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

INDEX SHEET

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1.	Certificate of the Head of Institution	2	
2.	List of ICT enabled tools used - Department wise	4	



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CERTIFICATE OF HEAD OF INSTITUTION



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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	87
FULL-TIME	
TEACHERS	





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DETAILS OF ICT ENABLED TOOLS USED FOR TEACHING AND LEARNING



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ICT ENABLED TOOLS DEPARTMENT OF ORTHODONTICS

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



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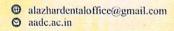
Dr. Hemant	2023-	General principles in orthodontic treatment	1)powerpoint
Nandan	2024	planning	Presentation
		Methods of gaining space	2)research
		Biomechanical principles in orthodontic tooth	based
		movement	Discussion
e .		Biology of tooth movement	
, V	ν	Cleft lip and palate	
-		Surgical orthodontics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

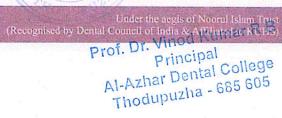




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Dr Anjali V.A	2023-	Development of dentition and	1)powerpoint
3	2024	Occlusion	Presentation
	2021	Occlusion basic concepts	2)research
*	*	Study models	based
~	-		Discussion
	_	Skeletal maturity indicators	Discussion
·	-	Preventive orthodontics	7 -
		Interceptive orthodontics	
		Fixed orthodontic appliances	
Dr Jose Sunny	2023-	Diagnostic aids - radiographs	1)powerpoint
	2024	Photographs	Presentation
-		Occlusograms	2)research
	*	Anchorage in orthodontics	based
		Orthopaedic appliances	Discussion
Dr. Waheda	2023-	Classification of malocclusion	1)powerpoint
Pyarilal	2024	Etiology of malocclusion	Presentation
		Case history	2)journal club
		Anchorage	
Dr. Gayathri	2023-	Classification of malocclusion	1)powerpoint
Prakash Anand	2024	Etiology of malocclusion	Presentation
		Orthodontic appliances	2)article
			critical
٠ ٧			Evaluation
Dr Neethu	2023-	Removable orthodontic appliances	1)powerpoint
Philip	2024	Myo functional appliances	Presentation
*		Cephalometry	2)article
ī	-	DENTAL	critical
	= -	A STANK CE	Evaluation



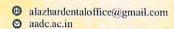




Dr.Lisie P	2023-	Principles of management of various	1)powerpoint
Mathew	2024	malocclusions	Presentation
o		Computers and recent developments in	2)article
=		orthodontics	critical
		genetics	Evaluation
-		Ethics	
*** *** **** *************************		Soldering and welding	* : ::::::::::::::::::::::::::::::
." "		sterilization	1.0
		laboratory procedures.	1

2ND YEAR ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS CLASSES

NAME OF STAFF	YEAR	TOPIC	ICT
			ENABLED TOOLS
DR JOBY	2023-24	Straightening of wire	Demonstration
PAULOSE		Equilateral triangle	videos by
		Square	departments
		Rectangle	
		Circle	
		U-V	
		C-clasp	
		Full clasp	
		Triangular clasp	
Dr. Hemant Nandan	2023-2024	Adams clasp	Demonstration
		Double cantilever spring	videos by
	ā-	Reverse labial bow	departments
		Roberts retractor	1



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Dr ANJALI V.A	2023-24	Coffin spring	Demonstration
DI AINJALI V.A	2023-24	Coffin spring	
		Palatal canine retractor	videos by
-	-	Short labial bow	departments
	MS V	U loop buccal canine retractor	
	- *	Helical canine retractor	
Dr JOSE SUNNY	2023-24	Long labial bow	Demonstration
	-,	Split labial bow	videos by
	g i	Finger spring	departments
Dr. WAHEDA	2023-24	Self supported canine retractor	Demonstration
PYARILAL		Hawley's appliance with anterior	videos by
-		bite plane	departments
- * * * * * * * * * * * * * * * * * * *		Tongue guard appliance	
		Oral screen	
oblishes the traces. It is not be it median			
DD CANATUDI	2023-24	Hawley's appliance	Demonstration
DR. GAYATHRI		fabrication	videos by
PRAKASH ANAND	-		departments
Dr NEETHU PHILIP	2023-24	Hawley's appliance with PBP and	Demonstration
		Z spring	videos by
			departments
Dr.LISIE P MATHEW	2023-24	Catalans appliance fabrication	Demonstration
- x	,	Expansion appliance fabrication	videos by
			departments
			T

