLED TOOLS
Dr. Augustine Daniel	2023-2024	Introduction to Oral and Maxillofacial Surgery Art of Diagnosis Diagnostic Imaging Suturing materials and techniques	1. Powerpoint presentation 2. Research based discussion
Dr. Harvey Thomas	2023-2024	Asepsis and sterilization Infection control Antimicrobial therapy Cardiopulmonary resuscitation	1. Journal club 2. Article critical evaluation
Dr. Hisham M Ibrahim	2023-2024	Minor oral surgical procedures Oral cancer	1. Youtube videos 2. Powerpoint presentations 3. Demonstration videos by Department
Dr Basil M Jacob	2023-2024	Maxillofacial trauma	1. Powerpoint presentations 2. Demonstration videos by Department
Dr. Sunil R	2023-2024	Introduction to GA and sedation Preanesthetic evaluation Preoperative preparation and medication Anesthetic equipment Short anesthesia in dental chair	1. Youtube videos 2. Powerpoint presentations
Dr. Abhilash Mathew Thomas	2023-2024	TMJ :afflictions and management Ankylosis of TMJ and its management MPDS	1. Powerpoint presentations 2. Article critical evaluation
DR. Riny George	2023-2024	Preprosthetic surgery implants	1. Powerpoint presentations 2. Demonstration videos by Department
Dr. Hazli Sulthana	2023-2024	Diseases of the salivary gland	1. Powerpoint presentations



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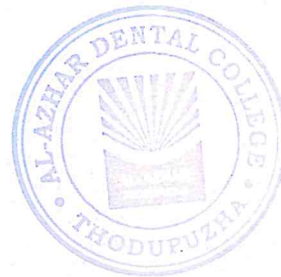
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STUDENT CENTRIC METHODS

DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

NAME OF STAFF	YEAR	TOPIC	ICT ENABLED TOOLS
Dr Nishin	2023-2024	Introduction Dental cements Dental waxes Introduction to conservative dentistry, definition, aim and scope of conservative dentistry, nomenclature of dentition and tooth numbering systems Diagnosis and treatment planning in endodontics Anatomy of pulp space Access cavity preparation Preparation of root canal space – determination of working length Cleaning and shaping	1.Powerpoint presentation 2.Article critical evaluation 3.Research based discussion 4. Journal club



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Dr Aby	2023-2024	Biological considerations in use of dental materials Waste disposal Isolation of operating field Matrices, retainers and wedges Complex amalgam restorations Treatment planning for restorative procedures Contacts and contour Hypersensitivity Principles of endodontic treatment Endodontic instruments (hand and rotary) Smear layer and its importance	1.Powerpoint presentation 2.Research based discussion 3.Journal club 4.Youtube videos
Dr Moushmi	2023-2024	Dental amalgam Tooth preparation for amalgam restorations. Stepwise procedure for class 1,2 3 4 5 amalgam restorations. Failure of amalgam restorations Pulp protection Laser and microscope	1.Youtube videos 2. Demonstration videos by department 3. Journal club

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		Gingival tissue management	
		Rationale of endodontic treatment	
		Re treatment in endodontics	
		Endodontic surgeries	

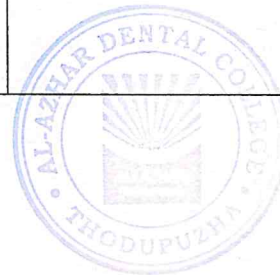


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Dr Binila	2023-2024	Direct filling gold Diseases of dental pulp Diseases of periradicular tissues Management of deep carious lesions Minimal invasive dentistry Discolored teeth and its management Cavity preparation for class II Non carious cervical lesion Dental caries Vital pulp therapy, pulpotomy and apexification	1. Journal club 2. Article critical evaluation 3. Youtube videos 4. Powerpoint presentation
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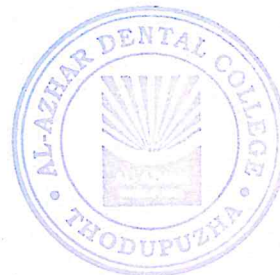


