



ST. GREGORIOS DENTAL COLLEGE

UNDER THE MANAGEMENT OF MJSCE TRUST, PUTHENCRUZ
CHELAD, KOTHAMANGALAM, ERNAKULAM DIST, KERALA- 686681
(AFFILIATED TO KERALA UNIVERSITY OF HEALTH SCIENCES)

LASER DENTISTRY



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LASER DENTISTRY

Venue: ORTHODONTICS SEMINAR HALL

Date/Time: 20/11/2024 to 23/11/2024

Course syllabus: Minimally invasive practice of lasers in dentistry.

Preamble:

This course delves into the forefront of dental innovation where laser technology reshapes traditional treatment methods, enabling precise, efficient and minimally invasive procedures. Laser technology has revolutionized the field of dentistry by offering advanced, minimally invasive treatments that improve patient outcomes and comfort. The **Laser Dentistry Add-On Program in Periodontics** is designed specifically for dental interns who are eager to integrate cutting-edge laser techniques into their practice, particularly for periodontal management. This program emphasizes the latest advancements in laser technology, including its clinical applications in the treatment of periodontal diseases, soft tissue surgeries, and hard tissue procedures, thus enabling interns to enhance their skills and broaden their knowledge base.

Rationale of the course:

Through a combination of lectures, case-based discussions and hands-on demonstrations, the course focuses on technological advancements, patient centric approaches, professional development and inter-disciplinary collaboration within the field of periodontics.

Aim:

This course aims to equip Intern students with a comprehensive understanding of laser dentistry principles, different techniques, evidence-based decision making, and critical thinking in the integration of laser technology into Periodontic practice along with hands-on training.

Eligible participants: Interns



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Course duration: Total 30 hours

Mode of delivery: Offline mode

Course coordinator: Dr. Anila S

Course faculty: Faculties of Department of Periodontics

20/11/2024

MODULE 1: FUNDAMENTAL OF PERIODONTICS		
Overview of periodontal anatomy	Dr. Anila S	8.00am - 9.30am
Pathogenesis of periodontal disease	Dr. Anila S	9.30am - 10.30am
Traditional periodontal treatment method	Dr. Anila S	10.30am - 11.00pm
MODULE 2: LASER PHYSICS AND TISSUE INTERACTION		
Lasers interaction with tissue	Dr. Anila S	11.00am - 12.00pm
Clinical significance of laser wavelengths	Dr. Anila S	12.00pm-12.30pm
Laser-tissue interaction in periodontal therapy	Dr. Anila S	12.30pm-1.00pm

MODULE 3: HARD TISSUE LASERS IN DENTISTRY		
Applications of hard tissue lasers	Dr. Annie V Issac	1.:30pm-2:00pm
Advantages over traditional drilling techniques	Dr. Annie V Issac	2.00pm-2:30pm
Case discussions	Dr. Annie V Issac	2:30pm-2.45pm



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MODULE 4: SOFT TISSUE LASERS IN DENTISTRY

Applications of soft tissue lasers	Dr. Annie V Issac	2.45pm-3.00pm
Advantages over traditional methods	Dr. Annie V Issac	3.00pm- 3.30pm
Case discussions	Dr. Annie V Issac	3.30pm-4:00pm

21/11/2024

MODULE 5: LASER IN NON-SURGICAL PERIODONTAL THERAPY

Laser –assisted scaling and root planing	Dr. Anila S	8.00AM – 10.30AM
Bio- stimulation and healing enhancement	Dr. Anila S	10.30AM – 11.30AM
Reducing inflammation and promoting Tissue regeneration	Dr. Anila S	11.30AM – 12.00PM
Clinical application and case stuides	Dr. Anila S	12.00PM – 1.00PM

MODULE 6: LASER ASSISTED PERIODONTAL PROCEDURE

Laser for soft tissue management	Dr. Annie V Issac	1.30 PM – 2.30 PM
Laser for hard tissue applications	Dr. Annie V Issac	2.30pm- 3.30pm
Laser – assisted new attachment procedure	Dr. Annie V Issac	3.30pm - 4.30 pm

22/11/2024

MODULE 7: LASER PROTOCOLS AND TREATMENT PLANNING

Laser treatment planning	Dr. Anila S	8.00AM – 9.30AM
Laser protocols for specific periodontal procedures	Dr. Anila S	9.30AM- 10.00AM
Evaluation and post treatment care	Dr. Anila S	10.00 AM- 11.00AM
Documentation and communication	Dr. Anila S	11.00AM- 11.30AM



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MODULE 8: CLINICAL INTEGRATION AND PATIENT BENEFITS		
Overview of clinical benefits	Dr. Anila S	12:00pm-1:00pm
Overview of patient outcomes	Dr. Anila S	1:00pm-1:30pm
Case discussions	Dr. Anila S	1:30pm-2:00pm
MODULE 9: REVIEW AND FEEDBACK		
Review of key takeaways from the course	Dr. Anila S	2.30PM- 3.00PM
Reflection on person all earning goals and objectives achieved	Dr. Anila S	3.00PM -3.30PM
Feedback and evaluation: soliciting input for course improvement	Dr. Anila S	3.30PM-4.30PM

23/11/2024

Hands-on soft tissue lasers	Dr. Anila S	8.00AM-12.30PM
Hands-on hard tissue lasers	Dr. Anila S	1.00PM - 4.30pm



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POST EVENT REPORT

‘Laser dentistry’ Course conducted at St. Gregorios Dental College from November 20 to November 23, 2024, aimed to provide house surgeon students with comprehensive knowledge and practical skills in latest advancements, applications, and clinical benefits of laser dentistry. The course was designed to enhance students ‘understanding of these essential components in practice, enabling them to deliver high-quality patient care and improve treatment outcomes.

The course was attended by Interns from St. Gregorios Dental College with a keen interest in Periodontics. Continuous feedback was solicited from participants through interactive sessions and post-event surveys. Faculty members provided individualized feedback to students during practical sessions, focusing on skill development and technique refinement. The lectures and the hands-on training sessions received positive feedback from participants, who expressed appreciation for the comprehensive curriculum. Students reported increased desire to know and practice more on lasers, highlighting the practical relevance of the course content.



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FEEDBACK FORM

1. Overall Course Evaluation:

How would you rate the overall organization and structure of the course?

- a. Excellent b. Very Good c. Good d. Fair e. Poor

Did the course meet your expectations?

- a. Yes b. No

2. Content and Presentation:

Rate the quality of the lectures and presentations.

- a. Excellent b. Very Good c. Good d. Fair e. Poor

Were the topics covered relevant and beneficial to your learning?

- a. Yes b. No

Were the explanations clear and easy to understand?

- a. Yes b. No

3. Hands-on Sessions:

Rate the effectiveness of the hands-on sessions and practical demonstrations.

- a. Excellent b. Very Good c. Good d. Fair e. Poor

Did the hands-on sessions enhance your understanding and skills in isolation and magnification techniques?

- a. Yes b. No

4. Instructors and Facilitators:

How would you rate the knowledge and expertise of the instructors?

- a. Excellent b. Very Good c. Good d. Fair e. Poor

Were the instructors approachable and responsive to questions?

- a. Yes b. No

5. Course Materials:

Were the course materials (handouts, presentations) helpful in your learning?

- a. Yes b. No

Do you have any suggestions for improving the course materials?



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6. Logistics and Facilities:

How would you rate the logistics and facilities provided during the course?

- a. Excellent b. Very Good c. Good d. Fair e. Poor

Were the venue and equipment suitable for the hands-on sessions?

- a. Yes b. No

7. Suggestions for Improvement:

What aspects of the course did you find most valuable?

Are there any areas of the course that you think could be improved?

Do you have any suggestions for future topics or speakers?

8. Additional Comments:

Please share any additional comments or feedback about your experience in the course.

9. Would you recommend this course to your peers?

- a. Yes b. No

10. Participant Information (Optional):

Name (Optional):

Email (Optional):

Thank you for your participation and valuable feedback! Your input will help us enhance future educational offerings. Please return the completed form to Dr. Sanjith P Salim.



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FEEDBACK ANALYSIS

Analyzing student and instructor perspectives when analyzing feedback on the topic of "Laser Dentistry" requires a multidimensional approach. For the session, the students responded positively. Over 90% of the students took part in the training. Some of them had trouble reading the slides, so they provided comments on how to make the presentation room's lighting system better. Many have shown a wish to learn more about the subject.



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ASSIGNMENT

1. Which of the following lasers is most commonly used for soft tissue procedures such as gingivectomy and frenectomy?

- A) CO₂ Laser
- B) Er:YAG Laser
- C) Diode Laser
- D) Nd:YAG Laser

2. What is the primary wavelength range of a diode laser used in periodontal therapy?

- A) 1,064 nm
- B) 810–980 nm
- C) 2,940 nm
- D) 10,600 nm

3. Which laser is primarily used for hard tissue procedures such as root planing and bone ablation?

- A) CO₂ Laser
- B) Er:YAG Laser
- C) Diode Laser
- D) Nd:YAG Laser

4. What is the main advantage of using lasers in periodontal surgery?

- A) Increased bleeding
- B) Precision and minimal tissue damage
- C) Longer recovery times
- D) Higher cost compared to scalpel techniques

5. What wavelength does the Nd:YAG laser emit?

- A) 1,064 nm
- B) 2,940 nm
- C) 810 nm
- D) 10,600 nm

6. Which of the following is the most common indication for laser-assisted periodontal treatment?

- A) Endodontic infections
- B) Tooth whitening
- C) Pocket debridement and bacterial reduction
- D) Orthodontic adjustment



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7. In laser-assisted new attachment procedure (LANAP), what is the primary goal?

- A) To perform a traditional flap surgery
- B) To stimulate periodontal regeneration and new attachment formation
- C) To extract severely mobile teeth
- D) To remove all periodontal tissue

8. Which of the following is a key benefit of using lasers in periodontal treatment compared to conventional methods?

- A) Increased risk of infection
- B) Reduction in post-operative pain and swelling
- C) Requirement for more extensive flap surgery
- D) Longer treatment time

9. What is the typical power setting for diode lasers used in pocket debridement during periodontal treatment?

- A) 3–5 watts
- B) 0.5–2 watts
- C) 5–10 watts
- D) 10–15 watts

10. Which of the following statements about laser use in periodontal therapy is true?

- A) Lasers are only used for soft tissue procedures.
- B) Laser therapy has no effect on bacterial reduction in periodontal pockets.
- C) Laser therapy can help promote tissue regeneration and reduce inflammation.
- D) Lasers cause more bleeding than conventional methods.

Answer Key Summary

- 1. C) Diode Laser
- 2. B) 810–980 nm
- 3. B) Er:YAG Laser
- 4. B) Precision and minimal tissue damage
- 5. A) 1,064 nm
- 6. C) Pocket debridement and bacterial reduction
- 7. B) To stimulate periodontal regeneration and new attachment formation
- 8. B) Reduction in post-operative pain and swelling
- 9. B) 0.5–2 watts
- 10. C) Laser therapy can help promote tissue regeneration and reduce inflammation.



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ATTENDANCE






ST. GREGORIOS DENTAL COLLEGE, CHELAD

UNDER THE MANAGEMENT OF MJSCE TRUST, PUTHENCRUZ
CHELAD, KOTHAMANGALAM, ERNAKULAM DIST, KERALA- 686681

TOPIC: *Lower In Dentistry*
20/11/24 - 23/11/24

Sl no.	Name of participant	Day 1	Day 2	Day 3	Day 4
✓ 1.	<i>Honey Leja Sajana</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
✓ 2.	<i>Vidhya K S</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
✓ 3.	<i>Nidhiya Elias</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
✓ 4.	<i>Elma Sajjo T.</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
✓ 5.	<i>Jesly Mariam Jacob</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
✓ 6.	<i>Aritha Moolan</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
✓ 7.	<i>Surabhi B.s</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
✓ 8.	<i>Malavika Nairamshya</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
✓ 9.	<i>Angela Susan</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
✓ 10.	<i>Mariya George</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
✓ 11.	<i>Annal Theresa</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
✓ 12.	<i>Anna Ashin Benny</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
✓ 13.	<i>Sarah Sunil</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
✓ 14.	<i>Anjana Rose</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
✓ 15.	<i>Divya S. Raj</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
✓ 16.	<i>Dona Davis</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
✓ 17.	<i>Kareena Rachel</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
✓ 18.	<i>Dilna Elizabeth</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
✓ 19.	<i>Anzina Balcer</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
✓ 20.	<i>Parthi</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
✓ 21.	<i>Sneha Sajikumar</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
✓ 22.	<i>Ramani</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
✓ 23.	<i>Liyana Shilou</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
✓ 24.	<i>Annie Robert</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
✓ 25.	<i>Shrut Sai</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

		
PRINCIPAL	DEU Convenor	DEU Secretary



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TOPIC: *Laws in Dentistry*
 20/11/24 - 23/11/24

Sl no.	Name of participant	Day 1	Day 2	Day 3	Day 4
26	Sameera Saji	<i>Sameera</i>	<i>Sameera</i>	<i>Sameera</i>	<i>Sameera</i>
27	Esha Sainudeen	<i>Esha</i>	<i>Esha</i>	<i>Esha</i>	<i>Esha</i>
28	Nakul P G	<i>Nakul</i>	<i>Nakul</i>	<i>Nakul</i>	<i>Nakul</i>
29	Amal A	<i>Amal</i>	<i>Amal</i>	<i>Amal</i>	<i>Amal</i>
30	Henna Sony Paul	<i>Henna</i>	<i>Henna</i>	<i>Henna</i>	<i>Henna</i>
31	Iezia Marlon Creeza	<i>Iezia</i>	<i>Iezia</i>	<i>Iezia</i>	<i>Iezia</i>
32	Maria Reji	<i>Maria</i>	<i>Maria</i>	<i>Maria</i>	<i>Maria</i>
33	Maya Maria	<i>Maya</i>	<i>Maya</i>	<i>Maya</i>	<i>Maya</i>
34	Alex	<i>Alex</i>	<i>Alex</i>	<i>Alex</i>	<i>Alex</i>
35	Alina B Paul	<i>Alina</i>	<i>Alina</i>	<i>Alina</i>	<i>Alina</i>
36	Seethi VS	<i>Seethi</i>	<i>Seethi</i>	<i>Seethi</i>	<i>Seethi</i>
37	Souraj S	<i>Souraj</i>	<i>Souraj</i>	<i>Souraj</i>	<i>Souraj</i>
38	Ani K. Raghavan	<i>Ani</i>	<i>Ani</i>	<i>Ani</i>	<i>Ani</i>
39	Anabel Jose	<i>Anabel</i>	<i>Anabel</i>	<i>Anabel</i>	<i>Anabel</i>
40	Abhirami Suresh	<i>Abhirami</i>	<i>Abhirami</i>	<i>Abhirami</i>	<i>Abhirami</i>
41	Aashika Ann	<i>Aashika</i>	<i>Aashika</i>	<i>Aashika</i>	<i>Aashika</i>
42	Jithin	<i>Jithin</i>	<i>Jithin</i>	<i>Jithin</i>	<i>Jithin</i>
43	Santhya Tresa	<i>Santhya</i>	<i>Santhya</i>	<i>Santhya</i>	<i>Santhya</i>
44	Melvin Antony	<i>Melvin</i>	<i>Melvin</i>	<i>Melvin</i>	<i>Melvin</i>

PRINCIPAL	DEU Convenor	DEU Secretary



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BROCHURE



ST. GREGORIOS DENTAL COLLEGE,
CHELAD

LASER IN DENTISTRY

SPEAKER : DR.ANILA S

VENUE : ORTHO SEMINAR HALL

DATE : 20.11.2024 - 23.11.2024

ORGANISED BY DEPARTMENT OF PERIODONTICS



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PHOTO



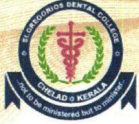
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16/01/25 08:34 AM GMT +05:30



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CERTIFICATE



**ST. GREGORIOS DENTAL COLLEGE,
CHELAD**

CERTIFICATE OF ATTENDANCE

This certificate is proudly presented to

Shruthi Saji

has attended a Add On Course Program titled 'LASER IN DENTISTRY' conducted
by Department of Periodontics from *20/11/2024* to *23/11/2024*

JMch.

**DR.JAIN MATHEW
PRINCIPAL**

Tina

**DR.TINA ELIZABETH JACOB
DEU SECRETARY**

Paul

**DR.SAUGANTH PAUL
IQAC COORDINATOR**



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ANATOMY OF MOVEMENT



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ANATOMY OF MOVEMENT

Venue: Anatomy Dissection Hall, St. Gregorios Dental College

Date/Time: 16.07.2024-19.07.2024

Course Syllabus: Anatomy of Movement for 1st year students

Preamble:

Dental students will find it useful to know how movement occurs in the body because this will affect many different things they need within the dentist work. From seeing patients at first until treating them with their ailments. To carry out operations like tooth removal, restorative work or just routine check-up, dentists have to make exact movements. In order to reduce fatigue, hurt and improve the success rate, there is need to appreciate musculoskeletal functioning in the regions (speaking of head, neck and arms) concerned with some body parts biomechanics.

Rationale of the course:

The course provides a foundation for the understanding of dental structures and musculoskeletal structures. This is crucial for the mechanics of mastication, speech and facial expressions. Understanding the anatomy helps the undergraduates grasp the knowledge of oral function, occlusion and treatment planning to address dental issues effectively.