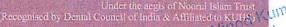


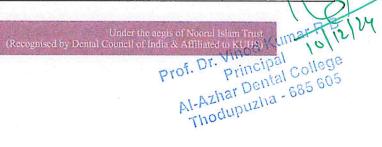


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DEPARTMENT OF PROSTHODONTICS

DrLitto	2023-24	CASTING PROCEDURES AND	1) Powerpoin
Manuel		DEFECTS JAW RELATION AND	t
		JAW MOVEMENTS	presentation
		CONCEPTS OF OCCLUSION AND	2) Journal club
		BALANCED OCCLUSION	2) Journal Club
		TOOTH SELECTION AND	
		TEETH ARRANGEMENT	
		TRIAL DENTURE	
		DENTURE INSERTION AND POST	
		INSERTION INSTRUCTIONS	
n .		RELINING AND	
		REBASING SINGLE	
*	_		
-		COMPLETE DENTURE	-
*		OVERDENTURE RESIDUAL PIDGE RECORDEION	
Dalling: Man	2022 24	RESIDUAL RIDGE RESORPTION	
DrVinni Mary	2023 -24	DENTAL CASTING	1) Powerpoin
Oommen	. =	ALLOYS DENTAL	t
		IMPLANT	presentation
		INTRODUCTION, DIAGNOSIS AND	2) Article
-	_7	TREATMENT PLANNING IN FPD	critical
-		PRINCIPLES OF TOOTH PREPARATION	evaluation
		PROVISIONAL RESTORATION	
χ	* _ ×	FLUID CONTROL AND SOFT TISSUE	F
	and the second	MANAGEMENT	a F
Dr.Ajay Soman	2023-24	WORKING CASTS	
		AND DIES RETAINERS	
2		IN FPD PONTICS	
-		CONNECTORS IN	a
		FPD RESIN BONDED	
		FPD FAILURES IN	* J
		FPD	
_		IMPLANT SUPPORTED FPD	
Dr Tessen V Thomas	2023-24	ABRASION AND POLISHING	1) Powerpoin
Di ressen y riioillas	2023-24	AGENTS RPD DESIGNING	t
	-	MAJOR	
— ::x	-	CONNECTORS	presentation
1		MINOR	2) Journal club
Dr.Radika Ravi	2022 24		
Dr.Kaulka Kavi	2023-24	CONNECTORS	* *
- 2		DIRECT	
- 1	-	RETAINERS	
		INDIRECT	
7		RETAINERS	- ;
		RPD IMPRESSION MATERIALS	
		AND PROCEDURES	-







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



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Dr	2023-24	GYPSUM PRODUCTS	1) Powerpoint
Jovin		BIOLOGICAL CONSIDERATIONS OF	presentation
Cherian		DENTAL MATERIALS	2) Article critical
		DENTAL INVESTMENT	evaluation
		MATERIALS RPD DESIGNING	- ,
-		DIE AND DIE MATERIALS	
	-	PARTIAL VENEER CROWN PREPARATION	2.2
	2023-24	IMPRESSIONS IN FPD	
н			2
Dr		* = *	a a
TharaM	=		
ariam			
Joseph	2		
DrJunu Henry	2023-24	INTRODUCTION OF DENTAL MATERIALS	1) Powerpoint
		IMPRESSION MATERIALS	presentation
		PHYSICAL PROPERTIES OF	2) Journal club
		DENTAL MATERIALS	
	ji	TARNISH AND	
	2023-24	CORROSION DENTAL	
Dr	. A	CERAMICS	
Thoufeeqmon	2	FULL VENEER CROWN PREPARATION	
KI			
DrAnuMerinT	2023-24	DENTURE BASE MATERIALS	1) Powerpoint
hampy	-		presentation
			2) Article critical