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Dr Shreya	2023-2024	Metals alloys Dental casting alloys Hand instruments Rotary cutting instruments Tooth preparation for amalgam restorations- 3,5 amalgam restorations Preliminary considerations in operative dentistry Pain control in operative dentistry Instruments and equipments for tooth preparation (hand and rotary) Treatment of traumatized teeth Root resorption Cast metal restorations and casting Endodontic emergencies and their management Procedural errors – prevention and management	1.Powerpoint presentation 2.Research based discussion 3.Article critical evaluation 4.Youtube videos
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Dr Albert	2023-2024	Microbiology of endodontic infection Finishing and polishing and restorations Adhesion to tooth structure Composite restorations Direct and indirect tooth colored restorations Obturation of root canal system Endo-perio lesions Esthetics in dentistry Irrigants and medicaments	1.Powerpoint presentation 2.Research based discussion 3.Article critical evaluation 4.Youtube videos
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Dr Sreekala	2023-2024	<p>Mechanics of cutting</p> <p>Dental ceramic and ceramic restorations</p> <p>Preventive measures in restorative practice</p> <p>Fundamentals in tooth preparation</p> <p>Temporization of inter-rim restorations</p> <p>Infection control</p> <p>Success and failure of endodontics</p> <p>Root caries</p> <p>Root canal sealers</p> <p>Post endodontic restorations</p> <p>Introduction, definition, scope and future of conservative dentistry and endodontics</p>	<p>1. Journal club</p> <p>2. Article critical evaluation</p> <p>3. Youtube videos</p> <p>4. Powerpoint presentation</p> <p>5. Research based discussion</p>
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DEPARTMENT OF PERIODONTOLOGY 2023-24

Sl No	Topic	Staff	ICT Enabled Tools
1.	Development of Periodontium		1. Power point presentation 2. Demo videos
	Gingiva	Dr. Thomas Kappen	
	Periodontal Ligament	Dr. Mazood Ahmed	
	Cementum	Dr. Anu Mathew	
	Alveolar Bone	Dr. Surya Suprabhan	
2.	Defensive mechanisms in the oral cavity	Dr. Sajil John	1. Power point presentation 2. Demo videos 3. Articles critical evaluation
3.	Age changes in teeth and periodontal structures and their association with periodontal diseases	Dr. Archana V	1. Power point presentation 2. Demo videos 3. Articles critical evaluation
4.	Classification of periodontal diseases	Dr. Surya Suprabhan	1. Power point presentaton



5.	Epidemiology of periodontal diseases	Dr. Mazood Ahmed	<ol style="list-style-type: none">1. Research based discussion2. Power point presentation
6.	Gingival Diseases		<ol style="list-style-type: none">1. Power point presentation2. Demo videos3. Research based discussion
	Gingival inflammation	Dr. Thomas Kappen	
	Clinical features of gingivitis	Dr. Sajil John	
	Gingival enlargement	Dr. Archana V	
	Acute gingival infections	Dr. Mazood Ahmed	
	Desquamative gingivitis	Dr. Surya Suprabhan	
7.	Periodontal Pocket	Dr. Anu Mathew	<ol style="list-style-type: none">1. Power Point presentation2. Demo videos
8.	Etiology		<ol style="list-style-type: none">1. Power point presentation2. Research based discussion3. Demo videos4. Articles critical evaluation
	Dental Plaque	Dr. Thomas Kappen	
	Calculus	Dr. Mazood Ahmed	
	Trauma from occlusion	Dr. Anu Mathew	
	Systemic diseases	Dr. Archana V	
	Interdisciplinary dentistry		

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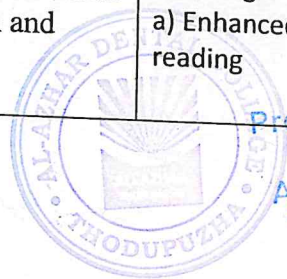


