



# ST.GREGORIOS DENTAL COLLEGE

UNDER THE MANAGEMENT OF MJSCE TRUST, PUTHENCRUZ

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

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## **CLEFT LIP AND CLEFT PALATE**

From  
Convenor  
Dental Education Unit  
St.Gregorios Dental College, Chelad

To  
The Principal  
St.Gregorios Dental College, Chelad

Subject: Request letter for conducting CLEFT LIP AND CLEFT PALATE certificate program  
for Third year students.

Respected Sir,

The Dental Education Unit is planning to conduct an add on course for Third year students on  
'CLEFT LIP AND CLEFT PALATE' on the following dates- 21.10.2021, 23.12.2021 and  
14.02.2022, at the College Auditorium. Details of the program are enclosed here for your  
reference.

Requesting you to kindly give us permission and guide us to conduct the program.

Thanking you,  
Yours sincerely,



Dr. Allu Baby  
Convenor  
Dental Education Unit

**ST. GREGORIOS DENTAL COLLEGE**

**CHELAD, KOTHAMANGALAM**

SGDC/ADD/006/2021

18/09/2021

**CIRCULAR**

Subject: Certificate course on 'Cleft Lip And Cleft Palate' for Third year students.

This is to inform you that an add on course for Third year students is being organised by the Dental Education Unit on the topic entitled 'Cleft Lip And Cleft Palate' on the following dates- 21.10.2021, 23.12.2021 and 14.02.2022, at the College Auditorium.

For further reference reach out to Dr.Allu Baby.



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Chelad, Kerala - 686 621



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## **DENTAL EDUCATION UNIT** **CLEFT LIP AND CLEFT PALATE**

Venue: St.Gregorios Dental College

Date/time: 21.10.2021, 23.12.2021, 14.02.2022

### **Course syllabus:**

Cleft Lip and Cleft Palate.

### **Preamble:**

The course is designed to help gain comprehensive knowledge of cleft lip and cleft palate, two of the most common congenital anomalies of the orofacial region. The dental professional is an integral part of the interdisciplinary team that manages these conditions. This lecture will update the student regarding the etiology, epidemiology, clinical presentation, treatment modalities, and the multidisciplinary approach involved in the care of patients with cleft lip and cleft palate.

### **Rationale of the course:**

Cleft lip and cleft palate are important topics for lectures in dental education because of the high prevalence and serious consequences of such congenital anomalies regarding oral health and overall condition. The aim of this lecture is to provide dental students with profound knowledge and skills of the relevant contribution to interdisciplinary treatment of patients with cleft lip and palate.

### **Aim:**

The objective of teaching the course "Cleft Lip and Cleft Palate" to dental students is to ensure full understanding and skills that may help in the better management of such congenital anomalies. This includes creating awareness about the etiology and clinical presentation, treatment modalities, and the importance of interdisciplinary collaboration in the holistic management of individuals affected by cleft lip and cleft palate.

### **Eligible participants:**

Third year students

**Course duration:** Total 30 hours

**Mode of delivery:** Offline mode

**Course coordinator:** Dr. Tony Micheal

**Course Faculty:** Dr. Kareena Mariam, Dr. Raisa Mariam and Dr. Sanjith Salim



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## COURSE SCHEDULE

### DAY 1: 21.10.2021

<b>MODULE 1 INTRODUCTION TO CLEFT LIP AND CLEFT PALATE</b>		
Embryological Basis	Dr. Kareena Mariam	8.30am -9.00am
Clinical Presentation and Diagnosis	Dr. Kareena Mariam	9.00am-10.00am
Epidemiology and Public Health Considerations	Dr. Kareena Mariam	10.00am-11.00am

<b>MODULE 2 ORAL HEALTH IMPLICATIONS</b>		
Dental Anomalies	Dr. Kareena Mariam	11.30am - 12.30pm
Speech and Language Development	Dr. Kareena Mariam	12.30am-1.30pm
Psychological Impact and Patient Support	Dr. Kareena Mariam	2.30pm-3.30pm

<b>MODULE 3 SURGICAL MANAGEMENT</b>		
Primary Surgical Repair	Dr. Kareena Mariam	3.30pm -4.00pm
Secondary Surgical Procedures	Dr. Kareena Mariam	4.30pm-5.00pm
Orthodontic and Prosthodontic Considerations	Dr. Kareena Mariam	5.00pm-5.30pm

### DAY 2: 23.12.2021

<b>MODULE 4 INTERDISCIPLINARY COLLABORATION</b>		
Multidisciplinary Team Approach	Dr. Raisa Mariam	8.30am -9.00am
Transition of Care	Dr. Raisa Mariam	9.00am-10.00am
Research and Advances in Cleft Care	Dr. Raisa Mariam	10.00am-11.00am



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## MODULE 5 PSYCHOSOCIAL ASPECTS AND PATIENT SUPPORT

Coping Mechanisms and Resilience	Dr. Raisa Mariam	11.30am -12.30pm
Patient Education and Counseling	Dr. Raisa Mariam	12.30am-1.30pm
Social Integration and Peer Relationships	Dr. Raisa Mariam	2.30pm-3.30pm