ICT ENABLED TOOLS

DEPARTMENT OF PUBLIC HEALTH DENTISTRY

NAME OF SAFF	YEAR	TOPIC	ICT ENABLED TOOLS
Dr Prijitha	2023-	DENTAL ECONOMICS	1)Journal
Alex	2024	GENERAL EPIDEMOLOGY I	club
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	GENERAL EPIDEMOLOGY II	2)Article
		ETHICS IN MEDICINE AND DENTISTRY	critical
	an I	PUBLIC HEALTH DENTISTRY I	evaluation
		PUBLIC HEALTH DENTISTRY II	
		DENTAL CARIES	b
		PERIODONTAL DISEASES	
	- 1	ORAL CANCER	
		MALOCCLUSION	
		SURVEY PROCEDURE IN DENTISTRY I	
		SURVEY PROCEDURE IN DENTISTRY II	
		DENTAL MAN POWER	4 -
		SCHOOL ORAL HEALTH PROGRAMME I	
		SCHOOL ORAL HEALTH PROGRAMME II	100000000000000000000000000000000000000
Dr Bharath	2023-	PLANNING AND EVALUATION I	1)Journal
Sekhar	2024	PLANNING AND EVALUATION II	club
Nayanar		AIR POLLUTION	2)Article
		HEALTH CARE DELIVERY SYSTEM	critical
		PRIMARY HEALTH CARE	evaluation
		COMMUNITY HEALTH CENTRES	
		HEALTH AGENCIES	
		INTRODUCTION TO INDICES	
		DENTAL CARIES INDICES	
1 2		PERIODONTAL INDICES	
- 1		FLOURIDE INDICES	
		OCCUPATIONAL HAZARDS IN	
	٨	DENTISTRYPHYSICAL	The state of the s
× ~*		AND CHEMICAL	THE STATE OF
		OCCUPATIONAL HAZARDS IN	MILY SELL
	ć <u>.</u>	DENTISTRYBIO	1 PM
	-	AND PSYCHO	4 121



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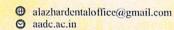
ICT ENABLED TOOLS

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	 General Embryology Development of tooth Development of face and oral cavity Dentin Maxillary Premolars Maxillary first molar Oral mucous membrane 	Integrated learning Participatory learning Self-directed learning	Powerpoint Lms

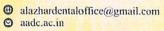


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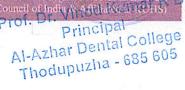


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Dr. Joe Manuel	FIRST YEAR: 23-24	 Enamel Maxillary central and lateral incisor Mandibular central and lateral incisor Maxillary canine Mandibular canine Cementum Calcium phosphorus metabolism Tooth eruption Tooth shedding 	 Integrated learning Participatory learning Self-directed learning 	PowerpointLms
				-
Dr. Diana	FIRST YEAR: 23-24	 Introduction to dental anatomy Salivary gland Pulp Pdl Bone Occlusion Tissue Processing 	 Integrated learning Participatory learning Self-directed learning 	PowerpointLms
Dr. Sreelakshmi	FIRST YEAR: 23-24	 TMJ Maxillary Sinus Deglutition Mandibular Second Premolar Mandibular first molar Mastication 	 Integrated learning Participatory learning Self-directed learning 	PowerpointLms
Dr. Lakshmipriya E	THIRD YEAR: 23-24	 Developmental Disturbances of Oral and Paraoral region Structures Odontogenic Cysts Salivary gland diseases 	 Integrated learning Participatory learning Self-directed learning 	Powerpoint Lms



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Dr. Sreelakshmi	THIRD YEAR:	 Diseases of pulp & periapical tissues 	Integrated learning	Powerpoint Lms
Dr. Diana	THIRD YEAR: 23-24	 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 	 Integrated learning Participatory learning Self-directed learning 	Powerpoint Lms
	23-24	Cavity Connective tissue tumors Disease of nerves and muscles Hematologic Diseases Diseases	learning • Self-directed learning	
Dr. Joe Manuel	THIRD YEAR:	 Allergic and Immunologic Diseases Of Oral 	IntegratedlearningParticipatory	PowerpointLms
		 Bone and Joint Diseases Dental Caries Traumatic, reactive & regressive lesions of oral cavity Periodontal diseases Principles of basic odontology 		



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	23-24	Diseases of TMJ	6	Participatory	
-				learning	* g
-			•	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	Powerpoint presentations Demonstration videos by Department
Dr. Sunil R	2023-2024	Introduction to GA and sedation Preanesthetic evaluation Preoperative preparation and medication Anesthgetic equipment Short aanesthesia in dental chair	Youtube videos Powerpoint presentations
Dr.Abhilash Mathew Thomas	2023-2024	TMJ :afflications 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 Prof. Dr. Vinod Kumar Principal