	Conservative Dentistry	Dr. Anu Mathew	
	Prosthodontics	Dr. Surya Suprabhan	
	Orthodontics	Dr. Mazood Ahmed	
9.	Risk factors	Dr. Anu Mathew	1. Power point presentation 2. Research based discussion
10.	Host response	Dr. Archana V	1. Power point presentation 2. Articles critical evaluation 3. Research based discussion
11.	Periodontitis		1. Power point presentation 2. Research based discussion 3. Demo videos 4. Articles critical evaluation
	Chronic periodontitis	Dr. Anu Mathew	
	Aggressive periodontitis and atypical periodontitis	Dr. Thomas Kappen	
	Periodontal abscess	Dr. Surya Suprabhan	
	Furcation involvement	Dr. Thomas Kappen	
	Periodontitis associated with systemic diseases	Dr. Archana V	

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PEDIATRIC AND PREVENTIVE DENTISTRY
TEACHING METHODS FOR III BDS: 2023-2024

Dr Bijimole	2023-2024	Introduction to Paediatric and Preventive Dentistry Definition, Scope, Objectives and Importance	1) Participatory Learning a) Seminar presentation 2) Self Directed Learning a) Enhanced reading	1)Power point presentation 2)Experiential Learning
Dr Renu	2023-2024	Dental Anatomy and Histology ◆ Chronology of Eruption of teeth ◆ Differences between primary and permanent teeth ◆ Eruption disorders and their management including teething, ectopic eruption, ankylosis ◆ Importance of first permanent molar	1) Participatory Learning a) Seminar presentation 2) Self Directed Learning a) Enhanced reading	1)Power point presentation 2)Experiential learning 3)Integrated/Interdisciplinary learning 4)Evidence based learning 5)Self-directed learning
Dr Ebin	2023-2024	Growth and Development (will be covered by Department of Orthodontics also) ◆ Importance of study of growth and development in Pedodontics ◆ Prenatal and postnatal factors in growth and development ◆ Theories of growth and development ◆ Methods to measure growth ◆ Development of maxilla and mandible and age-related changes	1) Participatory Learning a) Seminar presentation 2) Self Directed Learning a) Enhanced reading	1)Power point presentation 2)Experiential Learning 3)Integrated/Interdisciplinary learning 4)Evidence based learning 5)Self-directed learning 6)Patient centric
Dr Sharon	2023-2024	Development of occlusion from birth to adolescence ◆ Mouth of neonate, gum pads ◆ Primary Dentition period ◆ Mixed dentition period ◆ Establishment of occlusion ◆ Study of variation and abnormalities	1) Participatory Learning a) Seminar presentation 3) Self Directed Learning a) Enhanced reading	1)Power point presentation 2)Experiential Learning 3)Integrated/Interdisciplinary learning 4)Evidence based learning 5)Self-directed learning 6)Patient centric



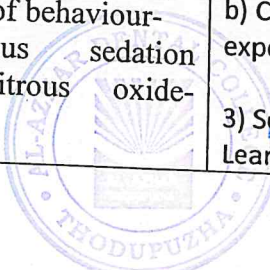
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PEDIATRIC AND PREVENTIVE DENTISTRY

TEACHING METHODS FOR III BDS: 2023-2024

Dr Stacey	2023- 2024	Case history recording ◆ Principles of history taking, examination, investigations, ◆ diagnosis and treatment planning	1) Participatory Learning a) Seminar presentation 2) Experimental learning a) Patient Centric learning b) Clinical experiences 3) Self Directed Learning a) Enhanced reading	1)Power point presentation 2)Experiential Learning 3)Integrated/Interdisciplinary learning 4)Evidence based learning 5)Self-directed learning 6)Patient centric 7)Participatory learning
Dr Bijimole	2023- 2024	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 management of child ◆ patients in the dental office ◆ Psychological disorders including anorexia, bulimia ◆ Child abuse and neglect	1) Participatory Learning a) Seminar presentation 2) Experimental learning a) Patient Centric learning b) Clinical experiences 3) Self Directed Learning a) Enhanced reading	1)Power point presentation 2)Experiential Learning 3)Integrated/Interdisciplinary learning 4)Evidence based learning 5)Self-directed learning 6)Patient centric 7)Participatory learning 8)Role Play 9)Project based learning
Dr Joseph	2023- 2024	Behaviour management ◆ Definition ◆ Classification and types of behaviour ◆ Factors influencing child behaviour ◆ non-Pharmacologic management of behaviour ◆ Pharmacologic management of behaviour- ◆ Conscious sedation including nitrous oxide-	1) Participatory Learning a) Seminar presentation 2) Experimental learning a) Patient Centric learning b) Clinical experiences 3) Self Directed Learning	1)Power point presentation 2)Experiential Learning 3)Integrated/Interdisciplinary learning 4)Evidence based learning 5)Self-directed learning 6)Patient centric 7)Participatory learning 8)Role Play 9)Project based learning