## MODULE 6 FEEDING AND NUTRITIONAL CONSIDERATIONS

Feeding Difficulties in Infants with Cleft Lip and Palate	Dr. Raisa Mariam	3.30pm -4.00pm
Nutritional Assessment and Management	Dr. Raisa Mariam	4.30pm-5.00pm
Role of Feeding Specialists in Cleft Care	Dr. Raisa Mariam	5.00pm-5.30pm

## DAY 3: 14.02.2022

## MODULE 7 PREOPERATIVE AND POSTOPERATIVE CARE

Preoperative Assessment and Preparation	Dr. Sanjith Salim	8.30am -9.00am
Postoperative Monitoring and Complications	Dr. Sanjith Salim	9.00am-10.00am
Long-term Follow-up and Rehabilitation	Dr. Sanjith Salim	10.00am-11.00am

## MODULE 8 ETHICS AND CULTURAL COMPETENCE

Ethical Considerations in Cleft Care	Dr. Sanjith Salim	11.30am -12.30pm
Cultural Sensitivity and Diversity in Treatment Approaches	Dr. Sanjith Salim	12.30am-1.30pm
Advocacy for Patients with Cleft Lip and Palate	Dr. Sanjith Salim	2.30pm-3.30pm



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<b>MODULE 9 CASE STUDIES AND PROBLEM-SOLVING</b>		
Case-based Learning Scenarios	Dr. Sanjith Salim	3.30pm -4.00pm
Problem-solving Exercises	Dr. Sanjith Salim	4.30pm-5.00pm
Interactive Discussions and Group Presentations	Dr. Sanjith Salim	5.00pm-5.30pm



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## **POST EVENT REPORT**

‘Cleft Lip and Cleft Palate’ Course conducted at St. Gregorios Dental College on 21.10.2021, 23.12.2021 and 14.02.2022, offered a comprehensive exploration of these congenital anomalies, aiming to deepen understanding among healthcare professionals and students. The session covered the multifactorial etiology, including genetic and environmental factors, alongside epidemiological insights. Emphasis was placed on early diagnosis through prenatal screening and postnatal examination, leveraging various diagnostic tools such as imaging and genetic testing. Treatment options, ranging from surgical interventions to speech therapy and psychosocial support, were extensively discussed. The presenter highlighted the importance of a multidisciplinary approach involving surgeons, orthodontists, speech therapists, and psychologists in providing holistic care to individuals with cleft lip and palate. The course was attended by the Third year students of St. Gregorios Dental College. Feedback forms were distributed to participants at the end of the event, which was overwhelmingly positive. The lecture concluded with a call to action for increased awareness and collaboration to enhance the management of these conditions and improve patient outcomes.





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## **FEEDBACK FORM**

### **1. Overall Satisfaction:**

- Extremely Satisfied
- Very Satisfied
- Somewhat Satisfied
- Not Satisfied

### **2. Content Relevance:**

- Highly Relevant
- Relevant
- Somewhat Relevant
- Not Relevant

### **3. Quality of Presentations:**

- Excellent
- Good
- Fair
- Poor

### **4. Organization and Logistics:**

- Excellent
- Good
- Fair
- Poor



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## 5. Faculty Expertise and Interaction:

- Excellent
- Good
- Fair
- Poor

7. **What aspects of the event did you find most beneficial?**

8. **Were there any topics or areas that you felt could have been covered in more detail?**

10. **How would you rate the overall organization and logistics of the event?**

11. **Do you have any suggestions for improving future events or topics you would like to see covered in similar workshops?**

12. **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. Tony Micheal.



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## **FEEDBACK ANALYSIS**

Following the lecture on cleft lip and cleft palate for third-year BDS students, participants expressed gratitude for the informative session. They commended the clarity of explanations regarding the etiology, management, and interdisciplinary approach to treating cleft lip and palate patients. Many found the case studies and practical examples particularly helpful in reinforcing their understanding. Overall, participants felt better equipped to recognize, understand, and contribute to the care of individuals with orofacial clefts in their future dental practice.



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## ASSIGNMENT

- 1. What is the most common type of orofacial cleft?**
  - A) Cleft lip
  - B) Cleft palate
  - C) Cleft lip and palate
  - D) Submucous cleft palate
- 2. Which of the following is NOT a known risk factor for cleft lip and/or palate?**
  - A) Genetics
  - B) Maternal smoking
  - C) Maternal obesity
  - D) Maternal folic acid supplementation
- 3. What is the approximate prevalence of cleft lip and palate worldwide?**
  - A) 1 in 500 births
  - B) 1 in 1000 births
  - C) 1 in 2000 births
  - D) 1 in 5000 births
- 4. Which of the following is NOT typically a component of the multidisciplinary team involved in the management of cleft lip and palate?**
  - A) Oral and maxillofacial surgeon
  - B) Orthodontist
  - C) Pediatrician
  - D) Dermatologist
- 5. At what age is primary repair of cleft lip usually performed?**
  - A) 1-2 months
  - B) 6-9 months
  - C) 12-18 months
  - D) 2-3 years
- 6. Which type of cleft involves a separation of the lip and alveolus, extending into the nostril?**
  - A) Incomplete cleft lip
  - B) Complete cleft lip
  - C) Unilateral cleft lip
  - D) Bilateral cleft lip