Aim:

The aim is to give the students a comprehensive understanding of anatomical structures and their mechanics. This helps in building a solid foundation for their dental practice



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Eligible participants: First year students

Course duration: Total 30 hours

Mode of delivery: Offline

Course coordinator: Ms. Manju Manoharan

Course faculty: Ms. Nima M. Kalappura



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16.07.2024

MODULE 1: INTRODUCTION TO MUSCULOSKELETAL ANATOMY		
Basic Overview	Ms. Manju Manoharan	8.30am-9.00am
Anatomy	Ms. Manju Manoharan	9.00am-9.30am
Facial anatomy	Ms. Manju Manoharan	10.00am-11.am

MODULE 2: HEAD AND NECK ANATOMY		
Anatomy of head and neck	Ms. Nima M Kalappura	11.30am-12.30pm
Clinical Examination	Ms. Nima M Kalappura	12.30pm-1.00pm
significance	Ms. Nima M Kalappura	1.00pm-1.30pm

MODULE 3: CRANIOFACIAL DEVELOPMENT		
Craniofacial Development	Ms. Nima M Kalappura	2.00pm-3.00pm
Embryological development	Ms. Nima M Kalappura	3.00pm-4.00pm
Significance in dental practice	Ms. Nima M Kalappura	4.00pm-4.30pm

17.07.2024

MODULE 4: MASTICATORY MUSCLES		
Muscles involved	Ms. Nima M Kalappura	8.30am-9.00am
Attachments and mechanics	Ms. Nima M Kalappura	9.00am-10.00am
significance	Ms. Nima M Kalappura	10.00am-11.00am



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MODULE 5: TEMPOROMANDIBULAR JOINT		
Examination of the anatomy	Ms. Nima M Kalappura	11.00am-12.00pm
Biomechanics of TMJ	Ms. Nima M Kalappura	12.00pm-1.00pm
Significance	Ms. Nima M Kalappura	1.00pm-1.30pm

MODULE 6: ORAL MOTOR FUNCTION		
Types of motor function	Ms. Manju Manoharan	2.30pm-3.00pm
Sensory functions	Ms. Manju Manoharan	3.00pm-3.30pm
Structures responsible	Ms. Manju Manoharan	3.30pm-4.30pm

18.07.2024

MODULE 7: BIOMECHANICS OF OCCLUSION		
Study of forces	Ms. Nima M Kalappura	8.30am-9.00am
Role of muscles and bones	Ms. Nima M Kalappura	9.00am-10.00am
Functions	Ms. Nima M Kalappura	10.00am-11.00am

MODULE 8: FUNCTIONAL ANATOMY OF TONGUE AND PALATE		
Examination	Ms. Nima M Kalappura	11.30am-12.30pm
Function	Ms. Nima M Kalappura	12.30pm-1.30pm



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Significance	Ms. Nima M Kalappura	1.30pm-2.00pm
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MODULE 9: POSTURAL CONSIDERATIONS		
Understanding the influence on oral function	Ms. Manju Manoharan	2.30pm-3.00pm
Influence on occlusion	Ms. Manju Manoharan	3.00pm-4.30pm
Influence on TMJ	Ms. Manju Manoharan	4.30pm-5.00pm

19.07.2024

MODULE 10: IMAGING TECHNIQUES		
Different Modalities	Ms. Nima M Kalappura	8.30am-9.30am
Techniques	Ms. Nima M Kalappura	9.30am-10.30am
Interpretation	Ms. Nima M Kalappura	10.30am-11.30am

MODULE 11: PATHOPHYSIOLOGY OF MOVEMENT		
Basics	Ms. Manju Manoharan	12.00pm-12.30pm
Disorders of head, neck and oral structures	Ms. Manju Manoharan	12.30pm-1.00pm
Effects	Ms. Manju Manoharan	1.00pm-1.30pm

MODULE 12: DEMONSTRATION		
Demonstration	Ms. Nima M Kalappura	2.00pm -3.00pm
Review	Ms. Nima M Kalappura	3.00pm-4.00pm



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POST EVENT REPORT

The dates 16.07.2024-19.07.2024 was when the event was carried was on the basics of anatomy of movement and it turned out to be great that surpassed the number of people expected. This event led to vibrant discussions and network opportunities.

Esteemed speakers provided insightful presentations on basics of movement, the structures involved, their significance, and more during the event. This prompted audiences into engaging dialogue, with ideas exchanged among them.

Participants had the opportunity to discuss specific areas of interest in depth using interactive workshops and breakout sessions which encouraged collaboration and exchange of information. Examples of interactive lectures, case-based learning as well as demonstration were given.

The event went very well because it was well organized to make the participation of everyone successful and free of errors. Participants have given positive responses about the content, organization and networking chances during the occasion.



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FEEDBACK FORM

1. Content and Presentation:

Rate the quality of the lectures and presentations.

- a. Excellent b. Very Good c. Good d. Fair e. Poor

Were the topics covered relevant and beneficial to your learning?

- a. Yes b. No

Were the explanations clear and easy to understand?

- a. Yes b. No

2. Hands-on Sessions:

Rate the effectiveness of the hands-on sessions and practical demonstrations.

- a. Excellent b. Very Good c. Good d. Fair e. Poor

Did the hands-on sessions enhance your understanding and skills in isolation and magnification techniques?

- a. Yes b. No

3. Instructors and Facilitators:

How would you rate the knowledge and expertise of the instructors?

- a. Excellent b. Very Good c. Good d. Fair e. Poor

Were the instructors approachable and responsive to questions?

- a. Yes b. No

4. Course Materials:

Were the course materials (handouts, presentations) helpful in your learning?

- a. Yes b. No

Do you have any suggestions for improving the course materials?



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5. Logistics and Facilities:

How would you rate the logistics and facilities provided during the course?

- a. Excellent b. Very Good c. Good d. Fair e. Poor

Were the venue and equipment suitable for the hands-on sessions?

- a. Yes b. No

6. Suggestions for Improvement:

Are there any areas of the course that you think could be improved?

Do you have any suggestions for future topics or speakers?

7. Additional Comments:

Please share any additional comments or feedback about your experience in the course.

8. Would you recommend this course to your peers?

- a. Yes b. No

9. Participant Information (Optional):

Name (Optional):

Email (Optional):

Thank you for your participation and valuable feedback! Your input will help us enhance future educational offerings. Please return the completed form to Dr. Sanjith P Salim.



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ASSIGNMENT

- 1. Which one of the following is not classified as a type of muscle tissue?**
 - a) Skeletal
 - b) Ligamentous
 - c) Cardiac
 - d) Smooth
- 2. The type of joint that allows the largest amount of motion**
 - a) Ball-and-socket joint
 - b) Hinge joint
 - c) Pivot joint
 - d) Gliding joint
- 3. Which muscle is responsible for extension of the knee joint?**
 - a) Biceps femoris
 - b) Rectus femoris
 - c) Gastrocnemius
 - d) Hamstring group
- 4. What structure furnishes sensory feedback concerning the position and movement of the joint?**
 - a) Tendon
 - b) Ligament
 - c) Synovial fluid
 - d) Proprioceptor
- 5. Which one of the following do not make part of the central nerve system?**
 - a) Brain
 - b) Spinal cord
 - c) Peripheral nerves
 - d) Brainstem
- 6. What is the type of muscle contraction that involves a muscle contracting while getting longer?**
 - a) Isometric
 - b) Concentric
 - c) Eccentric



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- d) Isotonic
- 7. In what part of the body can the deltoid muscle be found?**
- Shoulder
 - Thigh
 - Abdomen
 - Forearm
- 8. The socket of the hip joint is formed by:**
- Femur
 - Pelvis
 - Tibia
 - Fibula
- 9. What is used for bending movement of a joint, decreasing the angle between the two bones?**
- Flexion
 - Extension
 - Abduction
 - Adduction
- 10. What is the primary function of cerebellum?**
- Sensory processing
 - Voluntary muscle control and coordination
 - Regulation of heart rate and breathing
 - Hormone secretion

ASSIGNMENT KEY


- b) Ligamentous
- a) Ball-and-socket joint
- b) Rectus femoris
- d) Proprioceptor
- c) Peripheral nerves
- c) Eccentric
- a) Shoulder
- b) Pelvis
- a) Flexion
- b) Voluntary muscle control and coordination



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BROCHURE

 **ST. GREGORIOS DENTAL COLLEGE,
CHELAD**

ANATOMY OF MOVEMENT

SPEAKER : MS.NIMA M KALAPPURA

VENUE : ANATOMY DISSECTION HALL

DATE : 16.07.2024-19.07.2024

ORGANISED BY DEPARTMENT OF ANATOMY



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ATTENDANCE



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UNDER THE MANAGEMENT OF MJSCE TRUST, PUTHENCRUZ
CHELAD, KOTHAMANGALAM, ERNAKULAM DIST, KERALA- 686681

TOPIC: *Anatomy of Movement*
16/7/2024 - 19/7/2024

Sl no.	Name of participant	Day 1	Day 2	Day 3	Day 4
1.	Abiya Elsa Ohajan	<i>Abiya</i>	<i>Abiya</i>	<i>Abiya</i>	<i>Abiya</i>
2.	Sandra Jesin	<i>Sandra</i>	<i>Sandra</i>	<i>Sandra</i>	<i>Sandra</i>
3.	Aletheena .M. Albens	<i>Aletheena</i>	<i>Aletheena</i>	<i>Aletheena</i>	<i>Aletheena</i>
4.	M. SORNA SUBASHINI	<i>Sorna</i>	<i>Sorna</i>	<i>Sorna</i>	<i>Sorna</i>
5.	Nandana - B	<i>Nandana</i>	<i>Nandana</i>	<i>Nandana</i>	<i>Nandana</i>
6.	Moncy Sebastin	<i>Moncy</i>	<i>Moncy</i>	<i>Moncy</i>	<i>Moncy</i>
7.	Hathipriya	<i>Hathipriya</i>	<i>Hathipriya</i>	<i>Hathipriya</i>	<i>Hathipriya</i>
8.	Geetha Mohanan	<i>Geetha</i>	<i>Geetha</i>	<i>Geetha</i>	<i>Geetha</i>
9.	MADHURIMA RAMESH	<i>Madhurima</i>	<i>Madhurima</i>	<i>Madhurima</i>	<i>Madhurima</i>
10.	Sayana Shazeef	<i>Sayana</i>	<i>Sayana</i>	<i>Sayana</i>	<i>Sayana</i>
11.	Brighty K. Benny	<i>Brighty</i>	<i>Brighty</i>	<i>Brighty</i>	<i>Brighty</i>
12.	Feba Saju	<i>Feba</i>	<i>Feba</i>	<i>Feba</i>	<i>Feba</i>
13.	Theertha Rajamohanam	<i>Theertha</i>	<i>Theertha</i>	<i>Theertha</i>	<i>Theertha</i>
14.	Ashika Saji	<i>Ashika</i>	<i>Ashika</i>	<i>Ashika</i>	<i>Ashika</i>
15.	Olivia Rose	<i>Olivia</i>	<i>Olivia</i>	<i>Olivia</i>	<i>Olivia</i>
16.	Masia Rose	<i>Masia</i>	<i>Masia</i>	<i>Masia</i>	<i>Masia</i>
17.	Munu G	<i>Munu</i>	<i>Munu</i>	<i>Munu</i>	<i>Munu</i>
18.	Anamika .S.	<i>Anamika</i>	<i>Anamika</i>	<i>Anamika</i>	<i>Anamika</i>
19.	Anuree V.A.	<i>Anuree</i>	<i>Anuree</i>	<i>Anuree</i>	<i>Anuree</i>
20.	Anna Robin	<i>Anna</i>	<i>Anna</i>	<i>Anna</i>	<i>Anna</i>
21.	APswanya V.S	<i>APswanya</i>	<i>APswanya</i>	<i>APswanya</i>	<i>APswanya</i>
22.	Haresha .S	<i>Haresha</i>	<i>Haresha</i>	<i>Haresha</i>	<i>Haresha</i>
23.	Riya .P.S	<i>Riya</i>	<i>Riya</i>	<i>Riya</i>	<i>Riya</i>
24.	IRINE THOMAS	<i>Irine</i>	<i>Irine</i>	<i>Irine</i>	<i>Irine</i>
25.	Kavyasakthi.S	<i>Kavya</i>	<i>Kavya</i>	<i>Kavya</i>	<i>Kavya</i>

		
PRINCIPAL	DEU Convenor	DEU Secretary



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CHELAD, KOTHAMANGALAM, ERNAKULAM DIST, KERALA- 686681

TOPIC: *Anatomy of Movement*
10/7/24 - 19/7/24

Sl no.	Name of participant	Day 1	Day 2	Day 3	Day 4
26	Jemi Gomez	Jemi	Jemi	Jemi	Jemi
27	Niveeditha M.M.	Nivee	Nivee	Nivee	Nivee
28	Supriya	Supriya	Supriya	Supriya	Supriya
29	Ahitha Meera Yeldo	Ahitha	Ahitha	Ahitha	Ahitha
30	Namitha Anna Meetha	Namitha	Namitha	Namitha	Namitha
31	Neha Mathew	Neha	Neha	Neha	Neha
32	Glennic Susan Manu	Glennic	Glennic	Glennic	Glennic
33	Sarathi Krishna .KV	Sarathi	Sarathi	Sarathi	Sarathi
34	Anakha Jayakumar	Anakha	Anakha	Anakha	Anakha
35	Fathima Zeena Sherce	Fathima	Fathima	Fathima	Fathima
36	Keethana Kannan Nambiar	Keethana	Keethana	Keethana	Keethana
37	Vyshnavy. A.A.	Vyshnavy	Vyshnavy	Vyshnavy	Vyshnavy
38	Angel Zachariah	Angel	Angel	Angel	Angel
39	Ashish G. Menon	Ashish	Ashish	Ashish	Ashish
40	Reeve Paul	Reeve	Reeve	Reeve	Reeve
41	Thomas T. Chirayil	Thomas	Thomas	Thomas	Thomas
42	Joseph Francis	Joseph	Joseph	Joseph	Joseph
43	Liluv Thomas Philip	Liluv	Liluv	Liluv	Liluv
44	Aswin. C	Aswin	Aswin	Aswin	Aswin
45	Ajic D hail.	Ajic	Ajic	Ajic	Ajic
46	SANJAY R.V	Sanjay	Sanjay	Sanjay	Sanjay
47	Tessa Rose	Tessa	Tessa	Tessa	Tessa
48	Devika Suresh.	Devika	Devika	Devika	Devika
49	QUIN PHILIP ZACHARIAH	Quin	Quin	Quin	Quin

PRINCIPAL	DEU Convenor	DEU Secretary



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PHOTO



Photographs of Add-on Program 'Anatomy of Movement'



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CERTIFICATE



ST. GREGORIOS DENTAL COLLEGE,
CHELAD


CERTIFICATE OF ATTENDANCE

This certificate is proudly presented to

Sayana Shanuf

has attended a Add On Course Program titled 'ANATOMY OF MOVEMENT'
conducted by Department of Anatomy from 16.01.24 to 19.01.24


DR. JAIN MATHEW
PRINCIPAL


DR. TINA ELIZABETH JACOB
DEU SECRETARY


DR. SAUGANTH PAUL IQAC
COORDINATOR



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ADVANCED IMAGING TECHNIQUES



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ADVANCED IMAGING TECHNIQUES

Venue: Prosthodontic seminar hall, St. Gregorios Dental College

Date/time: 28.08.2024 to 31.08.2024

Course syllabus:

ADVANCED IMAGING TECHNIQUES

Preamble:

The course " ADVANCED IMAGING TECHNIQUES " is an invaluable resource for dental professionals who want to learn more about **Digital radiography, Cone Beam Computed Tomography (CBCT), 3D imaging**, and other cutting-edge imaging technologies have transformed the way dental professionals assess and treat a wide range of conditions, from routine dental procedures to complex medical diagnoses.. With the speed at which technology is developing, this course provides a thorough examination revolutionary potential beyond conventional 2D imaging, enabling practitioners to use this sophisticated instrument with confidence and accuracy. Participants will learn the many intricacies of advanced applications and become proficient in its use in diagnosis, treatment planning, and therapeutic interventions through a combination of theoretical insights and practical experience. We are setting out on a quest to improve patient care and transform the field of modern dentistry as we begin this educational journey.

Rationale of the course:

The purpose of the course "Advanced imaging techniques" is to discuss the increasing significance and intricacy of **Digital radiography, Cone Beam Computed Tomography (CBCT), 3D imaging** in modern dentistry. Acknowledging CBCT's critical role in transforming diagnostic capacities and treatment planning, this course provides dental practitioners with a strong justification for improving their comprehension and skill with this cutting-edge imaging technique. The goal of the course is to enable practitioners to make well-informed clinical decisions, optimise treatment outcomes, and guarantee patient safety by giving them a greater understanding of the fundamentals, applications, and potential pitfalls of the advanced imaging modalities.

Aim:

Phone: 0485-2572531, 532, 9188952016, 9188952017

Email: sgdc@rediffmail.com, Web: sgdc.ac.in



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The course "advanced imaging techniques" aims to provide dental practitioners with the
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understanding and useful skills they need to effectively utilise about **Digital radiography, Cone Beam Computed Tomography (CBCT), 3D imaging**, and other cutting-edge imaging technologies in their clinical practice. The course aims to provide participants with an understanding of the nuances of CBCT technology, its applications, and its role in improving patient care, treatment planning, and diagnostic accuracy by going beyond typical 2D imaging. By use of a methodical curriculum that includes theoretical underpinnings, case studies, and practical instruction, the course seeks to enable practitioners to fully utilise these advanced techniques for improving patient care and furthering the area of contemporary dentistry.