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PEDIATRIC AND PREVENTIVE DENTISTRY

TEACHING METHODS FOR III BDS: 2023-2024

		oxygen inhalational anaesthesia ♦ Pharmacological principles in Paediatric Dentistry- drug dosage formulae ♦ Analgesics, anti-inflammatory and antibiotics commonly prescribed for children	a) Enhanced reading	
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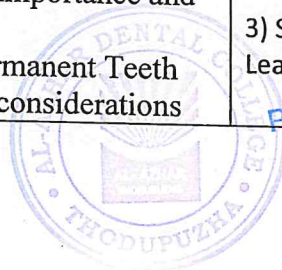
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PEDIATRIC AND PREVENTIVE DENTISTRY

TEACHING METHODS FOR FINAL BDS PART I: 2023-2024

Dr Bijimole	2023-2024	<p>Dental Caries</p> <ul style="list-style-type: none"> ◆ Diagnostic procedures and caries detection ◆ Caries pattern in primary, young permanent and permanent teeth ◆ Early childhood Caries, rampant caries- definition, classification, etiology, pathogenesis, clinical features, complications and management ◆ Role of diet and nutrition in dental caries and sugar substitutes ◆ Diet counselling and diet modifications ◆ Caries activity tests , caries prediction, susceptibility and their clinical application 	<p>1) Participatory Learning a) Seminar presentation</p> <p>2) Self Directed Learning a) Enhanced reading</p>	<p>1)Power point presentation 2)Experiential Learning 3)Integrated/Interdisciplinary learning 4)Evidence based learning 5)Self-directed learning 6)Patient centric 7)Participatory learning 8)Project based learning</p>
Dr Renu	2023-2024	Dental Radiology as related to Pedodontics	<p>1) Participatory Learning a) Seminar presentation</p> <p>2) Self Directed Learning a) Enhanced reading</p>	<p>1)Power point presentation 2)Experiential Learning 3)Integrated/Interdisciplinary learning 4)Evidence based learning 5)Self-directed learning 6)Patient centric 7)Participatory learning 8)Project based learning</p>
Dr Ebin	2023-2024	Dental materials used commonly in children and adolescents (Outline revision)	<p>1) Participatory Learning a) Seminar presentation</p> <p>2) Self Directed Learning a) Enhanced reading</p>	<p>1)Power point presentation 2)Experiential Learning 3)Integrated/Interdisciplinary learning 4)Evidence based learning 5)Self-directed learning 6)Participatory learning 7)Project based learning</p>
Dr Sharon	2023-2024	<p>Paediatric Operative Dentistry</p> <ul style="list-style-type: none"> ◆ Principles of Operative Dentistry ◆ Isolation- Importance and techniques ◆ Young Permanent Teeth and clinical considerations 	<p>1) Participatory Learning a) Seminar presentation</p> <p>3) Self Directed Learning</p>	<p>1)Power point presentation 2)Experiential Learning 3)Integrated/Interdisciplinary learning 4)Evidence based learning 5)Self-directed learning 6)Patient centric 7)Participatory learning</p>



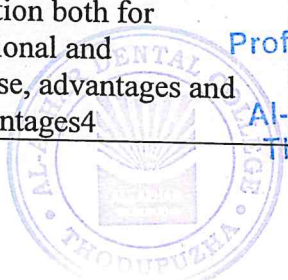
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PEDIATRIC AND PREVENTIVE DENTISTRY