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- 7. Which of the following is a potential complication associated with cleft palate?**
  - A) Speech disorders
  - B) Swallowing difficulties
  - C) Ear infections
  - D) All of the above
- 8. Which imaging technique is commonly used for assessing the anatomy of cleft lip and palate?**
  - A) MRI (Magnetic Resonance Imaging)
  - B) CT scan (Computed Tomography)
  - C) Ultrasound
  - D) X-ray
- 9. Which of the following is a primary goal of surgical intervention for cleft lip and palate?**
  - A) Restoration of normal appearance
  - B) Improvement of speech
  - C) Prevention of middle ear infections
  - D) All of the above
- 10. Which vitamin supplementation during pregnancy has been associated with a reduced risk of cleft lip and palate?**
  - A) Vitamin A
  - B) Vitamin D
  - C) Folic acid
  - D) Vitamin C



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## **Answer key:**

1. A) Cleft lip
2. D) Maternal folic acid supplementation
3. A) 1 in 500 births
4. D) Dermatologist
5. B) 6-9 months
6. B) Complete cleft lip
7. D) All of the above
8. B) CT scan (Computed Tomography)
9. D) All of the above
10. C) Folic acid





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## BROCHURE

 **ST. GREGORIOS DENTAL COLLEGE**  
CHELAD

# CLEFT LIP *and* CLEFT PALATE

FOR THIRD YEAR BDS STUDENTS

**RESOURCE PERSONS**  
DR. KAREENA MARIAM  
DR. RAISA MARIAM  
DR. SANJITH

**ADD-ON COURSE**

**21 OCT 2021**  
**8.00 AM- 6.00 PM | 23 DEC 2021 | COLLEGE AUDITORIUM**  
**14 FEB 2021**

**ORGANIZED BY**  
**DENTAL EDUCATION UNIT & DEPT. OF OMFS, PROSTHODONTICS & ORTHODONTICS**

Phone : 0485-2572531, 532, 9188952016, 9188952017

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## CERTIFICATE





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## PHOTOS



PHOTOGRAPH OF ADD-ON COURSE ON CLEFT LIP AND PALATE



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## **EFFICIENT AESTHETIC RESTORATION**

From  
Head of the Department  
Department of Periodontics  
St. Gregorios Dental College, Chelad

To  
The Principal  
St. Gregorios Dental College, Chelad

Subject: Request letter for conducting EFFICIENT AESTHETIC RESTORATION certificate program for interns.

Respected Sir,

We are planning to conduct an add on course for interns on the topic entitled EFFICIENT AESTHETIC RESTORATION in the college auditorium. The first session of the program will be conducted on 26.10.2021 followed by another 3 sessions which will be conducted within the March 3<sup>rd</sup> 2022. Details of the program are enclosed here for your reference. Requesting you to kindly give us permission and guide us to conduct the program.

Thanking you,  
Yours sincerely,



Dr. Anila S  
Head of the Department of Periodontics

**ST. GREGORIOS DENTAL COLLEGE**

**CHELAD, KOTHAMANGALAM**

SGDC/ADD/007/2021

21/10/2021

**CIRCULAR**

Subject: Certificate course on Efficient Aesthetic Restoration for interns.

This is to inform you that an add on course for interns is being organised by the Department of Periodontics on topic entitled Efficient Aesthetic Restoration. The first session will be held on 26.10.2021 in the college auditorium. The following 3 sessions will be held by 3<sup>rd</sup> March 2022.

For further reference reach out to Dr. Anila S

  
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## **DEPARTMENT OF PERIODONTICS** **EFFICIENT AESTHETIC RESTORATION**

Venue: St. Gregorios Dental College

Date/time: 26.10.21 – 3.3.2022

### **Course syllabus:**

Efficient Aesthetic Restoration

### **Preamble:**

This course is about efficient aesthetic restoration in dentistry, for optimal aesthetic outcomes in dental procedures. We blend theory with hands-on practice so that participants can learn how to restore dental aesthetics quickly and at the same time make sure the patient is both comfortable and happy.

### **Rationale of the course:**

This course will take advantage of the increased demand for aesthetics in dental procedures by focusing on efficiency in the delivery of optimal results. With today's competitive dental climate, practitioners must not only deliver an aesthetically pleasing outcome but one that can be managed in a time-efficient manner. Mastery of efficient techniques, using new materials and technology, will ensure that the participant can restore dental aesthetics quickly and accurately. This offers a dual benefit by enhancing patient satisfaction and retention, while maximizing practice productivity and profitability.