Eligible participants: interns

Course duration: Total 30 hours

Mode of delivery: Offline mode

Course coordinator: Dr. Ancy Kuriakose

Course faculty: Dr. Merin George

DAY 1: 28/08/2024

MODULE 1 :INTRODUCTION TO AVANCED IMAGING TECHNIQUES		
Overview of traditional and advanced imaging methods	Dr. Merin George	8.30am -9.00am
Advantages and challenges of conventional methods	Dr. Merin George	9.00am-9.30am
Overview of imaging modalities	Dr. Merin George	10.00am-10.30am



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MODULE 2 DIGITAL RADIOGRAPHY AND ITS APPLICATION IN DENTISTRY

Types of radiography	Dr. Merin George	11.00am -11.30am
Advantages of digital radiography	Dr. Merin George	11.30am-12.30pm
Clinical applications	Dr. Merin George	12.30pm-1.30pm

MODULE 3 CBCT-BASICS AND CLINICAL APPLICATIONS

Principles of CBCT imaging and its applications	Dr. Merin George	2.00pm -2.30pm
Interpretation of CBCT scans	Dr. Merin George	2.30pm-3.30pm
Radiation safety considerations	Dr. Merin George	3.30pm-4.30pm

MODULE 4 INTRODUCTION TO 3D IMAGING

Principles and advantages of 3D imaging	Dr. Ancy Kuriakose	8.30am -9.30am
Application of 3D imaging in dentistry	Dr. Ancy Kuriakose	9.30am-10.00am
Integration with CBCT and digital workflows	Dr. Ancy Kuriakose	10.00am-10.30am

DAY 2: 29/08/2024

MODULE 5 ADVANCED CBCT IMAGING TECHNIQUES

Role of CBCT in Implantology	Dr. Merin George	11.00am -11.30am
Virtual planning and surgical guides	Dr. Merin George	11.30am-12.30pm
Complications in implantology	Dr. Merin George	12.30pm-1.30pm

MODULE 6 IMAGING OF TMJ DISORDERS

TMJ anatomy and common pathologies	Dr. Merin George	2.00pm -2.30pm
Imaging techniques: MRI,CBCT	Dr. Merin George	2.30pm-3.30pm
Clinical case discussions and imaging findings	Dr. Merin George	3.30pm-4.30pm



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DAY 3: 30/08/2024

MODULE 7 SOFT TISSUE IMAGING:MRI AND APPLICATIONS		
Principles of MRI	Dr. Merin George	8.30am -9.00am
Clinical applications	Dr. Merin George	9.00am-9.30am
MRI Protocols for dental and maxillofacial assesment	Dr. Merin George	9.30am-10.30am

MODULE 8 3D IMAGING IN ORTHODONTICS		
Digital models for orthodontic treatment planning	Dr. Merin George	11.00am -11.30am
3D imaging in clear aligners	Dr. Merin George	11.30am-12.30pm
Assessment of occlusion,tooth alignment and jaw relation	Dr. Merin George	12.30pm-1.30pm

MODULE 9 RADIATION SAFETY AND DOSE OPTIMIZATION		
Radiation exposure and safety protocols	Dr. Ancy Kuriakose	2.00pm -2.30pm
ALARA principle	Dr. Ancy Kuriakose	2.30pm-3.30pm
Regulatory guidelines for radiation safety in dental practise	Dr. Ancy Kuriakose	3.30pm-4.30pm

DAY 4: 31/08/2024

MODULE 10 ADVANCED IMAGING INTERPRETATION AND DIAGNOSIS		
Interpreting CBCT,Digital radiographs and 3D imaging	Dr. Merin George	8.30am -9.00am
Image artifcats and impact on diagnosis	Dr. Merin George	9.00am-9.30am
Case studies for image analysis and diagnosis	Dr. Merin George	9.30am-10.30am



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MODULE 11 ETHICAL AND LEGAL ISSUES

Informed consent and patient rights	Dr. Merin George	11.00am -11.30am
Role of imaging evidence	Dr. Merin George	11.30am-12.30pm
Confidentiality of imaging data	Dr. Merin George	12.30pm-1.30pm

MODULE 12 WORKSOP AND CASE STUDIES IN ADVANCED IMAGING

Practice with CBCT ,3D Imaging	Dr. Merin George	2.00pm -2.30pm
Group discussions	Dr. Merin George	2.30pm-3.30pm
Final assessment and feedback	Dr. Merin George	3.30pm-4.30pm



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POST EVENT REPORT

The successful conclusion of the "Advanced imaging technique" course, held in the college auditorium, is highlighted in the post-event report. Under the direction of renowned speaker Dr. Merin George, Head of the Department of Oral Medicine and Radiology, the programme gave participants a wealth of knowledge on the diverse uses of **Digital radiography, Cone Beam Computed Tomography (CBCT), 3D imaging**, and other cutting-edge imaging technologies in modern dentistry. Through case studies, practical exercises, and interactive discussions, the training enabled dental practitioners to become more proficient in using CBCT technology for accurate diagnosis, treatment planning, and therapeutic treatments. The response received after the event highlights how well the course accomplished its goal of giving participants the knowledge and abilities needed to raise the bar for modern dentistry care.



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CHELAD, KOTHAMANGALAM, ERNAKULAM DIST, KERALA - 686681
(AFFILIATED TO KERALA UNIVERSITY OF HEALTH SCIENCES)

FEEDBACK FORM

1. Overall Course Evaluation:
 - How would you rate the overall organization and structure of the course?
 - Excellent
 - Very Good
 - Good
 - Fair
 - Poor
 - Did the course meet your expectations?
 - Yes
 - No
2. Content and Presentation:
 - Rate the quality of the lectures and presentations.
 - Excellent
 - Very Good
 - Good
 - Fair
 - Poor
 - Were the topics covered relevant and beneficial to your learning?
 - Yes
 - No
 - Were the explanations clear and easy to understand?
 - Yes
 - No
3. Hands-on Sessions:
 - Rate the effectiveness of the hands-on sessions and practical demonstrations.
 - Excellent
 - Very Good
 - Good
 - Fair
 - Poor
 - Did the hands-on sessions enhance your understanding and skills in isolation and magnification techniques?
 - Yes
 - No



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4. Instructors and Facilitators:
- How would you rate the knowledge and expertise of the instructors?
 - Excellent
 - Very Good
 - Good
 - Fair
 - Poor
 - Were the instructors approachable and responsive to questions?
 - Yes
 - No
5. Course Materials:
- Were the course materials (handouts, presentations) helpful in your learning?
 - Yes
 - No
 - Do you have any suggestions for improving the course materials?
6. Logistics and Facilities:
- How would you rate the logistics and facilities provided during the course?
 - Excellent
 - Very Good
 - Good
 - Fair
 - Poor
 - Were the venue and equipment suitable for the hands-on sessions?
 - Yes
 - No
7. Suggestions for Improvement:
- What aspects of the course did you find most valuable?



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FEEDBACK ANALYSIS

Participants in the course "Advance imaging techniques" responded very well, according to the feedback analysis, which attests to the course's worth and efficacy. Participants frequently complimented the thorough explanation of **Digital radiography, Cone Beam Computed Tomography (CBCT), 3D imaging** and its uses, highlighting the applicability and relevancy of the information provided. Participants praised Dr. Merin George's ability to simplify difficult ideas and lead lively debates, and she was widely praised for her knowledge and captivating teaching approach. Particularly well-liked were the hands-on practical workshops, which gave participants excellent opportunity for experiential learning. Positive criticism focused on ideas for increasing the course's participation and adding more case-based discussions. Overall, the overwhelmingly favourable feedback highlights how well the course met participants' educational needs and achieved its goals of improving knowledge and skills in modern dentistry.



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ASSIGNMENT

- 1. What is the primary advantage of Cone Beam Computed Tomography (CBCT) over conventional 2D imaging?**
 - A) Higher resolution for soft tissue imaging
 - B) Ability to produce 3D images of hard tissues
 - C) Requires less radiation
 - D) Inexpensive and easily portable
- 2. Which imaging technique is commonly used for detailed evaluation of bone structures in implant dentistry?**
 - A) Magnetic Resonance Imaging (MRI)
 - B) Cone Beam Computed Tomography (CBCT)
 - C) Panoramic X-ray
 - D) Intraoral X-ray
- 3. Which of the following is not a key benefit of using digital radiography in dental practice?**
 - A) Reduced radiation exposure
 - B) Immediate image preview
 - C) Requires a darkroom for film development
 - D) Enhanced image quality and resolution
- 4. What is the main application of 3D imaging in orthodontics?**
 - A) To detect dental caries
 - B) To plan tooth extraction
 - C) To analyze the relationship between teeth, bones, and soft tissues
 - D) To perform root canal treatment
- 5. What is the primary use of MRI (Magnetic Resonance Imaging) in oral medicine?**
 - A) To evaluate bone density
 - B) To assess soft tissues like muscles, nerves, and salivary glands
 - C) To examine dental implants
 - D) To detect cavities and tooth decay
- 6. True or False: CBCT is primarily used for imaging soft tissues in the oral cavity.**
 - A) True
 - B) False



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- 7. Which of the following is not a feature of digital radiography?**
- A) Instant image display
 - B) High contrast and sharpness
 - C) Increased radiation exposure
 - D) No need for traditional film development
- 8. What is one major advantage of 3D imaging in implantology?**
- A) It eliminates the need for surgical procedures
 - B) It provides detailed visualizations of bone structure and surrounding tissues
 - C) It reduces the overall treatment cost
 - D) It requires no special equipment
- 9. What kind of imaging is ideal for evaluating the temporomandibular joint (TMJ)?**
- A) CT scan
 - B) CBCT scan
 - C) MRI
 - D) Panoramic X-ray
- 10. What is a primary consideration when using advanced imaging techniques in dental treatment planning?**
- A) Patient consent for radiation exposure
 - B) The patient's ability to afford the procedure
 - C) The type of dental materials used in treatment
 - D) The number of teeth involved in the treatment

ANSWER KEY

- 1. **B** — Ability to produce 3D images of hard tissues
- 2. **B** — Cone Beam Computed Tomography (CBCT)
- 3. **C** — Requires a darkroom for film development
- 4. **C** — To analyze the relationship between teeth, bones, and soft tissues
- 5. **B** — To assess soft tissues like muscles, nerves, and salivary glands
- 6. **B** — False
- 7. **C** — Increased radiation exposure
- 8. **B** — It provides detailed visualizations of bone structure and surrounding tissues
- 9. **C** — MRI
- 10. **A** — Patient consent for radiation exposure



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ATTENDANCE LIST

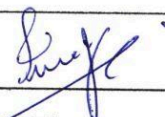


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UNDER THE MANAGEMENT OF MJSCE TRUST, PUTHENCRUZ
CHELAD, KOTHAMANGALAM, ERNAKULAM DIST, KERALA- 686681

TOPIC: *Advanced Imaging techniques*
28/8/24 - 31/8/24

Sl no.	Name of participant	Day 1	Day 2	Day 3	Day 4
1.	<i>Geopika S.M</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
2.	<i>Hridya Kuniakose</i>	BROCHURE			
3.	<i>Hephziba Tom</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
4.	<i>Sandya Mariam Thomas</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
5.	<i>Ansha K.A</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
6.	<i>Anjitha K Vijay</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
7.	<i>Annel Rachel Joy</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
8.	<i>SREEMOL R</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
9.	<i>Nishu B</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
10.	<i>Swigthe Jayaraj</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
11.	<i>Dendra D. Deyan</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
12.	<i>Mehar Jan Shaw.</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
13.	<i>Miswa T.P</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
14.	<i>Vaishnavi S.</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
15.	<i>Jini Jiji</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
16.	<i>Abhinaya, K.A</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
17.	<i>Sulekshmi</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
18.	<i>Maria M. Raju.</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
19.	<i>Sara Mathew</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
20.	<i>Sneha N.S</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
21.	<i>Liya Merin Paul</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
22.	<i>Merin Rose.</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
23.	<i>Riya</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
24.	<i>Melbin K.R</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>


		
PRINCIPAL	DEU Convenor	DEU Secretary



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BROCHURE

 ST. GREGORIOS DENTAL COLLEGE,
CHELAD

ADVANCED IMAGING TECHNIQUES

DR. MERIN

 PROSTHO SEMINAR HALL

 28.08.2024 - 31.08.2024

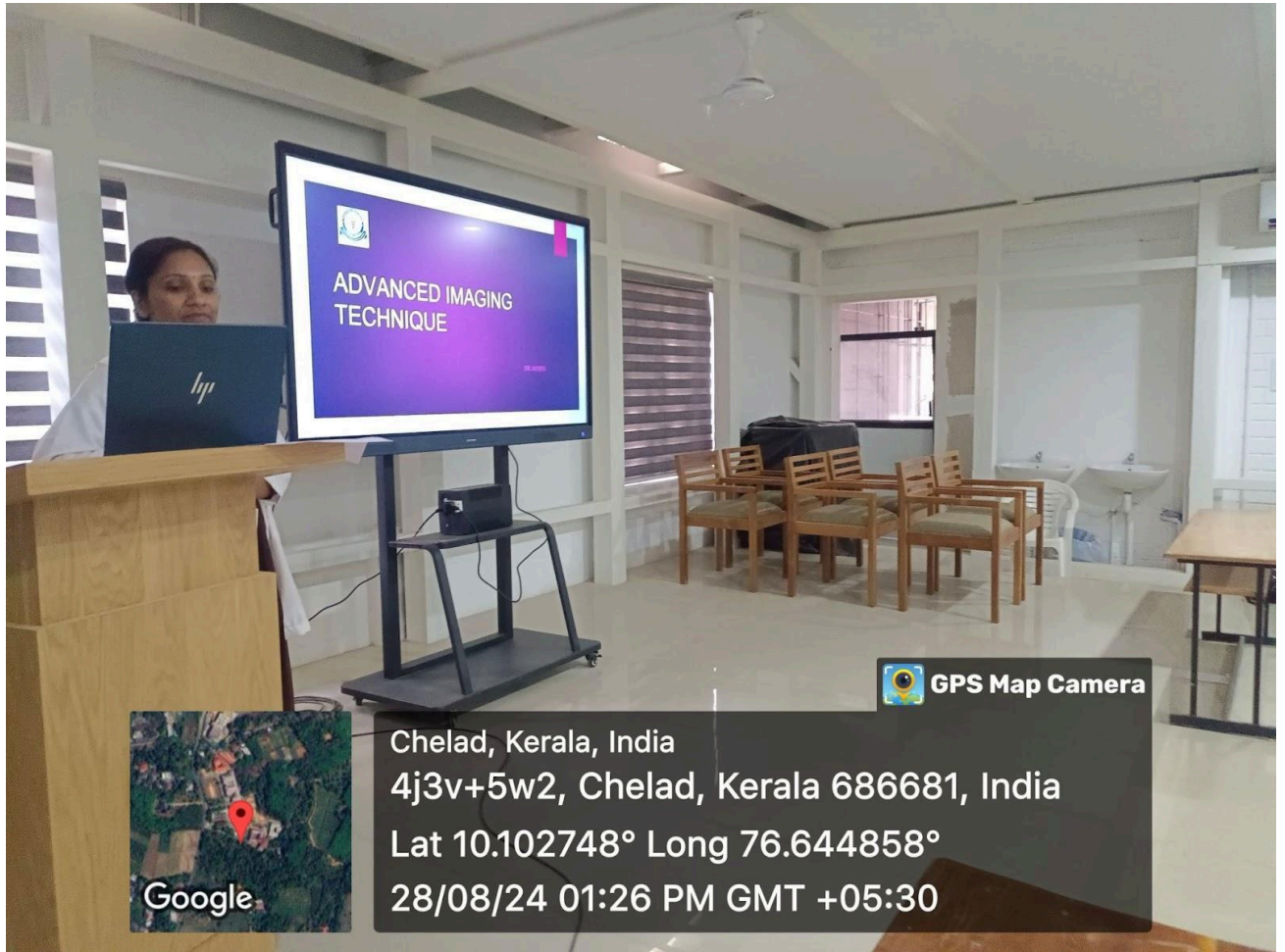
ORGANISED BY DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY




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PHOTOS



 GPS Map Camera

Chelad, Kerala, India
4j3v+5w2, Chelad, Kerala 686681, India
Lat 10.102748° Long 76.644858°
28/08/24 01:26 PM GMT +05:30

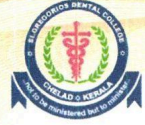




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CERTIFICATE



**ST. GREGORIOS DENTAL COLLEGE,
CHELAD**

CERTIFICATE OF ATTENDANCE

This certificate is proudly presented to

HRIDYA KURIAKOSE

has attended a Add On Course Program titled 'ADVANCED IMAGING TECHNIQUES'
conducted by Department of Oral Medicine & Radiology
from 28/8/2024 to 31/8/2024


**DR. JAIN MATHEW
PRINCIPAL**


**DR. TINA ELIZABETH JACOB
DEU SECRETARY**


**DR. SAUGANTH PAUL
IQAC COORDINATOR**



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PHYSIOLOGY OF LIFESTYLE DISORDERS



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PHYSIOLOGY OF LIFESTYLE DISORDERS

Venue: Physiology Lecture Hall

Date/time 14.01.2025-17.01.2025

Course syllabus: Physiology of Lifestyle Disorders.

Preamble:

This program is designed to introduce 3rd -year BDS students to the physiological mechanisms underlying common lifestyle disorders and to highlight the relevance of lifestyle factors in oral health and overall well-being.

Lifestyle disorders, also known as non-communicable diseases (NCDs), are health conditions primarily influenced by unhealthy lifestyle choices and behaviors rather than infectious agents. These disorders arise from factors such as poor dietary habits, physical inactivity, tobacco and alcohol use, stress, and inadequate sleep. Understanding lifestyle disorders is of paramount importance for dental students due to the intricate connections between oral health and overall systemic health. As future dental professionals, they play a vital role not only in treating oral diseases but also in promoting holistic health and preventive care.