TEACHING METHODS FOR FINAL BDS PART I: 2023-2024

		<ul style="list-style-type: none"> ◆ Modifications in cavity preparation and recent cavity designs for primary and young permanent teeth ◆ Atraumatic / Alternative Restorative Technique (ART) ◆ Other methods of caries removal ◆ Restoration of carious teeth (Primary, young permanent and permanent teeth) using various restorative materials like glass ionomers, composites, silver amalgam ◆ Preformed crowns: Stainless steel, polycarbonate and strip crowns 	a) Enhanced reading	8)Project based learning
Dr Stacey	2023-2024	<p>Gingival and Periodontal diseases in children</p> <ul style="list-style-type: none"> ◆ Normal gingival and periodontium in children ◆ Definition, classification ◆ Etiology, Pathogenesis and management of gingival and periodontal condition seen in children and adolescents 	<p>1) Participatory Learning</p> <p>a) Seminar presentation</p> <p>2) Experimental learning</p> <p>a) Patient Centric learning</p> <p>b) Clinical experiences</p> <p>3) Self Directed Learning</p> <p>a) Enhanced reading</p>	<p>1)Power point presentation</p> <p>2)Experiential Learning</p> <p>3)Integrated/Interdisciplinary learning</p> <p>4)Evidence based learning</p> <p>5)Self-directed learning</p> <p>6)Patient centric</p> <p>7)Participatory learning</p> <p>8)Project based learning</p>
Dr Joseph	2023-2024	<p>Flourides</p> <ul style="list-style-type: none"> ◆ Historical background ◆ Systemic fluorides: Availability, agents, concentrations, advantages and disadvantages ◆ Topical fluorides: agents, composition, method of application both for professional and home use, advantages and disadvantages4 	<p>1) Participatory Learning</p> <p>a) Seminar presentation</p> <p>2) Experimental learning</p> <p>a) Patient Centric learning</p> <p>b) Clinical experiences</p>	<p>1)Power point presentation</p> <p>2)Experiential Learning</p> <p>3)Integrated/Interdisciplinary learning</p> <p>4)Evidence based learning</p> <p>5)Self-directed learning</p> <p>6)Patient centric</p> <p>7)Participatory learning</p> <p>8)Project based learning</p>


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TEACHING METHODS FOR FINAL BDS PART I: 2023-2024

		<ul style="list-style-type: none">◆ Mechanism of action and its anti-cariogenic effect◆ Fluoride toxicity and its management◆ Defluoridation techniques	3) Self Directed Learning a) Enhanced reading	
Dr Bijimole	2023-2024	Paediatric Endodontics <ul style="list-style-type: none">◆ Principles and diagnosis◆ Classification of pulp pathology◆ Management of pulpally involved primary, young permanent and permanent teeth including materials used and techniques followed:<ul style="list-style-type: none">◆ Pulp capping◆ Pulpotomy◆ Pulpectomy◆ Apexogenesis◆ Apexification	1) Participatory Learning a) Seminar presentation 2) Experimental learning a) Patient Centric learning b) Clinical experiences 3) Self Directed Learning a) Enhanced reading	1)Power point presentation 2)Experiential Learning 3)Integrated/Interdisciplinary learning 4)Evidence based learning 5)Self-directed learning 6)Patient centric 7)Participatory learning 8)Project based learning

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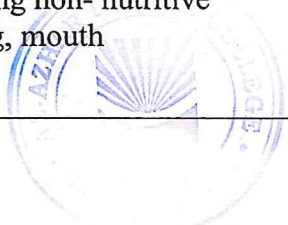
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PEDIATRIC AND PREVENTIVE DENTISTRY