### **Aim:**

This course seeks to achieve goals such as knowledge and skills necessary for the restoration of aesthetic appeal in dental procedures efficiently. With a major emphasis on practical techniques and theoretical insight, the course will strive to empower the dentist for the best aesthetic outcome with minimum chair time and maximum satisfaction of the patients. Therefore, the course will seek to enhance the proficiency level of the participants for aesthetic restoration to an extent where they can produce quality results with both effectiveness and efficiency in dental practice.

**Eligible participants:** Interns

**Course duration:** Total 30 hours

**Mode of delivery:** Offline mode

**Course coordinator:** Dr. Anila S

**Course Faculty :** Dr Shaikh Safe Khalid, Dr Annie, Dr Deaby, Dr Joyce



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## COURSE SCHEDULE

**DAY 1: 26/10/2021**

<b>MODULE 1: INRODUCTION TO AESTHETIC DENTISTRY: PRINCIPLES AND CONCEPTS</b>		
Historical Overview	Dr. Shaikh Safe Khalid	8:00am – 9:00am
Importance of Aesthetic Dentistry in Modern Practice	Dr. Shaikh Safe Khalid	9:00am – 10:00am
Key Aesthetic Principles: Harmony, Proportion, and Symmetry	Dr. Shaikh Safe Khalid	10:00am – 11:00am

<b>MODULE 2: PATIENT ASSESSMENT AND TREATMENT PLANNING</b>		
Photography and Digital Imaging in Treatment Planning	Dr. Shaikh Safe Khalid	11:00am – 12:00am
Communication with Patients: Understanding Expectations	Dr. Shaikh Safe Khalid	12:00pm – 12:30pm

<b>MODULE 3: FUNDAMENTALS OF TOOTH PREPARATION FOR AESTHETIC RESTORATIONS</b>		
Tooth Structure Preservation Techniques	Dr. Shaikh Safe Khalid	12:30 – 1:00pm
Minimally Invasive Preparation Designs	Dr. Shaikh Safe Khalid	1:00 – 1:30pm
Adhesive Techniques for Bonding	Dr. Shaikh Safe Khalid	1:30 – 2:00pm

<b>MODULE 4: UNDERSTANDING AESTHETIC MATERIALS</b>		
Composite Resins vs. Ceramics: Pros and Cons	Dr. Shaikh Safe Khalid	2:30 – 3:30pm
Handling and Manipulation Techniques	Dr. Shaikh Safe Khalid	3:30 – 4:30pm



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**DAY 2: 13/12/2021**

<b>MODULE 5: TECHNIQUES FOR ACHIEVING NATURAL LOOKING TOOTH SHADES</b>		
Shade Matching Strategies	Dr. Annie	8:00 – 9:00am
Layering Techniques for Natural Appearance	Dr. Annie	9:00 – 9:30am
Managing Opacity and Translucency	Dr. Annie	9:30 – 10:30am

<b>MODULE 6: DIRECT COMPOSITE RESIN RESTORATIONS</b>		
Layering Techniques for Anterior Restorations	Dr. Annie	10:30am – 11:00pm
Building Morphology and Texture	Dr. Annie	11:00pm – 11:30pm
Sculpting and Finishing Techniques	Dr. Annie	11:30pm – 12:30pm

<b>MODULE 7: INDIRECT RESTORATIONS</b>		
Preparation Guidelines for Indirect Restorations	Dr. Annie	12:30 – 1:00pm
Cementation Protocols	Dr. Annie	1:00 – 1:30pm

<b>MODULE 8: BONDING TECHNIQUES FOR AESTHETIC RESTORATIONS</b>		
Adhesive Systems: Types and Properties	Dr. Annie	2:30 – 3:00pm
Etching and Bonding Protocols	Dr. Annie	3:00 – 3:30pm
Adhesive Repair Techniques	Dr. Annie	3:30 – 4:30pm





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## DAY 3: 27/1/2022

<b>MODULE 9: CONTOURING AND POLISHING</b>		
Finishing Protocols for Direct Restorations	Dr. Deaby	9:00am – 10:00am
Polishing Techniques for Composite	Dr. Deaby	10:00am – 11:00pm
Polishing techniques for Ceramic restorations	Dr. Deaby	11:00pm – 12:00pm
Creating Natural Surface Texture	Dr. Deaby	12:00pm – 1:00pm

<b>MODULE 10: MANAGING GINGIVAL AESTHETICS</b>		
Diagnosis and Treatment Planning for Gingival Aesthetics	Dr. Deaby	1:30pm – 2:30pm
Crown Lengthening Techniques	Dr. Deaby	2:30pm – 3:30pm
Soft Tissue Grafting for Aesthetic Enhancement	Dr. Deaby	3:30 – 4:30pm