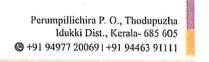
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STUDENT CENTRIC METHODS

DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

NAME OF STAFF	YEAR	TOPIC	ICT ENABLED TOOLS
Dr Nishin	2023-2024	Introduction	1.Powerpoint presentation
,		Dental cements Dental waxes	2.Article critical evaluation
		Introduction to conservative dentistry, definition, aim and scope of conservative dentistry, nomenclature of dent5ition and	3.Research based discussion 4. Journal club
		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	







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



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	1	[
_		Gingival tissue management	
2		Rationale of endodontic treatment	
		Re treatment in endodontics	
	-	Endodontic surgeries	



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Dr Binila	2023-2024	Direct filling gold	
			1.Journal club
		Diseases of dental pulp	
		Diseases of periradicular tissues	2.Article critical evaluation
	- A	Management of deep carious lesions	3.Youtube videos
		Minimal invasive dentistry	4.Powerpointpresentation
		Discolored teeth and its management	
		Cavity preparation for class II	
		Non carious cervical lesion	
		Dental caries	
		Vital pulp therapy, pulpotomy and apexification	
		, , , , , , , , , , , , , , , , , , , ,	
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Dr Shreya	2023-2024	Metals alloys	1.Powerpoint
		Dental casting alloys	presentation
- -		Hand instruments	2.Research based discussion
	,	Rotary cutting instruments	3.Article critical
		Tooth preparation for amalgam	evaluation
		restorations 3,5 amalgam restorations	4. Youtube videos
		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	

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2023-2024	Microbiology of endodontic infection	1.Powerpoint presentation
	Finishing and polishing and restorations	2.Research based discussion
-	Adhesion to tooth structure	3.Article critical evaluation
	Composite restorations	
	Direct and indirect tooth colored restorations	4.Youtube videos
	Obturation of root canal system	
	Endo-perio lesions	
y a	Esthetics in dentistry	
= -	Irrigants and medicaments	
	2023-2024	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





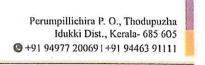


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Dr Sreekala	2023-2024	Mechanics of cutting	1.Journal club
		Dental ceramic and ceramic restorations	2.Article critical evaluation
	* -	Preventive measures in restorative practice Fundamentals in tooth preparation	Youtube videos A.Powerpoint presentation
		Temporization of inter-rim restorations	5.Research based discussion
		Infection control	
		Success and failure of endodontics	
		Root caries	
		Root canal sealers	
		Post endodontic restorations	
		Introduction, definition, scope and future of conservative dentistry and endodontics	

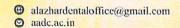






DEPARTMENT OF PERIODONTOLOGY 2023-24

SI No	Topic	Staff	ICT Enabled Tools
1.	Development of Periodontium	Power point presentation 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	 Power point presentation Demo videos Articles critical evaluation
3.	Age changes in teeth and periodontal structures and their association with periodontal diseases	Dr. Archana V	 Power point presentation Demo videos Articles critical evaluation
4.	Classification of periodontal diseases	Dr. Surya Suprabhan	1. Power point presentaton



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5.	Epidemiology of periodontal	Dr. Mazood Ahmed		
	diseases		Research based discussion	
			2. Power point presentation	
6.	Gingival Diseases			
0.	Gingival Diseases		1. Power point	
	Gingival inflammation	Dr. Thomas Kappen	presentation 2. Demo videos	
	Clinical features of gingivitis	Dr. Sajil John	3. Research based discussion	
	Gingival enlargement	Dr. Archana V		
	Acute gingival infections	Dr. Mazood Ahmed		
	Desquamative gingivitis	Dr. Surya Suprabhan		
7.	Periodontal Pocket	Dr. Anu Mathew	 Power Point presentation Demo videos 	
8.	Etiology	 Power point presentation Research based 		
	Dental Plaque	Dr. Thomas Kappen	discussion 3. Demo videos 4. Articles critical	
	Calculus	Dr. Mazood Ahmed	evaluation	
	Trauma from occlusion	Dr. Anu Mathew		
	Systemic diseases	Dr. Archana V	DENTAL COLOR	
	Interdisciplinary dentistry		212/14	