Rationale of the course:

The rationale for offering a course on the physiology of lifestyle disorders is multifaceted and aligns with the evolving landscape of healthcare and the increasing recognition of the significant impact of lifestyle choices on health outcomes.

Aim:

The aim of the course on the physiology of lifestyle disorders is to equip students with a comprehensive understanding of the physiological mechanisms underlying common health conditions influenced by lifestyle factors.



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Eligible participants: Second Year students

Course duration: Total 30 hours

Mode of delivery: Offline mode

Course coordinator: Ms. Jitha K.S.

Course Faculty: Dr. Paul MP



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DAY 1: 14/01/2025

MODULE 1 INTRODUCTION TO LIFESTYLE DISORDERS		
Definition and Classification	Ms. Josna Raju	8.30am -9.00am
Epidemiology and Global Impact	Ms. Josna Raju	9.00am-9.30am
Public Health Implications	Ms. Josna Raju	10.00am-10.30am

MODULE 2 OBESITY AND METABOLIC SYNDROME		
Pathophysiology of Obesity	Ms. Josna Raju	11.00am -11.30am
Metabolic Syndrome Components	Ms. Josna Raju	11.30am-12.30pm
Consequences of Obesity	Ms. Josna Raju	12.30pm-1.30pm

MODULE 3 DIABETES MELLITUS		
Physiology of Glucose Homeostasis	Ms. Josna Raju	2.00pm -2.30pm
Type 1 Diabetes Mellitus	Ms. Josna Raju	2.30pm-3.30pm
Type 2 Diabetes Mellitus	Ms. Josna Raju	3.30pm-4.30pm

DAY 2: 15/01/2025

MODULE 4 CARDIOVASCULAR DISEASES		
Anatomy and Physiology of the Cardiovascular System	Ms. Jitha K.S.	8.30am -9.30am
Atherosclerosis and Coronary Artery Disease	Ms. Jitha K.S.	9.30am-10.00am
Hypertension and Stroke	Ms. Jitha K.S.	10.00am-10.30am



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MODULE 5 CANCER AND LIFESTYLE FACTORS

Cancer Biology and Tumor Development	Ms. Jitha K.S.	11.00am -11.30am
Lifestyle Factors and Cancer Risk	Ms. Jitha K.S.	11.30am-12.30pm
Psychosocial Factors and Cancer	Ms. Jitha K.S.	12.30pm-1.30pm

MODULE 6 RESPIRATORY DISORDERS

Anatomy and Physiology of the Respiratory System	Ms. Josna Raju	2.00pm -2.30pm
Chronic Obstructive Pulmonary Disease (COPD)	Ms. Josna Raju	2.30pm-3.30pm
Asthma and Allergic Disorders	Ms. Josna Raju	3.30pm-4.30pm

DAY 3: 16/01/2025

MODULE 7 MENTAL HEALTH AND WELL-BEING

Neurobiology of Mental Health	Ms. Josna Raju	8.30am -9.00am
Depression and Anxiety Disorders	Ms. Josna Raju	9.00am-9.30am
Sleep Disorders and Circadian Rhythms	Ms. Josna Raju	9.30am-10.30am

MODULE 8 GASTROINTESTINAL DISORDERS

Anatomy and Physiology of the Digestive System	Ms. Josna Raju	11.00am -11.30am
Gastroesophageal Reflux Disease (GERD) and Peptic Ulcer Disease	Ms. Josna Raju	11.30am-12.30pm
Inflammatory Bowel Disease (IBD) and Irritable Bowel Syndrome (IBS)	Ms. Josna Raju	12.30pm-1.30pm



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MODULE 9 RENAL DISORDERS		
Anatomy and Physiology of the Urinary System	Ms. Jitha K.S.	2.00pm -2.30pm
Chronic Kidney Disease (CKD) and Hypertension	Ms. Jitha K.S.	2.30pm-3.30pm
Urinary Tract Infections (UTIs) and Kidney Stones	Ms. Jitha K.S.	3.30pm-4.30pm

DAY 4: 17/01/2025

MODULE 10 MUSCULOSKELETAL DISORDERS		
Bone Biology and Mineral Homeostasis	Ms. Josna Raju	8.30am -9.00am
Osteoarthritis and Rheumatoid Arthritis	Ms. Josna Raju	9.00am-9.30am
Exercise Physiology and Physical Activity Recommendations	Ms. Josna Raju	9.30am-10.30am

MODULE 11 REPRODUCTIVE HEALTH AND LIFESTYLE FACTORS		
Female Reproductive Physiology	Ms. Josna Raju	11.00am -11.30am
Male Reproductive Health	Ms. Josna Raju	11.30am-12.30pm
Pregnancy and Lifestyle Considerations	Ms. Josna Raju	12.30pm-1.30pm

MODULE 12 AGING AND LONGEVITY		
Physiological Changes with Aging	Ms. Jitha K.S.	2.00pm -2.30pm
Age-Related Diseases and Lifestyle Interventions	Ms. Jitha K.S.	2.30pm-3.30pm
Geriatric Dentistry and Oral Health Considerations	Ms. Jitha K.S.	3.30pm-4.30pm



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POST EVENT REPORT

'Physiology of Lifestyle Disorders' Course conducted at St. Gregorios Dental College from January 14th to January 17th , 2025, was designed to provide participants with a comprehensive understanding of the physiological mechanisms underlying common health conditions influenced by lifestyle factors. Through a series of interactive lectures, discussions, and case studies, attendees gained insights into the complex interplay between lifestyle choices and physiological processes, and explored strategies for prevention and management of lifestyle-related disorders.

The course was attended by the Second Year students of St. Gregorios Dental College. The course delved into the physiology of various lifestyle disorders, including obesity, diabetes, cardiovascular diseases, cancer, respiratory disorders, and mental health conditions. Participants gained a deeper understanding of the underlying mechanisms driving these conditions and their clinical implications. Feedback forms were distributed to participants at the end of the event to gather their thoughts and suggestions. Participants expressed appreciation for the relevance of the course content to their professional practice. Many found the discussions on the physiological mechanisms underlying lifestyle disorders particularly insightful and applicable to their work.



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FEEDBACK FORM

1. Overall Satisfaction:

- Very Satisfied
- Satisfied
- Neutral
- Dissatisfied
- Very Dissatisfied

2. Relevance of Content:

- Highly Relevant
- Relevant
- Somewhat Relevant
- Not Very Relevant
- Not Relevant at All

3. Quality of Presentations:

- Excellent
- Good
- Fair
- Poor
- Very Poor



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4. Effectiveness of Interactive Activities (e.g., Case Studies, Group Discussions):

- Highly Effective
- Effective
- Somewhat Effective
- Not Very Effective
- Not Effective at All

5. Expertise of Presenters:

- Highly Knowledgeable
- Knowledgeable
- Somewhat Knowledgeable
- Not Very Knowledgeable
- Not Knowledgeable at All

6. Networking Opportunities:

- Valuable
- Somewhat Valuable
- Neutral
- Not Very Valuable
- Not Valuable at All



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7. Suggestions for Improvement:

- More Practical Sessions
 - Include Diverse Perspectives
 - Clarify Course Objectives and Expectations
 - Other (Please Specify):
-
-

Additional Comments:

8. Please share any additional comments or suggestions you have about the event.

Participant Information (Optional):

- **Name (Optional):**
- **Email (Optional):**

Thank you for your participation and valuable feedback! Your input will help us enhance future educational offerings. Please return the completed form to Dr. Jitha K.S.



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FEEDBACK ANALYSIS

The response to the course content and delivery was very positive among participants. They highly valued the deeper level of understanding acquired about physiological mechanisms underlying common health conditions that involve a lifestyle contribution. Many indicated that the interactive lectures, discussions, and case studies were particularly enlightening for a good understanding of the complex interplay between lifestyle choices and physiological processes. They further indicated that the course content was highly relevant to professional practice and that they found the discussions on clinical implications of lifestyle-related disorders very applicable. All in all, the feedback reflected high satisfaction with the course in terms of increasing participants' knowledge and awareness of conditions having to do with lifestyle.



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ASSIGNMENT

- 1. Which of the following lifestyle factors is NOT associated with an increased risk of cardiovascular diseases?**
 - a) Physical inactivity
 - b) High dietary fiber intake
 - c) Smoking
 - d) Unhealthy diet high in saturated fats

- 2. Obesity is characterized by:**
 - a) Excessive weight loss
 - b) Low body mass index (BMI)
 - c) Accumulation of excess body fat
 - d) Normal metabolic rate

- 3. Type 2 diabetes mellitus is primarily characterized by:**
 - a) Insulin deficiency
 - b) Autoimmune destruction of pancreatic beta cells
 - c) Insulin resistance
 - d) Hyperglycemia due to excessive insulin secretion

- 4. What is the primary risk factor for the development of chronic obstructive pulmonary disease (COPD)?**
 - a) High dietary cholesterol intake
 - b) Smoking
 - c) Sedentary lifestyle
 - d) Exposure to air pollution

- 5. Which lifestyle factor has been identified as a modifiable risk factor for reducing the incidence of certain types of cancer?**
 - a) Regular physical activity
 - b) Consumption of processed meats
 - c) Exposure to ultraviolet (UV) radiation
 - d) Genetic predisposition



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6. The primary hormone responsible for regulating blood glucose levels in the body is:

- a) Insulin
- b) Glucagon
- c) Cortisol
- d) Thyroxine

7. What is the leading cause of chronic kidney disease (CKD) worldwide?

- a) Hypertension
- b) Diabetes mellitus
- c) Smoking
- d) High dietary sodium intake

8. Which of the following lifestyle factors is associated with a decreased risk of osteoporosis?

- a) Excessive alcohol consumption
- b) Sedentary lifestyle
- c) Inadequate calcium intake
- d) Regular weight-bearing exercise

9. Which of the following statements regarding mental health disorders is true?

- a) Mental health disorders are not influenced by lifestyle factors.
- b) Physical activity has no impact on mental health outcomes.
- c) Chronic stress is associated with an increased risk of depression and anxiety.
- d) Sleep quality does not affect mental well-being.

10. What is a common consequence of gastroesophageal reflux disease (GERD)?

- a) Increased appetite
- b) Esophageal ulcers
- c) Reduced gastric acid production
- d) Improved digestion



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Answer key:


1. b) High dietary fiber intake
2. c) Accumulation of excess body fat
3. c) Insulin resistance
4. b) Smoking
5. a) Regular physical activity
6. a) Insulin
7. b) Diabetes mellitus
8. d) Regular weight-bearing exercise
9. c) Chronic stress is associated with an increased risk of depression and anxiety.
10. b) Esophageal ulcers




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BROCHURE

 ST. GREGORIOS DENTAL COLLEGE,
CHELAD

PHYSIOLOGY OF LIFESTYLE DISORDERS

 DR. PAUL MP

 14.01.2025 - 17.01.2025

 PHYSIOLOGY LECTURE HALL

ORGANISED BY DEPARTMENT OF PHYSIOLOGY



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ATTENDANCE



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UNDER THE MANAGEMENT OF MJSCE TRUST, PUTHENCRUZ
CHELAD, KOTHAMANGALAM, ERNAKULAM DIST, KERALA- 686681

TOPIC: Physiology of life style Diseases
14.01.2025 to 17.01.2025

Sl no.	Name of participant	Day 1	Day 2	Day 3	Day 4
1.	Ann Maria Renjith	Present	Present	Present	Present
2.	Nairvedhya Cijn	Present	Present	Present	Present
3.	Anna Thomas	Present	Present	Present	Present
4.	Popul. R. Mathew	Present	Present	Present	Present
5.	Vaniya Johnson	Present	Present	Present	Present
6.	Alwin Suresh	Present	Present	Present	Present
7.	Anaia Rajendran	Present	Present	Present	Present
8.	Crayathayalee. K	Present	Present	Present	Present
9.	Doosy. Raj. P	Present	Present	Present	Present
10.	Swathi Suresh	Present	Present	Present	Present
11.	Meenakshi P.S	Present	Present	Present	Present
12.	Arya. L	Present	Present	Present	Present
13.	Danish Sha Raju	Present	Present	Present	Present
14.	Joseph John	Present	Present	Present	Present
15.	Darika V.S	Present	Present	Present	Present
16.	Anjali AP	Present	Present	Present	Present
17.	Anakha R	Present	Present	Present	Present
19.	Aceena Anna Aloy	Present	Present	Present	Present
20.	Yashita Masiam Nalakan	Present	Present	Present	Present
21.	Sonathy B	Present	Present	Present	Present
22.	Shini Shaji	Present	Present	Present	Present
23.	Fathima salim	Present	Present	Present	Present
24.	Swathi S Peasad	Present	Present	Present	Present
25.	Aswami. G	Present	Present	Present	Present
26.	Arun V. A	Present	Present	Present	Present



PRINCIPAL	DEU Convenor	DEU Secretary



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CERTIFICATE




**ST. GREGORIOS DENTAL COLLEGE,
CHELAD**

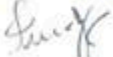
**CERTIFICATE
OF ATTENDANCE**


This certificate is proudly presented to


ANN MARIA RENJITH

has attended a Add On Course Program titled 'PHYSIOLOGY OF LIFESTYLE
DISORDERS' conducted by Department of Physiology
from 14-01-2025 to 13-01-2025


**DR. JAIN MATHEW
PRINCIPAL**


**DR. TINA ELIZABETH JACOB
DEU SECRETARY**


**DR. SAUGANTH PAUL
IQAC COORDINATOR**





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PHOTO



Chelad, Kerala, India
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PRUDENTIA



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PRUDENTIA

Venue: First year classroom, St. Gregorios Dental College

Date/Time: 14.10.2024-17.10.2024

Course Syllabus: Prudentia for Interns

Preamble:

The "prudential- best clinical practices in OMFS" course is designed to equip dental professionals with the fundamental skills and knowledge necessary for the safe and effective performance of tooth extractions and other medical emergency occurring in the dental chair and also the medications. Exodontia is a critical procedure in both routine and complex dental care, requiring not only technical expertise but also a thorough understanding of patient management, anesthesia, and post-operative care. This course provides participants with a comprehensive foundation in the core principles of tooth extraction, medications to be prescribed, patient assessment and diagnosis to the application of various extraction techniques, including simple and surgical extractions. Emphasis enabling participants to gain clinical proficiency and confidence in performing extractions safely and effectively.

Rationale of the course:

This course offers in-depth instruction on local anesthesia, complication management, and patient-centered care. Additionally, ethical and legal considerations, such as informed consent and proper documentation, are integral parts of the curriculum. By completing this course, dental professionals will enhance their competence in exodontia, improving patient outcomes and boosting their confidence in providing high-quality care.

Aim:

The aim is to give the students a comprehensive understanding of essentials of exodontia, medical emergencies in dental office and medications.



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Eligible participants: Interns

Course duration: Total 30 hours

Mode of delivery: Offline

Course coordinator: Dr. Sanjith P Salim

Course faculty: Dr. Alka Mariam Mathew



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14.10.2024

MODULE 1: INTRODUCTION TO OMFS AND SURGICAL PRINCIPLES		
Medical history and risk assesment	Dr. Alka Mariam Mathew	8.30am-9.00am
Patient assessment and preoperative planning	Dr. Alka Mariam Mathew	9.00am-9.30am
Anatomical considerations	Dr. Alka Mariam Mathew	10.00am-11. am

MODULE 2: ANESTHESIA SEDATION AND PAIN MANAGEMENT		
Local anaesthesia techniques	Dr. Alka Mariam Mathew	11.30am-12.30pm
Pain management	Dr. Alka Mariam Mathew	12.30pm-1.00pm
Anaesthesia complications	Dr. Alka Mariam Mathew	1.00pm-1.30pm

15.10.2024

MODULE 3: EXODONTIA AND SIMPLE EXTRACTIONS		
Principles of tooth extraction	Dr. Alka Mariam Mathew	8.30am-9.00am
Complications in exodontia	Dr. Alka Mariam Mathew	9.00am-9.30am
Post-operative care	Dr. Alka Mariam Mathew	10.00am-11. am

16.10.2024

MODULE 4: COMPLEX EXTRACTIONS AND SURGICAL TECHNIQUES		
Surgical extractions	Dr. Bright E C	8.30am-9.00am
Surgical approaches	Dr. Bright E C	9.00am-10.00am
Complication management and post-operative care	Dr. Bright E C	10.00am-11.00am



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17.10.2024

MODULE 5: MANAGEMENT OF MEDICAL EMERGENCIES		
Introduction to medical emergencies in dental chair	Dr. Bright E C	11.00am-12.00pm
Managing common medical emergencies	Dr. Bright E C	12.00pm-1.00pm
Prevention and risk management	Dr. Bright E C	1.00pm-1.30pm

MODULE 6: MEDICATIONS		
Overview of medications in dental practise	Dr. Bright E C	2.30pm-3.00pm
Analgesics and antibiotics	Dr. Bright E C	3.00pm-3.30pm
Hemostatic agents and other medications	Dr. Bright E C	3.30pm-4.30pm



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POST EVENT REPORT

The PRUDENTIA -*Best Clinical Practices in Oral and Maxillofacial Surgery (OMFS)* course, an initiative by AOMSI Kerala state as a part of vicennial celebrations 2024, conducted at St. Gregorios Dental College on 14.10.2024-17.10.2024 successfully provided dental professionals with an in-depth understanding of advanced surgical techniques and essential clinical practices in OMFS. Spanning two days, the course featured expert-led lectures, and interactive case discussions, covering topics such as surgical anatomy, patient assessment, local anesthesia, medical emergencies, medications and extraction techniques. Participants gained valuable skills in managing complex extractions, complications, and fractures, as well as handling medical emergencies that may arise in the dental chair. Practical sessions focused on post-operative care and complication management further enhanced participants' ability to improve patient outcomes and safety. The course concluded with participants demonstrating a deeper understanding of both theoretical concepts and practical skills, ensuring they are better equipped to handle a range of challenges in oral and maxillofacial surgery.. The lecture received positive feedback from the students and other staff members. Students reported increased desire to know more about the advancements in managing cleft lip and palate.