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## DAY 4: 03/03/2022

### MODULE 11: AESTHETIC CONSIDERATIONS IN IMPLANT DENTISTRY

Implant Positioning for Aesthetic Outcome	Dr. Joyce	8:30am – 9:00am
Soft Tissue Management around Implants	Dr. Joyce	9:00am – 9:30am
Customizing Implant Restorations for Natural Appearance	Dr. Joyce	9:30am – 10:00am

### MODULE 12: ESTHETIC CHALLENGES IN RESTORING ANTERIOR AND POSTERIOR TEETH

Managing Tooth Proportions and Midline	Dr. Joyce	10:00 – 11:00am
Restoring Function and Aesthetics in Posterior Teeth	Dr. Joyce	10:30 – 11:00am
Addressing Wear and Erosion	Dr. Joyce	11:00 – 11:30am

### MODULE 13: CLINICAL CASE PRESENTATION

Review of Clinical Cases with Aesthetic Restorations	Dr. Joyce	11:30 - 12:00pm
Analysis of Treatment Planning and Execution	Dr. Joyce	12:00 – 12:30pm
Discussion on Clinical Decision-making	Dr. Joyce	12:30 – 1:30pm

### MODULE 14: HANDS ON WORKSHOPS AND DEMONSTRATIONS

Practical Exercises on Tooth Preparation	Dr. Joyce	2:00 – 3:00pm
Hands-on Practice with Composite and Ceramic Restorations	Dr. Joyce	3:00 – 4:00pm



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## **POST EVENT REPORT**

The course entitled “Denture Esthetics” conducted at St. Gregorios Dental College from 26<sup>th</sup> October 2021 to March 3<sup>rd</sup> 2022, aimed to equip interns with comprehensive skills in aesthetic restorations. In a comprehensive curriculum spanning 14 modules, expert presenters gave insights into up-to-date techniques and principles for the achievement of aesthetically optimal results with efficiency. Hands-on workshops honed skills in tooth preparation, composite and ceramic restorations, and polishing, while case presentations in a question-answer mode allowed for in-depth treatment planning strategies. The participants praised the presenters for their expertise and the networking opportunity created, while themselves being quite confident and excited to implement the learned techniques in their practices. The course was attended by interns from St. Gregorios Dental College with a keen interest in getting to know more about aesthetic concerns among denture patients. Continuous feedback was solicited from participants through interactive sessions and post-event surveys. The "Efficient Aesthetic Restorations in Dentistry" class received overwhelmingly positive feedback from participants, reaffirming the need for continued education and skill development in aesthetic dentistry. Certificates of attendance were distributed to participants in recognition of their participation in the course.



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## **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

4. **Instructors and Facilitators:**

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

- Excellent



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- 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?

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?

- Yes
- 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. Anila S



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## **FEEDBACK ANALYSIS**

Participants rated the content, the expertise of presenters, and the hands-on workshops high, specifically stating that the subjects were relevant to practice and that this conference was an avenue for honing one's skills. In particular, the attendees valued the case presentations with an interactive touch and the network opportunities created and further emphasized that collaborative learning and knowledge sharing within the dental community were very important. Suggestions for further improvement, however, were raised by a few participants, such as the inclusion of more interactive case-based discussions and the extension of hands-on workshop sessions to practice more. These suggestions were extremely helpful in fine-tuning future events and thereby enhancing them with greater specificity to the diverse educational requirements and preferences of the participants, ensuring that the success and impact of aesthetic dentistry are continuously propagated.



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## ASSIGNMENT

- 1. Which of the following is NOT a key principle of aesthetic dentistry?**
  - a) Harmony
  - b) Proportion
  - c) Aggression
  - d) Symmetry
- 2. What is the primary goal of efficient aesthetic restorations in dentistry?**
  - a) Maximizing chair time
  - b) Minimizing patient satisfaction
  - c) Achieving optimal aesthetic outcomes
  - d) Reducing practice productivity
- 3. Which material is commonly used for direct composite resin restorations?**
  - a) Gold
  - b) Ceramic
  - c) Composite resin
  - d) Amalgam
- 4. What is the purpose of tooth preparation in aesthetic restorations?**
  - a) To increase tooth sensitivity
  - b) To preserve tooth structure
  - c) To enhance tooth discoloration
  - d) To promote tooth decay
- 5. Which technique is used to achieve natural-looking tooth shades and translucency?**
  - a) Layering techniques
  - b) Heavy-handed application
  - c) Single shade application
  - d) Random color placement
- 6. Which of the following is NOT a type of indirect restoration?**
  - a) Inlay
  - b) Onlay
  - c) Veneer
  - d) Amalgam
- 7. What is the primary purpose of bonding techniques in aesthetic restorations?**
  - a) To weaken the restoration
  - b) To improve retention
  - c) To increase chair time
  - d) To promote decay



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- 8. What is the final step in contouring and polishing for aesthetic restorations?**
  - a) Etching
  - b) Bonding
  - c) Sculpting
  - d) Polishing
- 9. Which procedure is used to manage gingival aesthetics?**
  - a) Root canal treatment
  - b) Crown lengthening
  - c) Teeth whitening
  - d) Tooth extraction
- 10. Aesthetic considerations in implant dentistry primarily focus on:**
  - a) Material selection
  - b) Implant positioning
  - c) Tooth decay prevention
  - d) Patient diet restrictions