TEACHING METHODS FOR FINAL PART II: 2023-2024

Dr Bijimole	2023-2024	<p>Traumatic injuries to teeth</p> <ul style="list-style-type: none"> ◆ Definition, classification ◆ Etiology and incidence ◆ Management of trauma to primary teeth ◆ Sequelae and reaction following trauma to primary teeth ◆ Management of trauma to young permanent teeth ◆ Prevention of trauma: mouth protectors 	<p>1) Participatory Learning</p> <p>a) Seminar presentation</p> <p>2) Experimental learning</p> <p>a) Patient Centric learning</p> <p>b) Clinical experiences</p> <p>3) Self Directed Learning</p> <p>a) Enhanced reading</p>	<p>1)Power point presentation</p> <p>2)Experiential Learning</p> <p>3)Integrated/Interdisciplinary learning</p> <p>4)Evidence based learning</p> <p>5)Self-directed learning</p> <p>6)Patient centric</p> <p>7)Participatory learning</p> <p>8)Project based learning</p>
Dr Renu	2023-2024	<p>Preventive Orthodontics</p> <ul style="list-style-type: none"> ◆ Importance and functions of deciduous dentition ◆ Effects of premature loss of primary teeth <p>Preventive Orthodontics:</p> <ul style="list-style-type: none"> ◆ Definition ◆ Preventive measures ◆ Space loss ◆ Space maintenance and space management ◆ Space maintainers: definition, classification, indications and contra indications, advantages and disadvantages including construction of fixed space maintainers ◆ Space regainers ◆ Mixed dentition analysis ◆ Serial extraction 	<p>1) Participatory Learning</p> <p>a) Seminar presentation</p> <p>2) Experimental learning</p> <p>a) Patient Centric learning</p> <p>b) Clinical experiences</p> <p>3) Self Directed Learning</p> <p>a) Enhanced reading</p>	<p>1)Power point presentation</p> <p>2)Experiential Learning</p> <p>3)Integrated/Interdisciplinary learning</p> <p>4)Evidence based learning</p> <p>5)Self-directed learning</p> <p>6)Patient centric</p> <p>7)Participatory learning</p> <p>8)Project based learning</p>
Dr Ebin	2023-2024	<p>Interceptive Orthodontics</p> <ul style="list-style-type: none"> ◆ Oral Habits in children ◆ Definition, classification and etiology of all habits ◆ Clinical features of deleterious oral habits including non- nutritive sucking, mouth 	<p>1) Participatory Learning</p> <p>a) Seminar presentation</p> <p>2) Experimental learning</p> <p>a) Patient Centric learning</p>	<p>1)Power point presentation</p> <p>2)Experiential Learning</p> <p>3)Integrated/Interdisciplinary learning</p> <p>4)Evidence based learning</p> <p>5)Self-directed learning</p> <p>6)Patient centric</p> <p>7)Participatory learning</p> <p>8)Project based learning</p>



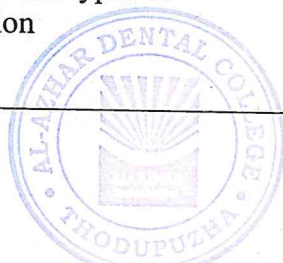
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PEDIATRIC AND PREVENTIVE DENTISTRY

TEACHING METHODS FOR FINAL PART II: 2023-2024

		breathing, non functional grinding, masochistic and occupational habits ♦ Management of oral habits in children ♦ Other problems seen during primary and mixed dentition period and their management	b) Clinical experiences 3) Self Directed Learning a) Enhanced reading	
Dr Sharon	2023-2024	Dental management of children with special needs ♦ Definition, classification, etiology, clinical features, special considerations in the dental management of : ♦ Physically handicapping conditions ♦ Mentally handicapping conditions ♦ Medically compromising conditions ♦ Genetic disorders and importance of genetic counselling including cleft lip and palate and its management	1) Participatory Learning a) Seminar presentation 2) Experimental learning a) Patient Centric learning b) Clinical experiences 3) Self Directed Learning a) Enhanced reading	1)Power point presentation 2)Experiential Learning 3)Integrated/Interdisciplinary learning 4)Evidence based learning 5)Self-directed learning 6)Patient centric 7)Participatory learning 8)Project based learning
Dr Stacey	2023-2024	Oral surgical procedures in children ♦ Indications and contra indications for extraction ♦ Minor surgical procedures in children ♦ Knowledge of local and general anaesthesia	1) Participatory Learning a) Seminar presentation 2) Experimental learning a) Patient Centric learning b) Clinical experiences 3) Self Directed Learning a) Enhanced reading	1)Power point presentation 2)Experiential Learning 3)Integrated/Interdisciplinary learning 4)Evidence based learning 5)Self-directed learning 6)Patient centric 7)Participatory learning 8)Project based learning
Dr Joseph	2023-2024	Preventive Dentistry ♦ Definition, principles and scope ♦ Levels and types of prevention	1) Participatory Learning a) Seminar presentation 2) Experimental learning	1)Power point presentation 2)Experiential Learning 3)Integrated/Interdisciplinary learning 4)Evidence based learning 5)Self-directed learning 6)Patient centric