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FEEDBACK FORM

1. Overall Course Evaluation:

How would you rate the overall organization and structure of the course?

- a. Excellent b. Very Good c. Good d. Fair e. Poor

Did the course meet your expectations?

- a. Yes b. No

2. Content and Presentation:

Rate the quality of the lectures and presentations.

- a. Excellent b. Very Good c. Good d. Fair e. Poor

Were the topics covered relevant and beneficial to your learning?

- a. Yes b. No

Were the explanations clear and easy to understand?

- a. Yes b. No

3. Hands-on Sessions:

Rate the effectiveness of the hands-on sessions and practical demonstrations.

- a. Excellent b. Very Good c. Good d. Fair e. Poor

Did the hands-on sessions enhance your understanding and skills in isolation and magnification techniques?

- a. Yes b. No

4. Instructors and Facilitators:

How would you rate the knowledge and expertise of the instructors?

- a. Excellent b. Very Good c. Good d. Fair e. Poor

Were the instructors approachable and responsive to questions?

- a. Yes b. No

5. Course Materials:

Were the course materials (handouts, presentations) helpful in your learning?

- a. Yes b. No

Do you have any suggestions for improving the course materials?



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6. Logistics and Facilities:

How would you rate the logistics and facilities provided during the course?

- a. Excellent b. Very Good c. Good d. Fair e. Poor

Were the venue and equipment suitable for the hands-on sessions?

- a. Yes b. No

7. Suggestions for Improvement:

What aspects of the course did you find most valuable?

Are there any areas of the course that you think could be improved?

Do you have any suggestions for future topics or speakers?

8. Additional Comments:

Please share any additional comments or feedback about your experience in the course.

9. Would you recommend this course to your peers?

- a. Yes b. No

10. Participant Information (Optional):

Name (Optional):

Email (Optional):

Thank you for your participation and valuable feedback! Your input will help us enhance future educational offerings. Please return the completed form to Dr. Sanjith P Salim.



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FEEDBACK ANALYSIS

The feedback was very positive from the participants praising the importance of the event, the structure and networking chances. The attendants found the presentations and sessions interesting as they were thought to improve cooperation as well as information sharing in general. Another idea given was elongation of time frame during sessions so that there could be more detailed discussions while others proposed hiring speakers from different professions. On the whole, it is clear that the feedback has emphasized the success of the event in attaining its goals while offering useful hints to bettering upcoming actions.



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ASSIGNMENT

1. Which of the following is the most common complication following a simple tooth extraction?

- a) Postoperative infection
- b) Excessive bleeding
- c) Dry socket
- d) Fractured root

2. What is the primary goal when using local anesthesia in oral and maxillofacial surgery?

- a) To reduce bleeding during surgery
- b) To provide adequate pain control for the patient
- c) To induce sedation
- d) To prevent infection at the surgical site

3. Which of the following medications is most commonly used for antibiotic prophylaxis in a dental patient with a prosthetic heart valve?

- a) Amoxicillin
- b) Clindamycin
- c) Azithromycin
- d) Metronidazole

4. In the management of impacted third molars, which technique is commonly used to reduce the risk of nerve damage?

- a) Elevation of the tooth without sectioning
- b) Sectioning the tooth and removing in pieces
- c) Use of higher doses of local anesthesia
- d) Use of bone grafting

5. What is the recommended positioning for a patient experiencing syncope (fainting) in the dental chair?

- a) Sit upright in the chair
- b) Recline with the head lower than the chest (Trendelenburg position)
- c) Place in a lateral position
- d) Raise the legs above the head

6. Which of the following is NOT a contraindication for the use of epinephrine in local anesthesia?

- a) Uncontrolled hypertension
- b) History of myocardial infarction
- c) Patient with asthma
- d) Hyperthyroidism



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7. What is the most appropriate management for a patient who experiences an anaphylactic reaction during dental treatment?

- a) Administer antihistamines
- b) Administer epinephrine and maintain airway
- c) Perform CPR
- d) Apply a cold compress

8. What is the primary purpose of using a vasoconstrictor (e.g., epinephrine) with local anesthetics in OMFS procedures?

- a) To increase the potency of the anesthetic
- b) To reduce the risk of infection
- c) To prolong the duration of anesthesia and reduce bleeding
- d) To induce sedation

9. Which of the following surgical instruments is primarily used for the removal of impacted teeth during a surgical extraction?

- a) Elevator
- b) Scalpel
- c) Hemostatic forceps
- d) Periosteal elevator

10. In the context of mandibular fracture management, which of the following is typically used to stabilize the fracture site?

- a) Tooth splinting
- b) External fixation
- c) Internal fixation with plates and screws
- d) Bone grafting

Answer Key :

- 1. c) Dry socket
- 2. b) To provide adequate pain control for the patient
- 3. a) Amoxicillin
- 4. b) Sectioning the tooth and removing in pieces
- 5. b) Recline with the head lower than the chest (Trendelenburg position)
- 6. c) Patient with asthma
- 7. b) Administer epinephrine and maintain airway
- 8. c) To prolong the duration of anesthesia and reduce bleeding
- 9. a) Elevator
- 10. c) Internal fixation with plates and screws



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ATTENDANCE



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UNDER THE MANAGEMENT OF MJSCE TRUST, PUTHENCRUZ

CHELAD, KOTHAMANGALAM, ERNAKULAM DIST, KERALA - 686681

TOPIC: Prudentia' 24 (14.10.2024 to 17.10.2024)

Sl no.	Name of participant	Day 1	Day 2	Day 3	Day 4
1.	LIYA MARIA JOSEPH	Liya	Liya	Liya	Liya
2.	Saunthy VS.	Saunthy	Saunthy	Saunthy	Saunthy
3.	Vyshali Jaiprakash	Vyshali	Vyshali	Vyshali	Vyshali
4.	Divya Mary Philip	Divya	Divya	Divya	Divya
5.	Kareena Rachel Punn	Kareena	Kareena	Kareena	Kareena
6.	Rinku C Rajeev	Rinku	Rinku	Rinku	Rinku
7.	Saunthy Tresa Chelian	Saunthy	Saunthy	Saunthy	Saunthy
8.	Dilna Elizabeth	Dilna	Dilna	Dilna	Dilna
9.	Puthri Nora James	Puthri	Puthri	Puthri	Puthri
10.	Riyana V.H	Riyana	Riyana	Riyana	Riyana
11.	Mishal Ann Mathew	Mishal	Mishal	Mishal	Mishal
12.	Elizabeth Kodiyattil	Elizabeth	Elizabeth	Elizabeth	Elizabeth
13.	Gousei Lakshmi S	Gousei	Gousei	Gousei	Gousei
14.	Anvaya Lizbeth K	Anvaya	Anvaya	Anvaya	Anvaya
15.	Saasanna Johnson	Saasanna	Saasanna	Saasanna	Saasanna
16.	Hansa Mary Eldho	Hansa	Hansa	Hansa	Hansa
17.	Anoopa T.M	Anoopa	Anoopa	Anoopa	Anoopa
18.	S. Mahima Mahendran	Mahima	Mahima	Mahima	Mahima
19.	Siona Rachel Jay	Siona	Siona	Siona	Siona
20.	Chippy Elizabeth Philip	Chippy	Chippy	Chippy	Chippy
21.	George Biju	George	George	George	George
23.	Anya Queersh	Anya	Anya	Anya	Anya
24.	Annelha Anna Pildha	Annelha	Annelha	Annelha	Annelha
25.	Alex Mathew	Alex	Alex	Alex	Alex
26.	Ashley Ado Paulose	Ashley	Ashley	Ashley	Ashley

PRINCIPAL	DEU Convenor	DEU Secretary



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TOPIC: Prudentia'24 (14.10.2024 to 17.10.2024)

Sl no.	Name of participant	Day 1	Day 2	Day 3	Day 4
27	Jeff Jacob Mathew	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
28	Amal A	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
29.	Jose Saji Aravan	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
30.	Maya Abraham	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
31.	marlya Reji	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
32.	Marilya George	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
33.	Alka Lusan Binu	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
34.	Anisha Raichel John	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
35.	Giitta Macken	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
36.	Malavika Neevan Jay	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
37	Elma Saijo.T	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
38	Vidhya.K.S	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
39	Jitry Marom Jacob	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
40	Smithi.Vs	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
41	Angela Susan Jacob	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
42	Dona Davis	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
43.	Mariya Elizabeth Sini	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
44	Surabhi.B.S	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
45	ESHA SAINUDEEN	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
46.	Honey Laya Sajus	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
47	Archel Jose	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
48.	Shruti Saji Nair	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
49.	Ramani	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
50.	Alina.B.Paul	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
51.	Jilbia Seji	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>



<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
PRINCIPAL	DEU Convenor	DEU Secretary



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St. Gregorios Dental College
IN ASSOCIATION WITH


**AOMSI KERALA
PRUDENTIA'24**


BEST CLINICAL PRACTICES IN DMFS

An initiative by AOMSI Kerala State
Branch as part of
Vicennial Celebrations 2024

**14 to 17th
OCTOBER 2024**

CLASS FOR INTERNS


SPEAKER
DR. BRIGHT EC


SPEAKER
DR. ALKA MARIAM MATHEW

Dr. Mohammed Yahiya
President

Dr. Akhilesh Prathap
Secretary



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Long 76.643433°
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Chelad, Kerala, India
4j3v+8v8, Chelad, Kerala 686681, India
Lat 10.103138° Long 76.644789°
15/10/24 09:08 AM GMT +05:30

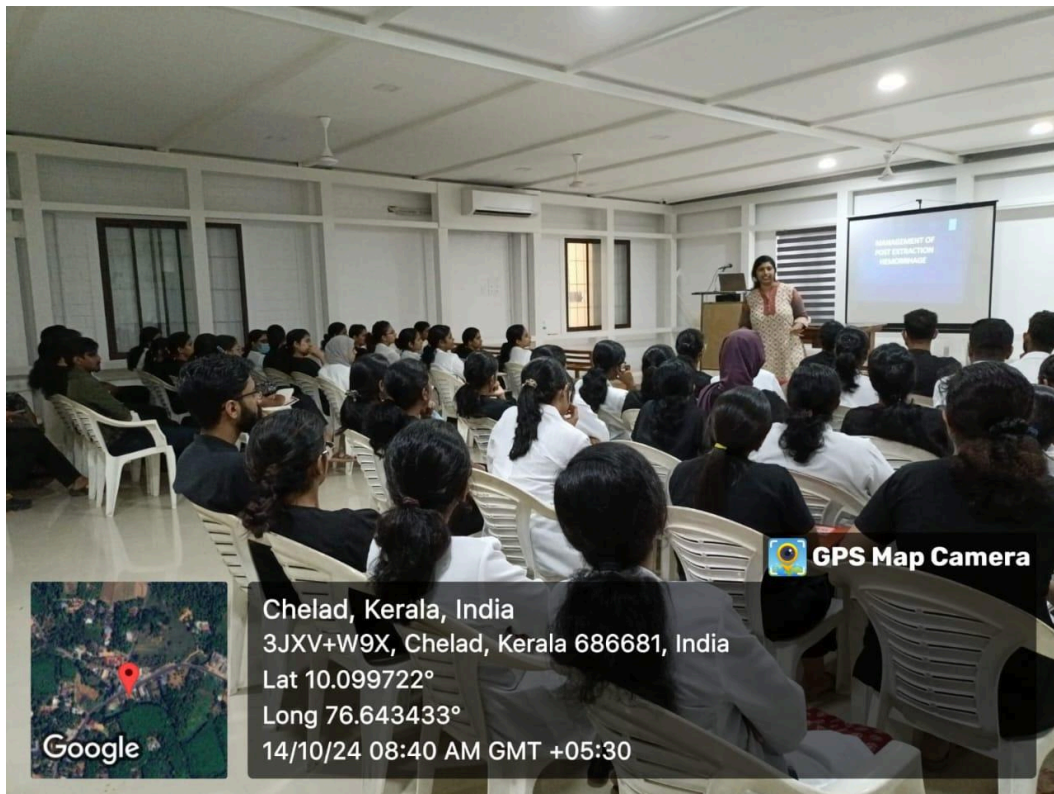


ST. GREGORIOS DENTAL COLLEGE

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CERTIFICATE





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REBASE -2024



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DEPARTMENT OF PROSTHODONTICS

REBASE 24

Venue: college auditorium, St. Gregorios Dental College

Date, Time: 18.10.2024-21.10.2024

Course Syllabus: Rebase for PG

Preamble:

In the field of prosthodontics, the restoration and maintenance of oral function, comfort, and aesthetics are paramount to improving patients' quality of life. Prosthetic devices, including dentures, bridges, and implants, are integral to patients who have lost teeth due to age, trauma, or disease. However, over time, changes in the oral cavity—such as bone resorption, tissue adaptation, and wear—can affect the fit and function of these prostheses.

The **Rebase Programme in Prosthodontics** is designed to address these challenges by providing a systematic, patient-centered approach to rebase or reline existing prosthetic devices, ensuring they continue to meet the evolving needs of the patient. Through this program, we aim to improve the functional longevity of prostheses, optimize patient comfort, and enhance the overall prosthetic experience.

Rationale of the course:

In prosthodontics, the long-term success of dental prostheses—particularly dentures—relies on their ability to adapt to the dynamic changes in the oral environment. As patients age or undergo other health-related changes, the shape and structure of the oral cavity naturally undergoes modifications, including bone resorption, tissue atrophy, and changes in soft tissues. These alterations can negatively impact the fit, comfort, and function of dentures or other removable prostheses, potentially leading to discomfort, poor aesthetics, difficulty in speech or chewing, and a reduction in the overall quality of life for the patient.

Aim :

The primary aim of the **Rebase Programme in Prosthodontics** is to enhance the longevity, function, and comfort of existing prosthetic devices by addressing the natural physiological changes that occur in the oral cavity over time. This programme seeks to provide patients with optimal prosthetic rehabilitation through the rebase or reline of dentures and other removable prostheses to ensure their continued effectiveness and to improve patient satisfaction.



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Eligible participants: PG students

Course duration: Total 30 hours

Mode of delivery: Offline

Course coordinator: Dr.Reshma Raju

Course faculty: Dr. Arun K joy



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18.10.2024

MODULE 1: INTRODUCTION TO TMJ		
Basic Overview	Prof..Dr.Mohan Kumar	8.30am-9.00am
TMJ	Prof..Dr.Mohan Kumar	9.00am-9.30am
TMJ anatomy	Prof..Dr.Mohan Kumar	10.00am-11.am

MODULE 2:CLINICAL EVALUATION		
TMJ Biomechanics	Prof..Dr.Mohan Kumar	11.30am-12.30pm
Clinical Examination	Prof..Dr.Mohan Kumar	12.30pm-1.00pm
Significance	Prof..Dr.Mohan Kumar	1.00pm-1.30pm

MODULE 3:DIAGNOSIS AND TREATMENT PLANNING		
TMJ diagnosis	Prof..Dr.Mohan Kumar	2.00pm-3.00pm
Treatment planning	Prof..Dr.Mohan Kumar	3.00pm-4.00pm
Significance in dental practice	Prof..Dr.Mohan Kumar	4.00pm-4.30pm

19.10.2024

MODULE 4: COMPLETE DENTURE		
Introduction	Prof..Dr.Manju Vijayamohan	8.30am-9.00am
Anatomic Landmarks	Prof..Dr.Manju Vijayamohan	9.00am-10.00am
Impression Techniques	Prof..Dr.Manju Vijayamohan	10.00am-11.00am



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MODULE 5: EVALUATION		
Clinical examination	Prof..Dr.Manju Vijayamohan	11.00am-12.00pm
Management	Prof..Dr.Manju Vijayamohan	12.00pm-1.00pm
Phonetics /Speech considerations in prosthetics	Prof.Dr.Suja Joseph	1.00pm-1.30pm

MODULE 6: TMD		
Introduction	Prof. Dr. Pradeep C Dathan	2.30pm-3.00pm
TMD Disorders	Prof. Dr. Pradeep C Dathan	3.00pm-3.30pm
Management	Prof. Dr. Pradeep C Dathan	3.30pm-4.30pm

20.10.2024

MODULE 7:IMPLANT		
Introduction	Prof.Dr. Prasad A	8.30am-9.00am
Impression materials in implant	Prof.Dr. Prasad A	9.00am-10.00am
Impression techniques	Prof.Dr. Prasad A	10.00am-11.00am

MODULE 8:CLINICAL MANAGEMENT		
Implant placement	Prof.Dr. Prasad A	11.30am-12.30pm
Tissue consideration	Prof.Dr. Prasad A	12.30pm-1.30pm
Occlusal management	Prof.Dr. Prasad A	1.30pm-2.00pm



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MODULE 9: ESTHETICS IN PROSTHODONTICS		
Introduction	Prof.Dr.Annie Susan	2.30pm-3.00pm
Esthetic designing	Prof.Dr.Annie Susan	3.00pm-4.30pm
Treatment planning	Prof.Dr.Annie Susan	4.30pm-5.00pm

21.10.2024

MODULE 10:FACEBOW TRANSFER		
Introduction	Prof.Dr.S.Manoharan	8.30am-9.30am
Management	Prof.Dr.S.Manoharan	9.30am-10.30am
Demo	Prof.Dr.S.Manoharan	10.30am-11.30am

MODULE 11: RPD		
Introduction	Prof.Dr.Shyam Mohan	12.00pm-12.30pm
Impression techniques	Prof.Dr.Shyam Mohan	12.30pm-1.00pm
Management and treatment options	Prof.Dr.Shyam Mohan	1.00pm-1.30pm

MODULE 12:		
Viva Voice	Prof.Dr.Shyam Mohan	2.00pm -3.00pm
Interactive Session	Prof.Dr.Shyam Mohan	3.00pm-4.00pm



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POST EVENT REPORT

The dates 18.10.2024-21.10.2024 was when the event was carried on and it turned out to be great that surpassed the number of people expected. This event led to vibrant discussions and network opportunities.