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**Answer key:**

- c) Aggression
- c) Achieving optimal aesthetic outcomes
- c) Composite resin
- b) To preserve tooth structure
- a) Layering techniques
- d) Amalgam
- b) To improve retention
- d) Polishing
- b) Crown lengthening
- b) Implant positioning



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## ATTENDANCE LIST



### ST. GREGORIOS DENTAL COLLEGE, CHELAD

UNDER THE MANAGEMENT OF MJSCE TRUST, PUTHENCRUZ

CHELAD, KOTHAMANGALAM, ERNAKULAM DIST, KERALA- 686681

TOPIC: Efficient Aesthetic Restoration.

Sl no.	Name of participant	26/10/21 Day 1	18/12/21 Day 2	27/1/22 Day 3	3/3/22 Day 4
1.	Abima Joy	Abima	Abima	Abima	Abima
2.	Menim George	Menim	Menim	Menim	Menim
3.	Akshay Raj	Akshay	Akshay	Akshay	Akshay
4.	JUSTINE JOSE	Justine	Justine	Justine	Justine
5.	Nandha Prasad	Nandha	Nandha	Nandha	Nandha
6.	NYNU FATHIMA	Nynu	Nynu	Nynu	Nynu
7.	Sancy Vincent	Sancy	Sancy	Sancy	Sancy
8.	Kunnu Rose Antony	Kunnu	Kunnu	Kunnu	Kunnu
9.	Jyoti Sanku Prakash	Jyoti	Jyoti	Jyoti	Jyoti
10.	Poraise Jose	Poraise	Poraise	Poraise	Poraise
11.	SHILPA THOMAS	Shilpa	Shilpa	Shilpa	Shilpa
12.	Alias Biju	Alias	Alias	Alias	Alias
13.	Aiswarya Narayanan	Aiswarya	Aiswarya	Aiswarya	Aiswarya
14.	Sarin Anna Ejar	Sarin	Sarin	Sarin	Sarin
15.	Anna Mary Saji	Anna	Anna	Anna	Anna
16.	Prayuthi P	Prayuthi	Prayuthi	Prayuthi	Prayuthi
17.	Raghav Ravi	Raghav	Raghav	Raghav	Raghav
18.	Praya Haridas	Praya	Praya	Praya	Praya
19.	AKSHAYA K NATH	Akshaya	Akshaya	Akshaya	Akshaya
20.	Rishu Shree	Rishu	Rishu	Rishu	Rishu
21.	MINNA HARINA JOSE	Minna	Minna	Minna	Minna
22.	Arin May Jose	Arin	Arin	Arin	Arin
23.	Rose Maria Jomon	Rose	Rose	Rose	Rose
24.	Sangeetha Sasikumar	Sangeetha	Sangeetha	Sangeetha	Sangeetha
25.	Maya Das	Maya	Maya	Maya	Maya

PRINCIPAL	DEU Convener	DEU Secretary



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TOPIC: Efficient Aesthetic Restoration.

Sl no.	Name of participant	26/10/21 Day 1	18/12/21 Day 2	27/1/22 Day 3	5/3/22 Day 4
26	Linda Maria Jose	Linda	Linda	Linda	Linda
27	Ann Mary Paul	Ann	Ann	Ann	Ann
28	Basel Jose	Basel	Basel	Basel	Basel
29	Sneha Antony	Sneha	Sneha	Sneha	Sneha
30	NANDU .P	Nandu	Nandu	Nandu	Nandu
31	Fazana Muhammed	Fazana	Fazana	Fazana	Fazana
32	Azmiid M	Azmi	Azmi	Azmi	Azmi
33	Preelakshmi M.S	Preelakshmi	Preelakshmi	Preelakshmi	Preelakshmi
34	Richa K.C	Richa	Richa	Richa	Richa
35	Sweety Maria	Sweety	Sweety	Sweety	Sweety
36	Messi Varghese	Messi	Messi	Messi	Messi
37	Irene Thomas	Irene	Irene	Irene	Irene

PRINCIPAL	DEU Convenor	DEU Secretary



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## BROCHURE



**ST. GREGORIOS DENTAL  
COLLEGE, CHELAD**

## **EFFICIENT AESTHETIC RESTORATION**

ADD-ON COURSE FOR INTERNS

### RESOURCE PERSONS

1 DR. SHAIKH SAFE KHALID

2 DR. ANNIE

3 DR. DEABY

4 DR. JOYCE



**COLLEGE AUDITORIUM**



**8.00 AM - 4.00 PM**



**26 OCT 2021  
13 DEC 2021  
27 JAN 2022  
03 MAR 2022**

**ORGANIZED BY**

**DEPT. OF PERIODONTICS & IMPLANTOLOGY & DEU**

Phone : 0485-2572531, 532, 9188952016, 9188952017

Email : [sgdc@rediffmail.com](mailto:sgdc@rediffmail.com), Web : [sgdc.ac.in](http://sgdc.ac.in)