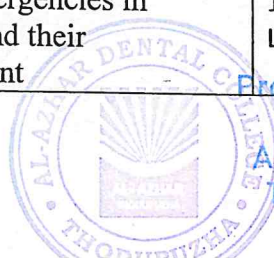
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PEDIATRIC AND PREVENTIVE DENTISTRY

TEACHING METHODS FOR FINAL PART II: 2023-2024

		<ul style="list-style-type: none"> ◆ Infant oral health care and first dental visit Preventive measures: ◆ Minimal intervention ◆ Pit and fissure sealants ◆ Preventive resin restorations ◆ Newer agents available for caries prevention and demineralization ◆ Caries vaccine 	<ul style="list-style-type: none"> a) Patient Centric learning b) Clinical experiences 3) Self Directed Learning a) Enhanced reading 	<ul style="list-style-type: none"> 7) Participatory learning 8) Project based learning
Dr Bijimole	2023-2024	Nano dentistry – Introduction, principles and technique – an outline	<ul style="list-style-type: none"> 1) Participatory Learning a) Seminar presentation 2) Self Directed Learning a) Enhanced reading 	<ul style="list-style-type: none"> 1) Power point presentation 2) Experiential Learning 3) Integrated/Interdisciplinary learning 4) Evidence based learning 5) Self-directed learning 6) Project based learning
Dr Renu	2023-2024	Dental Health Education and school dental health programmes	<ul style="list-style-type: none"> 1) Participatory Learning a) Seminar presentation 2) Experimental learning a) Patient Centric learning b) Clinical experiences 3) Self Directed Learning a) Enhanced reading 	<ul style="list-style-type: none"> 1) Power point presentation 2) Experiential Learning 3) Integrated/Interdisciplinary learning 4) Evidence based learning 5) Self-directed learning 6) Patient centric 7) Participatory learning 8) Project based learning
Dr Ebin	2023-2024	Importance of Dental HOME and anticipatory guidance	<ul style="list-style-type: none"> 1) Participatory Learning a) Seminar presentation 2) Self Directed Learning a) Enhanced reading 	<ul style="list-style-type: none"> 1) Power point presentation 2) Experiential Learning 3) Integrated/Interdisciplinary learning 4) Evidence based learning 5) Self-directed learning 6) Patient centric 7) Participatory learning 8) Project based learning
Dr Sharon	2023-2024	Dental emergencies in children and their management	<ul style="list-style-type: none"> 1) Participatory Learning 	<ul style="list-style-type: none"> 1) Power point presentation 2) Experiential Learning



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			a) Seminar presentation 2) Experimental learning a) Patient Centric learning b) Clinical experiences 3) Self Directed Learning a) Enhanced reading	3) Integrated/Interdisciplinary learning 4) Evidence based learning 5) Self-directed learning 6) Patient centric 7) Participatory learning 8) Project based learning
Dr Stacey	2023-2024	Setting up of paediatric dental practice including ethics	1) Participatory Learning a) Seminar presentation 2) Self Directed Learning a) Enhanced reading	1) Power point presentation 2) Experiential Learning 3) Integrated/Interdisciplinary learning 4) Evidence based learning 5) Self-directed learning 6) Patient centric 7) Participatory learning 8) Project based learning



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