Esteemed speakers provided insightful presentations on basics of movement, the structures involved, their significance, and more during the event. This prompted audiences into engaging dialogue, with ideas exchanged among them.

Participants had the opportunity to discuss specific areas of interest in depth using interactive workshops and breakout sessions which encouraged collaboration and exchange of information. Examples of interactive lectures, case-based learning as well as demonstration were among the key attractions.

The event went very well because it was well organized to make the participation of everyone successful and free of errors. Participants have given positive responses about the content, organization and networking chances during the occasion



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FEEDBACK FORM

1. Content and Presentation

Rate the quality of the lectures and presentation.

- a. Excellent b. Very Good c. Good d. Fair e. Poor

Were the topics Covered relevant and beneficial to your learning?

- a. Yes b. No

Were the explanations clear and easy to understand?

- a. Yes b. No

2. Hands on session/demonstration

Rate the effectiveness of the hands-on sessions and practical demonstrations.

- a. Excellent b. Very Good c. Good d. Fair e. Poor

3. Instructions and facilitators

How would you rate the knowledge and expertise of the instructors?

- a. Excellent b. Very Good c. Good d. Fair e. Poor

Were the instructors approachable and responsive to questions?

- a. Yes b. No

4. Course Materials:

Were the course materials (handouts, presentations) helpful in your learning?

- a. Yes b. No

Do you have any suggestions for improving the course materials?



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5. Logistics and Facilities:

How would you rate the logistics and facilities provided during the course?

- a. Excellent b. Very Good c. Good d. Fair e. Poor

Were the venue and equipment suitable for the hands-on sessions?

- a. Yes b. No

6. Suggestions for Improvement:

- What aspects of the course did you find most valuable?
- Are there any areas of the course that you think could be improved?
- Do you have any suggestions for future topics or speakers?

7. Additional Comments:

- Please share any additional comments or feedback about your experience in the course.

8. Would you recommend this course to your peers?

- a. Yes b. No

Participant Information (Optional):

- Name (Optional):
- Email (Optional):

Thank you for your participation and valuable feedback! Your input will help us enhance future educational offerings. Please return the completed form to DR.Reshma Raju



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FEEDBACK ANALYSIS

The feedback was very positive from the participants praising the importance of the event, the structure and networking chances. The attendants found the presentations and sessions interesting as they were thought to improve cooperation as well as information sharing in general. Another idea given was elongation of time frame during sessions so that there could be more detailed discussions while others proposed hiring speakers from different professions. On the whole, it is clear that the feedback has emphasized the success of the event in attaining its goals while offering useful hints to bettering upcoming actions.



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ASSIGNMENT

1. Which of the following is the primary goal of prosthodontic rehabilitation?

- a) To restore the aesthetic appearance of the teeth
- b) To restore oral function and comfort
- c) To minimize the use of dental materials
- d) To perform cosmetic procedures only

2. What is the most commonly used material for fabricating complete dentures?

- a) Ceramic
- b) Acrylic resin
- c) Metal alloys
- d) Porcelain

3. Which of the following best describes the role of the dentist in patient-centered care for prosthodontic treatment?

- a) To make all treatment decisions without patient input
- b) To discuss treatment options, listen to patient preferences, and develop a collaborative treatment plan
- c) To limit patient involvement in decision-making to ensure efficient treatment
- d) To only focus on aesthetic outcomes, ignoring patient function and comfort

4. In digital prosthodontics, which technology is most commonly used for creating highly accurate prosthetic designs?

- a) Optical impressions using intraoral scanners
- b) Radiographic imaging
- c) 3D printing of models
- d) Traditional wax-up techniques

5. Which of the following is a common complication associated with poorly fitting dentures?

- a) Increased bone resorption
- b) Improved comfort and function



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- c) Reduced risk of oral infections
- d) Enhanced speech clarity

6. When planning for a fixed partial denture (FPD), which of the following factors is most important to evaluate in the abutment teeth?

- a) The color of the teeth
- b) The strength and condition of the abutment teeth
- c) The number of adjacent teeth
- d) The patient's age

7. Which of the following materials is most commonly used for the fabrication of crowns for posterior teeth?

- a) Resin composite
- b) Porcelain-fused-to-metal
- c) Zirconia
- d) Acrylic resin

8. In which case would implant-supported prostheses be indicated?

- a) In patients with severe periodontal disease and remaining natural teeth
- b) For patients with sufficient bone structure who are missing a single tooth or multiple teeth
- c) For patients with uncontrolled systemic diseases
- d) In patients with removable prostheses that are poorly fitting

9. What is the primary purpose of a rebase procedure for dentures?

- a) To change the shape of the teeth
- b) To add new teeth to a denture
- c) To replace the denture base to improve fit and comfort
- d) To create a new prosthetic from scratch

10. Which of the following innovations in prosthodontics has most improved the accuracy and efficiency of denture fabrication?

- a) Traditional wax-up techniques
- b) Computer-aided design (CAD) and computer-aided manufacturing (CAM)
- c) Cast gold restorations
- d) Direct impressions using alginate



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Answer Key:

1. b) To restore oral function and comfort
2. b) Acrylic resin
3. b) To discuss treatment options, listen to patient preferences, and develop a collaborative treatment plan
4. a) Optical impressions using intraoral scanners
5. a) Increased bone resorption
6. b) The strength and condition of the abutment teeth
7. c) Zirconia
8. b) For patients with sufficient bone structure who are missing a single tooth or multiple teeth
9. c) To replace the denture base to improve fit and comfort
10. b) Computer-aided design (CAD) and computer-aided manufacturing (CAM)



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BROCHURE

 ST. GREGORIOS DENTAL COLLEGE,
CHELAD

REBASE 24

 COLLEGE AUDITORIUM

 18.10.2024-21.10.2024

ORGANISED BY DEPARTMENT OF PROSTHODONTICS



ST. GREGORIOS DENTAL COLLEGE

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ATTENDANCE



ST. GREGORIOS DENTAL COLLEGE, CHELAD

UNDER THE MANAGEMENT OF MJSCE TRUST, PUTHENCRUZ
CHELAD, KOTHAMANGALAM, ERNAKULAM DIST, KERALA - 686681

TOPIC: *Rebase 24*
15.10.2024 to 21.10.2024

Sl no.	Name of participant	Day 1	Day 2	Day 3	Day 4
1.	DR. GREEISHMA . S. PRAVEEN	<i>gpr</i>	<i>gpr</i>	<i>gpr</i>	<i>gpr</i>
2.	DR. Midhun . M	<i>mm</i>	<i>mm</i>	<i>mm</i>	<i>mm</i>
3.	DR STEPHY CULAS STEPHEN	<i>stl</i>	<i>stl</i>	<i>stl</i>	<i>stl</i>
4.	DR. LIZ JAIN J. ALAPATI	<i>lj</i>	<i>lj</i>	<i>lj</i>	<i>lj</i>
5.	Dr. Neethu I. M	<i>nm</i>	<i>nm</i>	<i>nm</i>	<i>nm</i>
6.	Dr. Maneesha . P. K .	<i>mpk</i>	<i>mpk</i>	<i>mpk</i>	<i>mpk</i>
7.	Dr. Geelakekhan . S	<i>gsk</i>	<i>gsk</i>	<i>gsk</i>	<i>gsk</i>
8.	Dr. Aswathy . S	<i>asw</i>	<i>asw</i>	<i>asw</i>	<i>asw</i>
9.	Dr. Nimisha . I. M	<i>nm</i>	<i>nm</i>	<i>nm</i>	<i>nm</i>
10.	DR. Devika Radhep	<i>dr</i>	<i>dr</i>	<i>dr</i>	<i>dr</i>
11.	Dr. Iqa Kapoor	<i>ik</i>	<i>ik</i>	<i>ik</i>	<i>ik</i>
12.	DR . S. SUBASH	<i>ss</i>	<i>ss</i>	<i>ss</i>	<i>ss</i>
13.	Dr. Gaurav	<i>gaurav</i>	<i>gaurav</i>	<i>gaurav</i>	<i>gaurav</i>
14.	DR. NEERAJ PRASAD.	<i>nr</i>	<i>nr</i>	<i>nr</i>	<i>nr</i>
15.	Dr. Siddhant Aggarwal	<i>sa</i>	<i>sa</i>	<i>sa</i>	<i>sa</i>
16.	Dr. Anura . N. S	<i>an</i>	<i>an</i>	<i>an</i>	<i>an</i>
17.	DR. VISWALEKSHMI R.M.	<i>vr</i>	<i>vr</i>	<i>vr</i>	<i>vr</i>
18.	Dr. Gopika . G.	<i>gp</i>	<i>gp</i>	<i>gp</i>	<i>gp</i>
19.	Dr. Sechari . S	<i>sc</i>	<i>sc</i>	<i>sc</i>	<i>sc</i>
20.	DR. AKASH . R	<i>ar</i>	<i>ar</i>	<i>ar</i>	<i>ar</i>
21.	Dr. Ilavarasan Anbazhagan	<i>il</i>	<i>il</i>	<i>il</i>	<i>il</i>
22.	Dr. Shamsam Shalu	<i>ss</i>	<i>ss</i>	<i>ss</i>	<i>ss</i>
23.	Dr. Fareeda P.P	<i>fp</i>	<i>fp</i>	<i>fp</i>	<i>fp</i>
24.	Dr. Menon Bose	<i>mb</i>	<i>mb</i>	<i>mb</i>	<i>mb</i>
25.	Dr. GIRISH HARIKUMAR	<i>gh</i>	<i>gh</i>	<i>gh</i>	<i>gh</i>

PRINCIPAL	DEU Convenor	DEU Secretary



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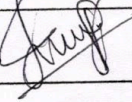
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TOPIC: *Rebase 24*
18.10.2024 to 21.10.2024

Sl no.	Name of participant	Day 1	Day 2	Day 3	Day 4
26.	Dr. Riya Sabu	Riya	Riya	Riya	Riya
27.	Dr. Peeyush P	P	P	P	P
28.	DR BHAGYA J RAJ	B	B	B	B
29.	Dr Sreeba S.B	Sreeba	Sreeba	Sreeba	Sreeba
30.	Dr. Jishnu Rajan	Jishnu	Jishnu	Jishnu	Jishnu
31.	Dr. Ashub K. Somvar	A	A	A	A
32.	Dr. Anoop Leo Jon	Anoop	Anoop	Anoop	Anoop
33.	Dr. Mithun Chandran.	Mithun	Mithun	Mithun	Mithun
34.	Dr. Brijit Paulson	Brijit	Brijit	Brijit	Brijit
35.	Dr. Leshma Anil Thomas	Leshma	Leshma	Leshma	Leshma
36.	Dr. Akshai .CB	Akshai	Akshai	Akshai	Akshai
37.	Dr THATI VISHAK	Vishak	Vishak	Vishak	Vishak
38.	Dr. Sneha Shyam Suresh.	Sneha	Sneha	Sneha	Sneha
39.	Dr. Shila P	Shila	Shila	Shila	Shila
40.	DR. LISA VINCENTI	Lisa	Lisa	Lisa	Lisa
41.	Dr. Naga Aman	Naga	Naga	Naga	Naga
42.	Dr. Prathithi T.N	Prathithi	Prathithi	Prathithi	Prathithi
43.	Dr. Gouri Venugopal.	Gourigan	Gourigan	Gourigan	Gourigan
44.	DR GIOPIKA RENJITH	Gopika	Gopika	Gopika	Gopika
45.	DR DEVIKA UNNI .A.S	Devika	Devika	Devika	Devika
46.	Dr. NIMITHA DAS IS	Nimita	Nimita	Nimita	Nimita
47.	Dr Asha Mathew	Asha	Asha	Asha	Asha
48.	Dr. Ashna T.S	Ashna	Ashna	Ashna	Ashna
49.	Dr Rasna	Rasna	Rasna	Rasna	Rasna
50.	Dr. Nubashiere	Nubashiere	Nubashiere	Nubashiere	Nubashiere

		
PRINCIPAL	DEU Convenor	DEU Secretary



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TOPIC: *Rebase 24*
16.10.2024 to 21.10.2024

Sl no.	Name of participant	Day 1	Day 2	Day 3	Day 4
51.	Dr. Heba K. Somad.	<i>Bunilla</i>	<i>Bunilla</i>	<i>Bunilla</i>	<i>Bunilla</i>
52.	DR ANI ANTONY	<i>Ani</i>	<i>Ani</i>	<i>Ani</i>	<i>Ani</i>
53.	Dr. Vismaya Joy	<i>Vismaya</i>	<i>Vismaya</i>	<i>Vismaya</i>	<i>Vismaya</i>
54.	Dr. Harshini S.	<i>Harshini</i>	<i>Harshini</i>	<i>Harshini</i>	<i>Harshini</i>
55.	Dr. Peter S	<i>Peter</i>	<i>Peter</i>	<i>Peter</i>	<i>Peter</i>
56.	Dr. Rupal I	<i>Rupal</i>	<i>Rupal</i>	<i>Rupal</i>	<i>Rupal</i>
57.	DR. JOBIN JOY.	<i>Jobin</i>	<i>Jobin</i>	<i>Jobin</i>	<i>Jobin</i>
58.	Dr. Anantha Prasad	<i>Anantha</i>	<i>Anantha</i>	<i>Anantha</i>	<i>Anantha</i>
59.	DR P - SNEHA	<i>P Sneha</i>	<i>P Sneha</i>	<i>P Sneha</i>	<i>P Sneha</i>
60.	DR ASWINI SURYA	<i>Aswini</i>	<i>Aswini</i>	<i>Aswini</i>	<i>Aswini</i>
61.	Dr. Sneha Joseph	<i>Sneha</i>	<i>Sneha</i>	<i>Sneha</i>	<i>Sneha</i>
62.	Dr Nikha Ravindran	<i>Nikha</i>	<i>Nikha</i>	<i>Nikha</i>	<i>Nikha</i>
63.	Dr. Nivya Shetty	<i>Nivya</i>	<i>Nivya</i>	<i>Nivya</i>	<i>Nivya</i>
64.	Dr. Kaviya PT	<i>Kaviya</i>	<i>Kaviya</i>	<i>Kaviya</i>	<i>Kaviya</i>
65.	Dr. Shreya Dorraj	<i>Shreya</i>	<i>Shreya</i>	<i>Shreya</i>	<i>Shreya</i>
66.	Dr. VIKNESH SALIL	<i>Viknesh</i>	<i>Viknesh</i>	<i>Viknesh</i>	<i>Viknesh</i>
67.	Dr Sruthy Xavier	<i>Sruthy</i>	<i>Sruthy</i>	<i>Sruthy</i>	<i>Sruthy</i>
68.	Dr. Gokul Kmsboa.	<i>Gokul</i>	<i>Gokul</i>	<i>Gokul</i>	<i>Gokul</i>
69.	DR. URVASHI RA	<i>Urvashi</i>	<i>Urvashi</i>	<i>Urvashi</i>	<i>Urvashi</i>
70.	Dr. Tharsha Salazar	<i>Tharsha</i>	<i>Tharsha</i>	<i>Tharsha</i>	<i>Tharsha</i>
71.	DR. Sruthy Jais Vaghese.	<i>Sruthy</i>	<i>Sruthy</i>	<i>Sruthy</i>	<i>Sruthy</i>
72.	Dr. SHALINI PILLAI	<i>Shalini</i>	<i>Shalini</i>	<i>Shalini</i>	<i>Shalini</i>
73.	Dr. Parvathy S.K	<i>Parvathy</i>	<i>Parvathy</i>	<i>Parvathy</i>	<i>Parvathy</i>
74.	Dr. Rilan Roy	<i>Rilan</i>	<i>Rilan</i>	<i>Rilan</i>	<i>Rilan</i>
75.	Dr. Geopika P. Dinesh.	<i>Geopika</i>	<i>Geopika</i>	<i>Geopika</i>	<i>Geopika</i>

PRINCIPAL	DEU Convenor	DEU Secretary



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CERTIFICATE



**ST. GREGORIOS DENTAL COLLEGE,
CHELAD**

CERTIFICATE OF ATTENDANCE

This certificate is proudly presented to

Dr. Rilan Roy

has attended a Add On Course Program titled 'REBASE'24' conducted by Department of
Prosthodontics from 15.10.2024 to 21.10.2024.

J.M.

**DR.JAIN MATHEW
PRINCIPAL**

Tina Elizabeth Jacob

**DR.TINA ELIZABETH JACOB
DEU SECRETARY**

Sauganth Paul

**DR.SAUGANTH PAUL
IQAC COORDINATOR**



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ROTARY ENDODONTICS



ST. GREGORIOS DENTAL COLLEGE

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ROTARY ENDODONTICS

Venue: St.Gregorios Dental College

Date/time: 10/06/2024 - 13/06/2024

Course syllabus: Rotary Endodontics

Preamble:

Endodontics, the specialty concerned with the diagnosis and treatment of diseases and injuries affecting the dental pulp and periapical tissues, has undergone significant advancements in recent years. Rotary endodontics is a method used in dentistry for performing root canal treatments. Traditionally, root canals were performed manually using stainless steel files. However, rotary endodontics utilizes electrically-powered instruments, which are much more efficient and precise. Advantages of rotary endodontics include faster treatment times, reduced discomfort for the patient, and improved success rates due to more thorough cleaning and shaping of the root canal system.