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## CERTIFICATE





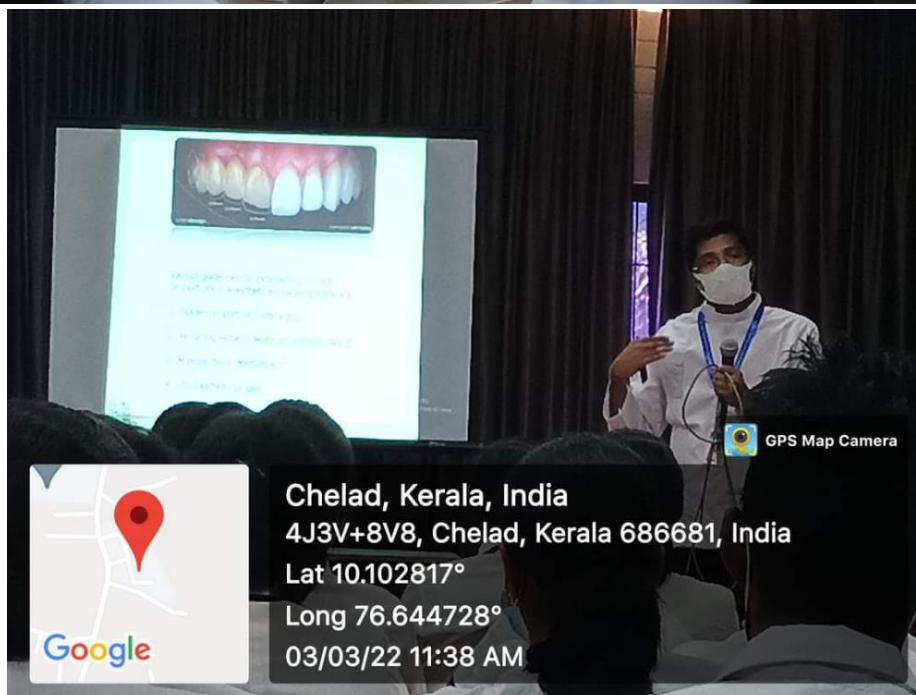
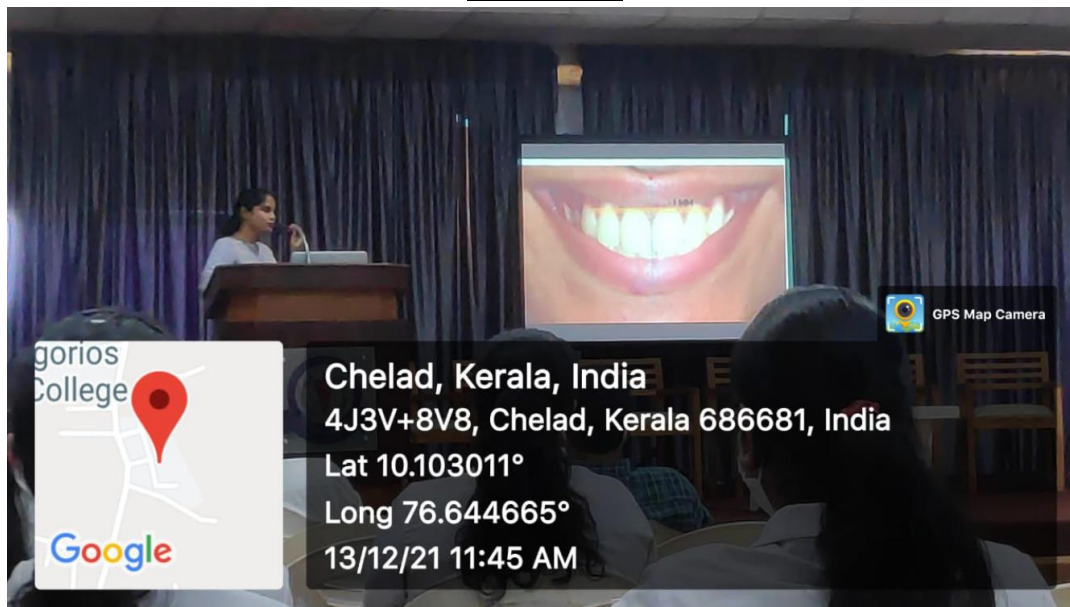
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## PHOTOS



PHOTOS OF ADD ON COURSE ENTITLED  
“EFFICIENT ESTHETIC RESTORATION”



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## **TRAMPOLIM' DECODING OF CANINE IMPACTION**

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Phone: 0485-2572531, 532, 9188952016, 9188952017

Email: [sgdc@rediffmail.com](mailto:sgdc@rediffmail.com), Web: [sgdc.ac.in](http://sgdc.ac.in)