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-	Conservative Dentistry	Dr. Anu Mathew	
9 =	Conservative Dentistry	Di. Anu iviamew	
	Prosthodontics	Dr. Surya Suprabhan	
	Orthodontics	Dr. Mazood Ahmed	
9.	Risk factors	Dr. Anu Mathew	 Power point presentation Research based discussion
10.	Host response	Dr. Archana V	 Power point presentation Articles critical evaluation Research based discussion
11.	Periodontitis		Power point presentation
	Chronic periodontitis	Dr. Anu Mathew	2. Research based discussion3. Demo videos4. Articles critical
	Aggressive periodontitis and atypical periodontitis	Dr. Thomas Kappen	evaluation
	Periodontal abscess	Dr. Surya Suprabhan	
	Furcation involvement	Dr. Thomas Kappen	
	Periodontitis associated with systemic diseases	Dr. Archana V	11.0

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	Learning	1)Power point presentation 2)Experiential Learning
<u>.</u>			2) Self Directed Learning a) Enhanced reading	
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	Learning . a) Seminar	1)Power point presentation 2)Experiential Learning 3)Integrated/Interdisciplinary learning 4)Evidence based learning 5)Self-directed learning 6)Patient centric
	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	18/1, 0-10	1)Power point presentation 2)Experiential Learning 3)Integrated/Interdisciplinary learning 4)Evidence based learning 5)Self-directed learning 6)Patient centric Vinod Kumar R Principal ar Dental College upuzha - 685 605

TEACHING METHODS FOR III BDS: 2023-2024

Dr	2023-	Case history recording	1) Darticinat	415
Stacey	2024	♦ Principles of history taking examination, investigations.	a) Seminar	1)Power point presentation 2)Experiential Learning 3)Integrated/Interdisciplinary
		 diagnosis and treatment planning 	presentation	learning 4)Evidence based learning
			2) Experimental	5)Self-directed learning 6)Patient centric
			a) Patient Centric learning	7)Participatory learning
			b) Clinical experiences	
			3) Self Directed	
			Learning a) Enhanced	
Dr	2023-	Child David 1	reading	
Bijimole	2024	Child Psychology Definition	1) Participatory	1)Power point presentation
		♦ Importance of	Learning a) Seminar	2)Experiential Learning
	-	understanding Child		3)Integrated/Interdisciplinary learning
		Psychology in Pedodontics Theories	2) =	4)Evidence based learning
		• Psychological development	2) Experimental learning	5)Self-directed learning
		from birth through	a) Patient	6)Patient centric
	4	adolescence	Centric learning	7)Participatory learning 8)Role Play
	-	♦ Dental fear, anxiety and	b) Clinical	9)Project based learning
	-	their management, types of cry	experiences	
		♦ Application of Psychology	3) Self Directed	
		principles in management of child	Learning a) Enhanced	
		♦ patients in the dental office	reading	
-		 Psychological disorders 		
		including anorexia, bulimia		
		♦ Child abuse and neglect		
r oseph	2023- 2024	Behaviour management	1) Participatory	1)Power point presentation
	2024	♦ Definition ♦ Classification and types of	Learning	2)Experiential Learning
-1		behaviour	a) Seminar presentation	3)Integrated/Interdisciplinary
		• Factors influencing child	bi caelifatioti	learning 4) Evidence based I
		behaviour	2) Experimental	4)Evidence based learning 5)Self-directed learning
		non-Pharmacologic	learning	6)Patient centric
х		management of behaviour	a) Patient	7)Participatory learning
-		Pharmacologic management of behaviour-	Centric learning b) Clinical	8)Role Play
*		Conscious sedation	experiences	9)Project based learning
		including nitrous oxide-	2	
		A STATE OF THE STA	3) Self Directed/i	
			Learning Print Al-Azhar D	ncipal \\. O\

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TEACHING METHODS FOR III BDS: 2023-2024