Rationale of the course:

Through a combination of didactic lectures, hands-on demonstrations, and case-based discussions, this course focuses the importance of rotary endodontics and discover how these essential components can transform our approach to root canal therapy and patient care.

Aim:

This course aims to equip interns with the knowledge and skills necessary to master rotary endodontics

Eligible participants: Final year part 2, Interns and PGs.

Course duration: Total 30 hours

Mode of delivery: Offline mode

Course coordinator: Dr. Robin Theruvil

Course Faculty : Faculties of Department of Conservative Dentistry and Endodontics



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DAY 1: 10/06/2024

MODULE 1: INTRODUCTION TO ROTARY ENDODONTICS		
Overview of traditional vs. rotary endodontics techniques	Dr. Robin Theruvil	9:00am - 10:00am
Historical perspective and evolution of rotary endodontics	Dr. Jain Mathew	10:00am - 10:30am
Advantages and limitations of rotary instrumentation	Dr. Midhun Paul	10:30am – 11:30am

MODULE 2: FUNDAMENTALS OF ROTARY ENDODONTIC INSTRUMENTS		
Types of rotary files: stainless steel vs. nickel-titanium	Dr. Robin Theruvil	12:00 – 12:30pm
Properties of nickel-titanium files	Dr. Robin Theruvil	12:30 – 1:00pm
Understanding file design	Dr. Robin Theruvil	1:00 – 1:30pm
Selection criteria for rotary files	Dr. Robin Theruvil	1:30 – 2:00pm

MODULE 3: ROTARY ENDODONTIC SYSTEMS AND EQUIPMENT		
Components of rotary endodontic systems	Dr. Robin Theruvil	2:30 – 3:00pm
Overview of popular rotary endodontic systems	Dr. Robin Theruvil	3:00 – 4:00pm
Features and capabilities of different endodontic motors	Dr. Robin Theruvil	4:00 – 4:30pm

DAY 2: 11/06/2024

MODULE 4: CLINICAL APPLICATIONS OF ROTARY ENDODONTICS		
Patient selection criteria	Dr. Robin Theruvil	8:00 – 9:00am
Case selection and treatment planning	Dr. Robin Theruvil	9:00 – 10:00am
Step-by-step protocol for rotary root canal preparation	Dr. Midhun Paul	10:00 – 10:30am
Techniques for effective irrigation and disinfection	Dr. Midhun Paul	10:30 – 11:00am



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MODULE 5: ENDODONTIC ANATOMY AND ACCESS PREPARATION

Understanding root canal anatomy	Dr. Robin Theruvil	11:00 – 11:30am
Importance of proper access cavity design	Dr. Robin Theruvil	11:30 – 12:30pm
Strategies for locating and negotiating calcified canals	Dr. Robin Theruvil	12:30 – 1:00pm

MODULE 6: CLEANING AND SHAPING WITH ROTARY INSTRUMENTS

Techniques for glide path creation and canal negotiation	Dr. Robin Theruvil	1:30 – 2:00pm
Principles of canal shaping: crown-down vs. single-length	Dr. Robin Theruvil	2:00 – 3:00pm
Strategies for managing curved canals and isthmuses	Dr. Robin Theruvil	3:00 – 4:00pm

DAY 3: 12/06/2024

MODULE 7: IRRIGATION PROTOCOLS AND TECHNIQUES

Importance of irrigation in root canal disinfection	Dr. Robin Theruvil	8:00 – 9:00am
Selection of irrigating solutions	Dr. Robin Theruvil	9:00 – 10:00am
Delivery methods and activation techniques	Dr. Robin Theruvil	10:00 – 11:00am

MODULE 8: OBTURATION AND RESTORATION

Overview of obturation techniques	Dr. Robin Theruvil	11:00 – 11:30am
Importance of three-dimensional obturation	Dr. Robin Theruvil	11:30 – 12:30pm
Considerations for post-endodontic restoration and coronal seal	Dr. Robin Theruvil	12:30 – 1:00pm

MODULE 9: CLINICAL TIPS, TRICKS AND TROUBLESHOOTING

Common challenges and complications	Dr Jain Mathew	1:30 – 2:30pm
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Strategies for managing instrument separation and ledge formation	Dr Jain Mathew	2:30 – 3:00pm
Tips for enhancing efficiency and safety in rotary instrumentation	Dr Jain Mathew	3:00 – 4:00pm

DAY 4: 13/06/2024

HANDS-ON WORKSHOP FOR PARTICIPANTS TO PRACTICE ROTARY INSTRUMENTATION TECHNIQUES	Dr. Robin Theruvil	8:00 – 1:00PM
Q&A SESSION	Dr. Robin Theruvil	2:00 – 5:00PM



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POST EVENT REPORT

Rotary Endodontics Course conducted at St. Gregorios Dental College from June 10th to June 13th 2024, aimed to provide students with the knowledge, skills, and confidence to effectively and safely perform root canal treatments using rotary instrumentation techniques.

The course was designed to enhance students' understanding of these essential components in endodontic practice, enabling them to deliver high quality patient care and improve treatment outcomes.

The course was attended by the Interns from St. Gregorios Dental College with a keen interest in endodontics and restorative dentistry. Continuous feedback was solicited from participants through interactive sessions and post-event surveys. Faculty members provided individualized feedback to students during practical sessions, focusing on skill development and technique refinement. The Rotary Endodontics Course received positive feedback from participants, who expressed appreciation for the comprehensive curriculum and hands-on learning opportunities. Students reported increased confidence in their ability to apply isolation and magnification techniques in clinical practice, highlighting the practical relevance of the course content.



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FEEDBACK FORM

1. Overall Course Evaluation:

How would you rate the overall organization and structure of the course?

- a. Excellent b. Very Good c. Good d. Fair e. Poor

Did the course meet your expectations?

- a. Yes b. No

2. Content and Presentation:

Rate the quality of the lectures and presentations.

- a. Excellent b. Very Good c. Good d. Fair e. Poor

Were the topics covered relevant and beneficial to your learning?

- a. Yes b. No

Were the explanations clear and easy to understand?

- a. Yes b. No

3. Hands-on Sessions:

Rate the effectiveness of the hands-on sessions and practical demonstrations.

- a. Excellent b. Very Good c. Good d. Fair e. Poor

Did the hands-on sessions enhance your understanding and skills in isolation and magnification techniques?

- a. Yes b. No

4. Instructors and Facilitators:

How would you rate the knowledge and expertise of the instructors?

- a. Excellent b. Very Good c. Good d. Fair e. Poor

Were the instructors approachable and responsive to questions?

- a. Yes b. No

5. Course Materials:

Were the course materials (handouts, presentations) helpful in your learning?

- a. Yes b. No

Do you have any suggestions for improving the course materials?



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6. Logistics and Facilities:

How would you rate the logistics and facilities provided during the course?

- a. Excellent b. Very Good c. Good d. Fair e. Poor

Were the venue and equipment suitable for the hands-on sessions?

- a. Yes b. No

7. Suggestions for Improvement:

What aspects of the course did you find most valuable?

Are there any areas of the course that you think could be improved?

Do you have any suggestions for future topics or speakers?

8. Additional Comments:

Please share any additional comments or feedback about your experience in the course.

9. Would you recommend this course to your peers?

- a. Yes b. No

10. Participant Information (Optional):

Name (Optional):

Email (Optional):

Thank you for your participation and valuable feedback! Your input will help us enhance future educational offerings. Please return the completed form to Dr. Allu Baby



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ASSIGNMENT

- 1. Which of the following statements best describes rotary endodontics?**
 - a) It involves the use of manual files to shape root canals
 - b) It utilizes motorized instruments to efficiently shape root canals
 - c) It focuses on irrigation techniques in root canal treatment
 - d) It primarily involves the use of lasers in endodontic procedures

- 2. What is the primary advantage of using rotary instruments in endodontic treatment?**
 - a) Increased tactile sensitivity
 - b) Reduced risk of instrument separation
 - c) Enhanced ability to negotiate curved canals
 - d) Greater control over apical preparation

- 3. Which type of motion characterizes rotary endodontic instruments?**
 - a) Reciprocating motion
 - b) Linear motion
 - c) Rotary motion
 - d) Vibratory motion

- 4. Which of the following is NOT a common rotary endodontic instrument?**
 - a) K-file
 - b) ProTaper
 - c) WaveOne
 - d) FlexMaster

- 5. What does the term "taper" refer to in rotary endodontics?**
 - a) The length of the root canal
 - b) The flexibility of the instrument
 - c) The diameter of the instrument at the tip
 - d) The degree of tapering at the instrument's tip

- 6. Which of the following factors influences the selection of rotary endodontic instruments?**
 - a) The patient's age
 - b) The location of the tooth in the arch
 - c) The complexity of the root canal system
 - d) The presence of periapical pathology

- 7. In rotary endodontics, what does the term "apical stop" refer to?**
 - a) The point at which the root canal becomes narrower



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- b) The point of maximum root canal curvature
- c) The endpoint of instrumentation at the apex of the root
- d) The final irrigation step in root canal treatment

8. Which of the following techniques is commonly used to verify the working length in rotary endodontics?

- a) Digital radiography
- b) Pulse oximetry
- c) Electronic apex locator
- d) Cold lateral condensation

9. What is the purpose of using lubricants during rotary endodontic procedures?

- a) To disinfect the root canal
- b) To enhance the cutting efficiency of instruments
- c) To decrease the temperature generated during instrumentation
- d) To remove debris and smear layer from the root canal walls

10. What is the recommended speed range for rotary endodontic instruments?

- a) 1000-2000 rpm
- b) 3000-5000 rpm
- c) 6000-8000 rpm
- d) 10,000-12,000 rpm

ANSWER KEY


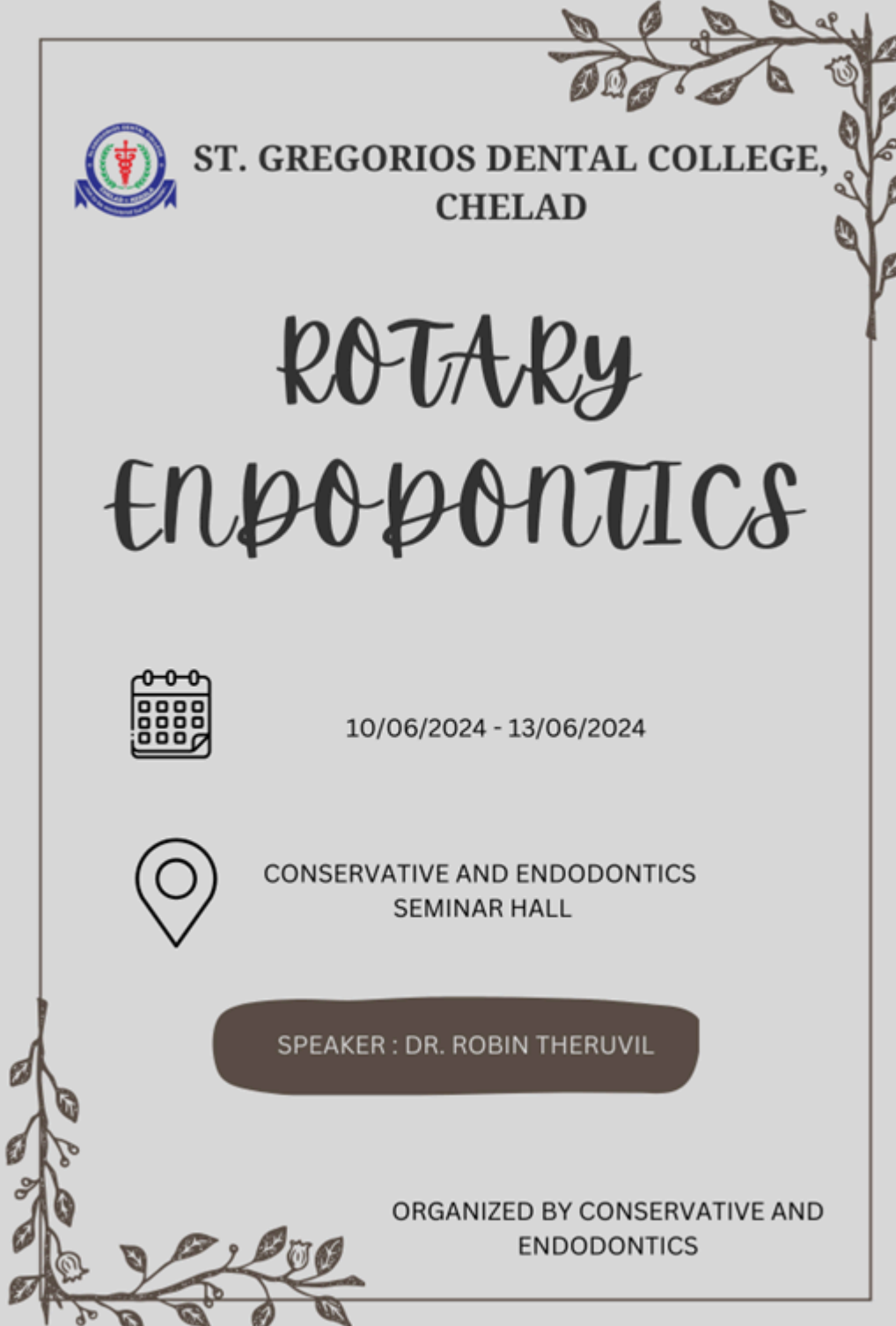
- 1. b) It utilizes motorized instruments to efficiently shape root canals
- 2. b) Reduced risk of instrument separation
- 3. c) Rotary motion
- 4. a) K-file
- 5. d) The degree of tapering at the instrument's tip
- 6. c) The complexity of the root canal system
- 7. c) The endpoint of instrumentation at the apex of the root
- 8. c) Electronic apex locator
- 9. b) To enhance the cutting efficiency of instruments
- 10. c) 6000-8000 rpm



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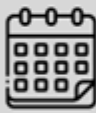
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BROCHURE




ST. GREGORIOS DENTAL COLLEGE,
CHELAD

ROTARY ENDOPONTICS



10/06/2024 - 13/06/2024



CONSERVATIVE AND ENDODONTICS
SEMINAR HALL

SPEAKER : DR. ROBIN THERUVIL

ORGANIZED BY CONSERVATIVE AND
ENDODONTICS



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ATTENDANCE



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UNDER THE MANAGEMENT OF MJSCE TRUST, PUTHENCRUZ

CHELAD, KOTHAMANGALAM, ERNAKULAM DIST, KERALA- 686681

TOPIC: *Rotary Endodontics*
10/6/2024 - 13/6/2024

Sl no.	Name of participant	Day 1	Day 2	Day 3	Day 4
26	Anchel Jose	Anchl	Anchl	Anchl	Anchl
27	Elma Sajjo T.	Elma	Elma	Elma	Elma
28	Arjun D-Memon	Arjun	Arjun	Arjun	Arjun
29	DONAMOL ROY	Donamol	Donamol	Donamol	Donamol
30	Chippy Elizabeth	Chippy	Chippy	Chippy	Chippy
31	Anmol A	Anmol	Anmol	Anmol	Anmol
32	Malavika Meenan	Malavika	Malavika	Malavika	Malavika
33	Aibin Jay	Aibin	Aibin	Aibin	Aibin
34	Mishal Anj Mathew	Mishal	Mishal	Mishal	Mishal
35	Abdul Thomas	Abdul	Abdul	Abdul	Abdul
36	Aishwarya Elizabeth K	Aishwarya	Aishwarya	Aishwarya	Aishwarya
37	Basil	Basil	Basil	Basil	Basil
38	Akshara T.K	Akshara	Akshara	Akshara	Akshara
39	Alka Susan Biju	Alka	Alka	Alka	Alka
40	Annet Maria	Annet	Annet	Annet	Annet
41	Anisha Rachel John	Anisha	Anisha	Anisha	Anisha
42	Anoopa J.M	Anoopa	Anoopa	Anoopa	Anoopa
43	Aparna V. Raj	Aparna	Aparna	Aparna	Aparna
44	Ashley Clelho Paulose	Ashley	Ashley	Ashley	Ashley
45	Anya Cinich	Anya	Anya	Anya	Anya
46	George Biju	George	George	George	George
47	Elizabeth Kadiyattil	Elizabeth	Elizabeth	Elizabeth	Elizabeth
48	Gousri Lakshmi S	Gousri	Gousri	Gousri	Gousri
49	Hanna Mary ELdho	Hanna Mary	Hanna Mary	Hanna Mary	Hanna Mary
50	Jeff Jacob Mathews	Jeff	Jeff	Jeff	Jeff

PRINCIPAL	DEU Convener	DEU Secretary



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TOPIC: *Kotary Endodontics*
10/6/2024 - 13/6/2024