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

10/12/24



PEDIATRIC AND PREVENTIVE DENTISTRY TEACHING METHODS FOR FINAL BDS PART I: 2023-2024

Dr	2023-	Dental Caries	1) Participatory	1)Power point presentation
Bijimole	2024	♦ Diagnostic procedures and	Learning	2)Experiential Learning
	,	caries detection	a) Seminar	3)Integrated/Interdisciplinar
		♦ Caries pattern in primary,	presentation	learning
		young permanent and	p. obolitation	4)Evidence based learning
		permanent teeth	2) Self Directed	5)Self-directed learning
	1	♦ Early childhood Caries,	Learning	6)Patient centric
		rampant caries- definition,	a) Enhanced	7)Participatory learning
		classification, etiology,	reading	8)Project based learning
		pathogenesis,		-/···sjeet basea learning
		clinical features,		
	2.2	complications and		
-		management	_ =	
		♦ Role of diet and nutrition		-
		in dental caries and sugar	* -	
		substitutes	,	
		♦ Diet counselling and diet	,	
		modifications	- 1	
		♦ Caries activity tests, caries		
		prediction, susceptibility and		
		their clinical application		
Dr Renu	2023-	Dental Radiology as related	1) Participatory	1)Power point property:
	2024	to Pedodontics	Learning	1)Power point presentation 2)Experiential Learning
			a) Seminar	3)Integrated/Interdisciplinary
			presentation	learning
				4)Evidence based learning
			2) Self Directed	5)Self-directed learning
		y a la l	Learning	6)Patient centric
		7 · · · · ·	a) Enhanced	7)Participatory learning
			reading	8)Project based learning
5 511				,
Dr Ebin	2023-	Dental materials used	1) Participatory	1)Power point presentation
	2024	commonly in children and	Learning	2)Experiential Learning
T I		adolescents (Outline	a) Seminar	3)Integrated/Interdisciplinary
		revision)	presentation	learning
				4)Evidence based learning
	- 1		2) Self Directed	5)Self-directed learning
	=		Learning	6)Participatory learning
	. 11		a) Enhanced	7)Project based learning
Dr	2023-	Paediatria Oparation	reading	
Sharon	2023-	Paediatric Operative Dentistry	1) Participatory	1)Power point presentation
	_52-7		Learning	2)Experiential Learning
	- 7	♦ Principles of Operative	a) Seminar	3)Integrated/Interdisciplinary
		Dentistry	presentation	learning
	, v	♦ Isolation- Importance and	3) Cale D:	4)Evidence based learning
		techniques A Young Pormand T. 11	3) Self Directed	5)Self-directed learning
Ì		♦ Young Permanent Teeth	Learning	6)Patient centric
		and clinical considerations	Prof. Dr. Vinc	7)Participatory learning

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TEACHING METHODS FOR FINAL BDS PART I: 2023-2024

		♦ Modifications in cavity	a) Enhanced	8)Project based learning
		preparation and recent cavity designs for primary and young	reading	op rojest based learning
		permanent teeth		
		♦ Atraumatic / Alternative		
		Restorative Technique		
		(ART)		
		♦ Other methods of caries		
		removal		
	_	♦ Restoration of carious	E. S. C. V. F. J. al mod	
		teeth (Primary, young		
		permanent and permanent		
		teeth) using	3	- 2
		various restorative materials		
		like glass ionomers,	-	
		composites, silver amalgam		
		♦ Preformed crowns:	= 1 8	
	=	Stainless steel,		
		polycarbonate and strip		
		crowns		
Dr	2023-	Gingival and Periodontal	1) Participatory	1)Power point presentation
Stacey	2024	diseases in children	Learning	2)Experiential Learning
		♦ Normal gingival and	a) Seminar	3)Integrated/Interdisciplinary
	the second	periodontium in children	presentation	learning
		♦ Definition, classification		4)Evidence based learning
		♦ Etiology, Pathogenesis and	2) Experimental	5)Self-directed learning
		management of gingival and	learning	6)Patient centric
-		periodontal condition seen in	a) Patient	7)Participatory learning
		children and adolescents	Centric learning	8)Project based learning
			b) Clinical	
			experiences	
			3) Self Directed	
	- [Learning	
			a) Enhanced	
			reading	
Dr 	2023-	Flourides	1) Participatory	1)Power point presentation
Joseph	2024	♦ Historical background	Learning	2)Experiential Learning
		♦ Systemic fluorides:	a) Seminar	3)Integrated/Interdisciplinary
		Availability, agents,	presentation	learning
42	_	concentrations, advantages		4)Evidence based learning
_		and disadvantages	2) Experimental	5)Self-directed learning
	_	♦ Topical fluorides: agents,	learning	6)Patient centric
		composition, method of	a) Patient	7)Participatory learning
		application both for professional and Prof	Centric learning เมาะให้เลล d Kum	8)Project based learning
		T	experiences al	
		home use, advantages and	Azhar Dental Co	ollege ,
		disadvantages4	rodupuzha - 68	605 / / /

TEACHING METHODS FOR FINAL BDS PART I: 2023-2024

		♦ Mechanism of action and	3) Self Directed	
		its anti-cariogenic effect	Learning	a
		♦ Fluoride toxicity and its	a) Enhanced	·
		management	reading	
		♦ Defluoridation techniques		
Dr	2023-	Paediatric Endodontics	1) Participatory	1)Power point presentation
Bijimole	2024	♦ Principles and diagnosis	Learning	2)Experiential Learning
		♦ Classification of pulp	a) Seminar	3)Integrated/Interdisciplinary
		pathology	presentation	learning
		♦ Management of pulpally		4)Evidence based learning
		involved primary, young	2) Experimental	5)Self-directed learning
		permanent and permanent	learning	6)Patient centric
		teeth	a) Patient	7)Participatory learning
		including materials used and	Centric learning	8)Project based learning
	-	techniques followed:	b) Clinical	
		♦ Pulp capping	experiences	
		♦ Pulpotomy		*
		♦ Pulpectomy	3) Self Directed	
		♦ Apexogenesis	Learning	
		♦ Apexification	a) Enhanced	
		La Caracia de Caracia	reading	

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TEACHING METHODS FOR FINAL PART II: 2023-2024

Dr	2023-	Traumatic injuries to teeth	1) Participatory	1)Power point presentation
Bijimole	2024	♦ Definition, classification	Learning	2)Experiential Learning
		♦ Etiology and incidence	a) Seminar	3)Integrated/Interdisciplinary
		♦ Management of trauma to	presentation	learning
	- 1	primary teeth		4)Evidence based learning
		♦ Sequelae and reaction	2) Experimental	5)Self-directed learning
		following trauma to primary	learning	6)Patient centric
		teeth	a) Patient	7)Participatory learning
¥		♦ Management of trauma to	Centric learning	8)Project based learning
		young permanent teeth	b) Clinical	
		♦ Prevention of trauma:	experiences	
	-			
		mouth protectors	3) Self Directed	
		* , *	Learning	
			a) Enhanced	
D. D	2022	D	reading	1\0
Dr Renu	2023- 2024	Preventive Orthodontics	1) Participatory	1)Power point presentation
	2024	♦ Importance and functions	Learning	2)Experiential Learning
4,000		of deciduous dentition	a) Seminar	3)Integrated/Interdisciplinary
_		♦ Effects of premature loss	presentation	learning
		of primary teeth	0) 5	4)Evidence based learning
		Preventive Orthodontics:	2) Experimental	5)Self-directed learning
		♦ Definition	learning	6)Patient centric
	all the second	♦ Preventive measures	a) Patient	7)Participatory learning
		♦ Space loss	Centric learning	8)Project based learning
		♦ Space maintenance and	b) Clinical	
		space management	experiences	
	A	♦ Space maintainers:		
		definition, classification,	3) Self Directed	,
	e	indications and contra	Learning	
		indications,	a) Enhanced	1 1
		advantages and	reading	
		disadvantages including		
		construction of fixed space	1	
	1	maintainers		
		♦ Space regainers		
ii O	-	♦ Mixed dentition analysis	1100	
		♦ Serial extraction		
Dr Ebin	2023-	Interceptive Orthodontics	1) Participatory	1)Power point presentation
	2024	♦ Oral Habits in children	Learning	2)Experiential Learning
		♦ Definition, classification	a) Seminar	3)Integrated/Interdisciplinary
		and etiology of all habits	presentation	learning
		♦ Clinical features of		4)Evidence based learning
ē ,		deleterious oral habits	2) Experimental	5)Self-directed learning
		including non- nutritive	learning	6)Patient centric
-		sucking, mouth	a) Patient	7)Participatory learning
		18/ 11/18/12/12/1	Centric learning	8)Project based learning
			Prior. Dr. Vine	

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TEACHING METHODS FOR FINAL PART II: 2023-2024