Sl no.	Name of participant	Day 1	Day 2	Day 3	Day 4
1.	Esra Sainufoen	<i>Esra</i>	<i>Esra</i>	<i>Esra</i>	<i>Esra</i>
2.	Pamani	<i>Pamani</i>	<i>Pamani</i>	<i>Pamani</i>	<i>Pamani</i>
3.	Susabhi B.S	<i>Susabhi</i>	<i>Susabhi</i>	<i>Susabhi</i>	<i>Susabhi</i>
4.	Jesay Mariam Jacob	<i>Jesay</i>	<i>Jesay</i>	<i>Jesay</i>	<i>Jesay</i>
5.	Kareena Rachel	<i>Kareena</i>	<i>Kareena</i>	<i>Kareena</i>	<i>Kareena</i>
6.	Dilna Elizabeth	<i>Dilna</i>	<i>Dilna</i>	<i>Dilna</i>	<i>Dilna</i>
7.	Honey Iya Sajar	<i>Honey</i>	<i>Honey</i>	<i>Honey</i>	<i>Honey</i>
8.	Vedhya KS	<i>Vedhya</i>	<i>Vedhya</i>	<i>Vedhya</i>	<i>Vedhya</i>
9.	Shruti Sai Narr	<i>Shruti</i>	<i>Shruti</i>	<i>Shruti</i>	<i>Shruti</i>
10.	Kezuya Manam	<i>Kezuya</i>	<i>Kezuya</i>	<i>Kezuya</i>	<i>Kezuya</i>
11.	Alina. B. Paul	<i>Alina</i>	<i>Alina</i>	<i>Alina</i>	<i>Alina</i>
12.)	Liyana Shibu	<i>Liyana</i>	<i>Liyana</i>	<i>Liyana</i>	<i>Liyana</i>
13.	Dona Davis	<i>Dona</i>	<i>Dona</i>	<i>Dona</i>	<i>Dona</i>
14.	Nakul	<i>Nakul</i>	<i>Nakul</i>	<i>Nakul</i>	<i>Nakul</i>
15.	Puthri	<i>Puthri</i>	<i>Puthri</i>	<i>Puthri</i>	<i>Puthri</i>
16.	Alwin Raja	<i>Alwin</i>	<i>Alwin</i>	<i>Alwin</i>	<i>Alwin</i>
17.	Manya Reji	<i>Manya</i>	<i>Manya</i>	<i>Manya</i>	<i>Manya</i>
18.	Alex Mathew	<i>Alex</i>	<i>Alex</i>	<i>Alex</i>	<i>Alex</i>
19.	Melvin Antony	<i>Melvin</i>	<i>Melvin</i>	<i>Melvin</i>	<i>Melvin</i>
20.	Angele Susan	<i>Angele</i>	<i>Angele</i>	<i>Angele</i>	<i>Angele</i>
21.	Jithin Saj	<i>Jithin</i>	<i>Jithin</i>	<i>Jithin</i>	<i>Jithin</i>
22.	Breeba	<i>Breeba</i>	<i>Breeba</i>	<i>Breeba</i>	<i>Breeba</i>
23.	Maya Marie	<i>Maya</i>	<i>Maya</i>	<i>Maya</i>	<i>Maya</i>
24.	Solomon O.	<i>Solomon</i>	<i>Solomon</i>	<i>Solomon</i>	<i>Solomon</i>
25.	Srethy Treasa	<i>Srethy</i>	<i>Srethy</i>	<i>Srethy</i>	<i>Srethy</i>

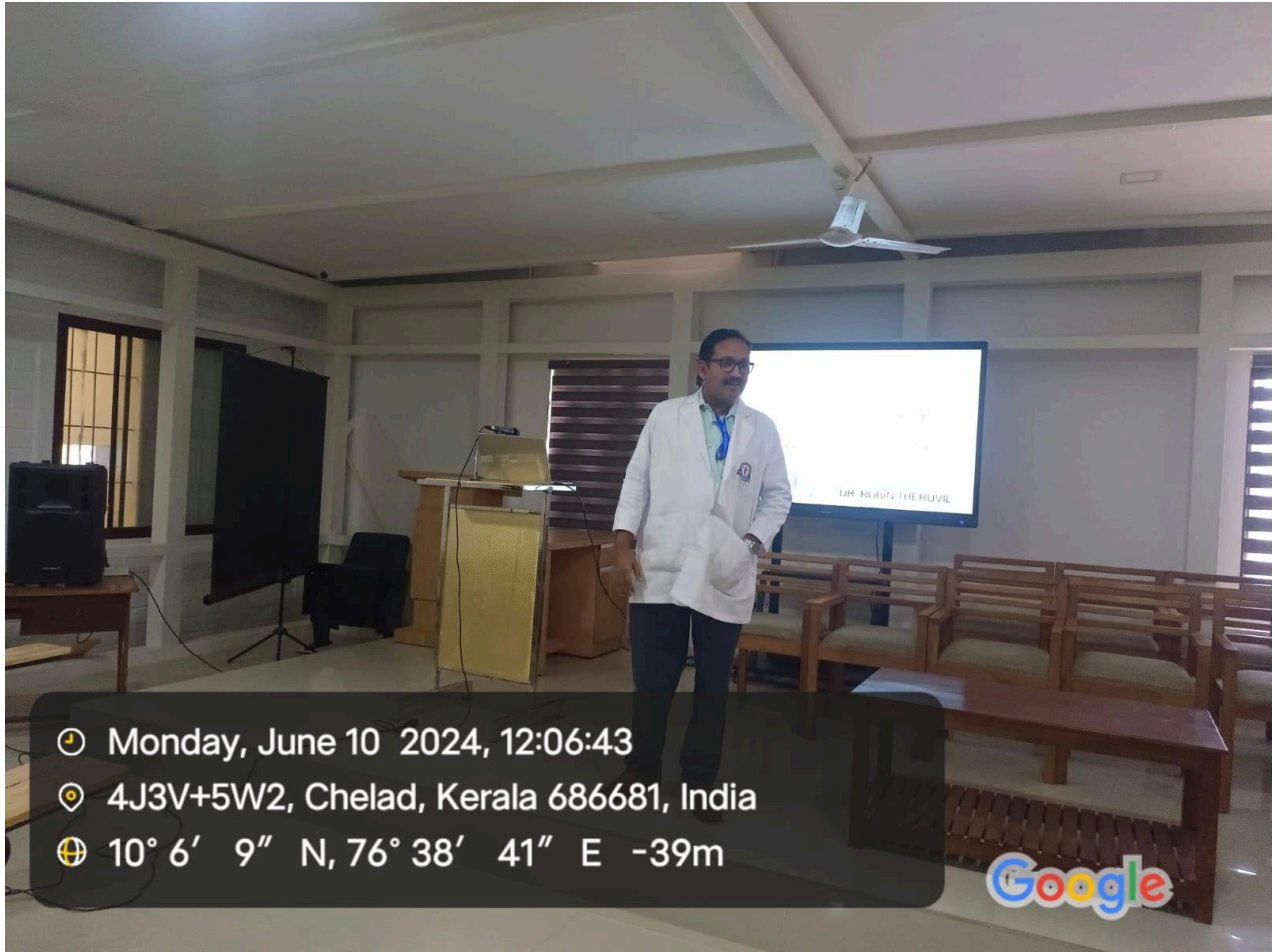
		
PRINCIPAL	DEU Convenor	DEU Secretary



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CERTIFICATE



**ST. GREGORIOS DENTAL COLLEGE,
CHELAD**

CERTIFICATE OF ATTENDANCE

This certificate is proudly presented to

Esha Sainudeen

has attended a Add On Course Program titled 'ROTARY ENDODONTICS'
conducted by Department of Conservative Dentistry & Endodontics

from 10.06.2024 to 13.06.2024

**DR.JAIN MATHEW
PRINCIPAL**

**DR.TINA ELIZABETH JACOB
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EARLY CLINICAL EXPOSURE



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EARLY CLINICAL EXPOSURE

Venue: St. Gregorios Dental College

Date/time: From 18.11.2024

Course syllabus: Early Clinical Exposure for First year BDS Students

Preamble:

In response to the changing needs of first-year BDS students, we are introducing an enriching add-on course designed to complement their academic journey. The course will start with some introductory classes, where an overview of advanced topics in dentistry will be provided to prepare students for specialized areas of study. Thereafter, students will be sent for postings in different dental departments, where they would get hands-on experience under the able and constant guidance of faculty and senior students. This is a groundbreaking step toward growing a well-rounded skill set that is sure to equip students with the necessary expertise and confidence for their future dental practice.

Rationale of the course:

The rationale for running this course has been identified from the vital need to enhance the learning experience of students at the first year of BDS. As they advance further in the Dental course, it will be imperative to expose them to various forms of clinical setups and a large number of specialist areas in dentistry.

Aim:

It aims to expose first year BDS students to a rounded educational experience that amalgamates theoretical learning with practical application in various dental specialties

Eligible participants: First Year students

Course duration: Total 40 hours

Mode of delivery: Offline mode

Course coordinator: Dr. Tina Elizabeth Jacob

Course Faculty: Dr. Anila S. and faculties from various departments



ST. GREGORIOS DENTAL COLLEGE

UNDER THE MANAGEMENT OF MJSCE TRUST, PUTHENCRUZ
CHELAD, KOTHAMANGALAM, ERNAKULAM DIST, KERALA- 686681
(AFFILIATED TO KERALA UNIVERSITY OF HEALTH SCIENCES)

- | | |
|--------------------------|--|
| DAY 1: 18/11/2024 | - Rotatory Clinical Posting [10:00am – 2:00pm] |
| DAY 2: 25/11/2024 | - Rotatory Clinical Posting [10:00am – 2:00pm] |
| DAY 3: 2/12/2024 | - Rotatory Clinical Posting [10:00am – 2:00pm] |
| DAY 4: 9/12/2024 | - Rotatory Clinical Posting [10:00am – 2:00pm] |
| DAY 5: 16/12/2024 | - Rotatory Clinical Posting [10:00am – 2:00pm] |
| DAY 6: 30/12/2024 | - Rotatory Clinical Posting [10:00am – 2:00pm] |
| DAY 7: 06/01/2025 | - Rotatory Clinical Posting [10:00am – 2:00pm] |
| DAY 8: 13/01/2025 | - Rotatory Clinical Posting [10:00am – 2:00pm] |
| DAY 9: 20/01/2025 | - Rotatory Clinical Posting [10:00am – 2:00pm] |



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POST EVENT REPORT

'Early Clinical Exposure' Course conducted at St. Gregorios Dental College from November 18th to January 20th, 2025, was designed to provide BDS first-year students with practical exposure and experience in the various clinical departments within dentistry. It was a well-structured tour to different clinical departments in which the students observed and participated in the care of patients under the supervision of experienced faculty. The course was attended by the first Year students of St. Gregorios Dental College. The program consisted of scheduled visits to different clinical departments. Students saw procedures, interacted with patients, and had faculty guidance. Reflection sessions facilitated discussion and feedback, enriching students' clinical understanding and developing skills in various aspects of dental practice. Students gave good feedback and said it was great to know what the different specialties were like. They said that it was a very valued addition to their clinical competence and confidence in the care of patients.



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FEEDBACK FORM

1. How would you rate your overall experience with the Early Clinical Exposure Program?

- EXCELLENT
- VERY GOOD
- GOOD
- FAIR
- POOR

2. What aspects of the program did you find most valuable?

- Structured Department Visit
- Observation Opportunities
- Faculty Guidance
- Reflection Sessions

3. Were there any specific clinical departments or experiences that stood out to you? If yes, please specify.

4. How did the program contribute to your understanding of clinical dentistry and patient care?

- Increased Understanding of Procedure
- Enhanced Patient Interaction Skills
- Improved Clinical Decision-making abilities



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5. Did the program meet your expectations? Please elaborate.

- Yes
- No

6. Do you have any suggestions for improving future iterations of the Early Clinical Exposure Program?

7. How would you rate the faculty's involvement and guidance during the program?

- EXCELLENT
- VERY GOOD
- GOOD
- FAIR
- POOR

8. Would you recommend the Early Clinical Exposure Program to other students? Why or why not?

- Yes
- No

9. Any additional comments or feedback you would like to provide?

Participant Information (Optional):

- **Name (Optional):**
- **Email (Optional):**

Thank you for your participation and valuable feedback! Your input will help us enhance future educational offerings. Please return the completed form to Dr. Allu Baby.



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FEEDBACK ANALYSIS

Students had positive comments about the program, adding that they gained valuable insight into the different specialties. They said it had enhanced their clinical competencies and confidence in patient care. Among the recommendations were more time to be spent within the departments and more interactive learning.



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ASSIGNMENT

1. What is the purpose of a dental examination?

- A) To perform a cleaning
- B) To diagnose dental issues
- C) To extract teeth
- D) To administer fluoride treatment

2. What is the first step in a dental restoration procedure?

- A) Applying anesthesia
- B) Drilling out decay
- C) Taking dental impressions
- D) Placing the final restoration

3. What is the purpose of dental radiographs (X-rays)?

- A) To clean teeth
- B) To diagnose dental problems not visible to the naked eye
- C) To whiten teeth
- D) To extract teeth

4. What is the correct sequence for a basic dental cleaning?

- A) Scaling, polishing, fluoride treatment
- B) Polishing, scaling, fluoride treatment
- C) Fluoride treatment, scaling, polishing
- D) Polishing, fluoride treatment, scaling

5. What is the purpose of dental anesthesia?

- A) To numb the patient's mouth
- B) To clean teeth
- C) To whiten teeth
- D) To diagnose dental problems

6. What is the purpose of dental prophylaxis?

- A) To extract teeth



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- B) To diagnose dental problems
- C) To remove plaque and tartar buildup
- D) To administer fluoride treatment

7. What is the function of dental floss in oral hygiene?

- A) To brush teeth
- B) To remove plaque and food particles from between teeth
- C) To apply fluoride
- D) To diagnose dental problems

8. Which dental specialty focuses on the treatment of diseases affecting the dental pulp?

- A) Periodontics
- B) Orthodontics
- C) Endodontics
- D) Prosthodontics

9. What is the purpose of a dental sealant?

- A) To whiten teeth
- B) To extract teeth
- C) To prevent tooth decay
- D) To administer fluoride treatment

10. What is the recommended frequency for replacing a toothbrush?

- A) Every 6 months
- B) Once a year
- C) Every 3 months
- D) Only when the bristles become visibly worn



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Answer key:

1. B) To diagnose dental issues
2. B) Drilling out decay
3. B) To diagnose dental problems not visible to the naked eye
4. A) Scaling, polishing, fluoride treatment
5. A) To numb the patient's mouth
6. C) To remove plaque and tartar buildup
7. B) To remove plaque and food particles from between teeth
8. C) Endodontics
9. C) To prevent tooth decay
10. C) Every 3 months



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NAME	OMR	PHD	PROST HO	OMFS	PERIO	CONS	ORTHO	PEDO
1.Abel Cherian Sabu 2.Aleena K Delight 3.Alina Anna 4.Alisha Binu 5.Amala Anna	18.11.24	25.11.24	2.12.24	9.12.24	16.12.24	30.12.24	06.01.24	13.01.25
1.Anagha T U 2.Ananya Maria 3.Anjali Sudhe 4.Anns Maria 5.Ann Theresa	25.11.24	2.12.24	9.12.24	16.12.24	23.12.24	30.12.24	6.01.25	13.01.25
1.Anugraha Anil 2.Anusha K 3.Arselo Shaju 4.Aswin Shaju 5.Babitha M	2.12.24	9.12.24	16.12.24	30.12.24	6.01.25	13.01.25	20.01.25	18.11.24
1.Berlit Joseph 2.Deepika Dileep 3.Dhanya B 4.Elsa Martin 5.Fizana Aneesh	9.12.24	16.12.24	30.12.24	6.01.25	13.01.25	20.01.25	18.11.24	25.11.24
1.Gayathri Rajesh 2.Hima Rajesh 3.Hridhya A S 4.Jadin Anna 5.Jane Kuttivila	16.12.24	23.12.24	30.12.24	6.01.25	13.01.25	20.01.25	18.11.24	25.11.24
1.Jayalakshmi V S 2.Jerry Santhosh 3.Jesna Joy 4.Jesteena Joby 5.Kavya S A	30.12.24	6.01.25	13.01.25	20.01.25	18.11.24	25.11.24	2.12.24	9.12.24
1.Keziya Sara 2.K Navya 3.Kyaren Sara 4.Lena H 5.Maresa Jacob	30.12.24	6.01.25	13.01.25	20.01.25	18.11.24	25.11.24	2.12.24	9.12.24
1.Megha Rose 2.Merona Mary 3.Naja Mol P 4.Niranjana Hari 5.Niya Ann	6.01.25	13.01.25	20.1.25	18.11.24	25.11.24	2.12.24	9.12.24	16.12.24



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1.Noel Thankachan 2.Preethika Suresh 3.Sanjana V S 4.Sara Joshua 5.Seethalakshmi	13.01.25	20.01.25	18.11.24	25.11.24	2.12.24	9.12.24	16.12.24	30.12.24
1.Sneha S 2.Sreya Pramod 3.Swathimol K 4.Theresa Paul 5.Thomas Sebastian	20.01.25	18.11.24	25.11.24	2.12.24	9.12.24	16.12.24	30.12.24	6.01.25



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BROCHURE

 ST. GREGORIOS DENTAL COLLEGE,
CHELAD

EARLY CLINICAL EXPOSURE

SPEAKER : DR. MATHEW M ALANI

 18/11/2024 - 20/01/2025

ORGANISED BY DENTAL EDUCATION UNIT



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PHOTOS

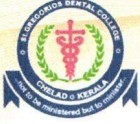




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CERTIFICATE



**ST. GREGORIOS DENTAL COLLEGE,
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CERTIFICATE OF ATTENDANCE

This certificate is proudly presented to

ANNS MARIA THOMAS

has attended a Add On Course Program 'EARLY CLINICAL EXPOSURE' conducted by
Dental Education Unit from 18-11-24 to 20-1-25

**DR. JAIN MATHEW
PRINCIPAL**

**DR. TINA ELIZABETH JACOB
DEU SECRETARY**

**DR. SAUGANTH PAUL
IQAC COORDINATOR**