		5 3 36 9		
		breathing, non functional	b) Clinical	
		grinding, masochistic and	experiences	i az e
		occupational habits	2) 0 10 2	2
		♦ Management of oral habits in children	3) Self Directed	
			Learning	
		♦ Other problems seen	a) Enhanced	*
		during primary and mixed	reading	
		dentition period and their		
Dr	2022	management		Adams and the second
Sharon	2023-	Dental management of	1) Participatory	1)Power point presentation
Silaivii	2024	children with special needs	Learning	2)Experiential Learning
	-	♦ Definition, classification,	a) Seminar	3)Integrated/Interdisciplinary
		etiology, clinical features,	presentation	learning
		special considerations in the	21.5	4)Evidence based learning
		dental	2) Experimental	5)Self-directed learning
		management of:	learning	6)Patient centric
		♦ Physically handicapping	a) Patient	7)Participatory learning
		conditions	Centric learning	8)Project based learning
		♦ Mentally handicapping	b) Clinical	
		conditions	experiences	
		♦ Medically compromising	3) Calf Directed	
		conditions	3) Self Directed Learning	
		♦ Genetic disorders and	a) Enhanced	
		importance of genetic	reading	
		counselling including cleft	reading	
		lip and palate and its		
Dir	2022	management		
Dr Stacey	2023- 2024	Oral surgical procedures in	1) Participatory	1)Power point presentation
Statey	2024	children	Learning	2)Experiential Learning
		♦ Indications and contra	a) Seminar	3)Integrated/Interdisciplinary
	- 3	indications for extraction	presentation	learning
		♦ Minor surgical procedures	2) 5	4)Evidence based learning
		in children	2) Experimental	5)Self-directed learning
		♦ Knowledge of local and	learning	6)Patient centric
	e e	general anaesthesia	a) Patient	7)Participatory learning
			Centric learning	8)Project based learning
			b) Clinical	
	<u> </u>		experiences	
			3) Self Directed	
		*	Learning	
			a) Enhanced	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
			reading	
Dr	2023-	Preventive Dentistry	1) Participatory	1)Power point presentation
Joseph	2024	♦ Definition, principles and	Learning	2)Experiential Learning
		scope	a) Seminar	3)Integrated/Interdisciplinary
	-	♦ Levels and types of	presentation	learning
		prevention		4)Evidence based learning
	1	DENTA	2) [
		10	2) Experimental	5)Self-directed learning

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TEACHING METHODS FOR FINAL PART II: 2023-2024

		 ♦ 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 	a) Patient Centric learning b) Clinical experiences 3) Self Directed Learning a) Enhanced reading	7)Participatory learning 8)Project based learning
Dr Bijimole	2023- 2024	Nano dentistry – Introduction, principles and technique – an outline	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)Project based learning
Dr Renu	2023- 2024	Dental Health Education and school dental health programmes	1) Participatory Learning a) Seminar presentation 2) Experimental learning a) Patient Centric learning b) Clinical experiences 3) Self Directed Learning a) Enhanced	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	reading 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
Dr Sharon	2023- 2024	Dental emergencies in children and their management	1) Participatory Learning	1)Power point presentation 2)Experiential Learning

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PEDIATRIC AND PREVENTIVE DENTISTRY TEACHING METHODS FOR FINAL PART II: 2023-2024

presentation 2) Experimental learning a) Patient Centric learning b) Clinical experiences 3) Self Directed Learning a) Enhanced	learning 4)Evidence based learning 5)Self-directed learning 6)Patient centric 7)Participatory learning 8)Project based learning
learning a) Patient Centric learning b) Clinical experiences 3) Self Directed Learning a) Enhanced	5)Self-directed learning 6)Patient centric 7)Participatory learning
Centric learning b) Clinical experiences 3) Self Directed Learning a) Enhanced	
b) Clinical experiences 3) Self Directed Learning a) Enhanced	
experiences 3) Self Directed Learning a) Enhanced	
3) Self Directed Learning a) Enhanced	
Learning a) Enhanced	
Learning a) Enhanced	
a) Enhanced	
	Property of the control of the contr
reading	Etitle in the second of the se
1) Participatory	1)Power point presentation
Learning	2)Experiential Learning
a) Seminar	3)Integrated/Interdisciplinary
presentation	learning
	4)Evidence based learning
2) Self Directed	5)Self-directed learning
	6)Patient centric
Learning	
Learning a) Enhanced	7)Participatory learning
	Learning

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