From

Head of the Department

Department of Orthodontics and Dentofacial Orthopaedics

St. Gregorios Dental College, Chelad

To

The Principal

St. Gregorios Dental College, Chelad

Subject: Request Letter for conducting Add on program 'TRAMPOLIM' DECODONG OF CANINE IMPACTION' for post graduate students

Respected Sir,

We are planning to conduct an Add on program titled 'TRAMPOLIM' DECODONG OF CANINE IMPACTION' for post graduate students of Ortho department at the department seminar hall on 1- November, 2021- 4- November, 2021

Thanking You,

Yours sincerely,

  
Dr. Binnoy Kurian

Head of the Department

Department of Orthodontics and Dentofacial Orthopaedics



**ST. GREGORIOS DENTAL COLLEGE**

**CHELAD, KOTHAMANGALAM**

SGDC/ADD/008/2021

27/10/2021

**CIRCULAR**

Subject: Add on Course on TRAMPOLIM' Decoding Of Canine Impaction for Ortho PG students

This is to inform you that an add on course for the post graduate students of the Department of Orthodontics and Dentofacial Orthopaedics is being organized by the concerned department on the topic entitled TRAMPOLIM' decoding of canine Impaction from 1.11.2021-4.11.2021 at the department seminar hall.

For further reference, reach out to Dr. Binnoy Kurian.



**PRINCIPAL**

PRINCIPAL  
St. Gregorios Dental College  
Chelad, Kerala - 686 681



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## DEPARTMENT OF ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS

### TRAMPOLIM' DECODING OF CANINE IMPACTION

Venue: Department Seminar Hall, St. Gregorios Dental College

Date/Time: 1.11.2021-4.11.2021

#### **Course Syllabus:**

Trampoline' Decoding of Canine Impaction for PG students of Orthodontic Department

#### **Preamble:**

The field of dentistry is continually changing case advancements in technology and innovative diagnosis and treatment approaches. Orthodontic treatments are numerous complexes and clinically important problem which includes controlling the position of impacted canines. It is not just functional and aesthetic anxiety that occurs because of dog impaction but also requires appropriate diagnosis and treatment planning in order for patients to obtain good results. The following course is offered to cater for the need for advanced education in this field. The course is a ground breaking initiative that seeks to combine trampoline decoding skills with conventional methods of diagnosis.

#### **Rationale of the course:**

The "Trampoline Decoding of Canine Impaction" course fills a vital gap by providing specialized training for diagnosing and treating impacted canines. It focuses on improving accuracy and efficiency in the management of impacted canines by combining traditional diagnostic procedures with new trampoline decoding methods. Consequently, this program will enable trainees to improve their diagnostic acumen as well as learn about new trends in treatment of canines with impacted teeth. This dental process bridges the educational gap empowering them in locating the compound problems in order to better heal them while at the same elevating patients' results and promoting good practices in dentistry.

#### **Aim:**

The course intends to boost precision and efficiency in managing canine impaction by melding trampoline decoding techniques with conventional diagnostic methods. As a result of an in-depth curriculum, hands on experience and interactive discussions involving different experts' views, participants shall improve their diagnostic skills and embrace solutions that are not



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entirely treated in books or researched. In the long run, however, what it does wish for is that with reference to intricacies involved in” “the functioning process” helped by technological advancements or “new directives” aimed at giving “comprehension” concerning subject matter; this might lead both to better patient outcomes and improvement of dental care quality.

**Eligible participants:** Post graduate students of the Department of Orthodontics and Dentofacial Orthopaedics

**Course duration:** Total 30 hours

**Mode of delivery:** Offline

**Course coordinator:** Dr. Binnoy Kurian

**Course faculty:** Dr. P. G. Francis



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## COURSE SCHEDULE

01.11.2021

<b>MODULE 1: UNDERSTANDING CANINE IMPACTION</b>		
Definition and Classification	Dr. Binnoy Kurian	8.30am-9.00am
Anatomy and Etiology	Dr. Binnoy Kurian	9.00am-9.30am
Clinical Manifestations	Dr. Binnoy Kurian	10.00am-11.am

<b>MODULE 2: DIAGNOSTIC TECHNIQUES</b>		
Radiographic Assessment	Dr. P. G. Francis	11.30am-12.30pm
Clinical Examination	Dr. P. G. Francis	12.30pm-1.00pm
Three-Dimensional Imaging	Dr. P. G. Francis	1.00pm-1.30pm

<b>MODULE 3: INTRODUCTION TO TRAMPOLIM DECODING</b>		
Principles and Concept	Dr. P. G. Francis	2.00pm-3.00pm
Utility in Dental Diagnosis	Dr. P. G. Francis	3.00pm-4.00pm
Case Studies	Dr. P. G. Francis	4.00pm-4.30pm



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**02.11.2021**

<b>MODULE 4: TRAMPOLIM DECODING IN CANINE IMPACTION</b>		
Interpretation of Radiographs	Dr. P. G. Francis	8.30am-9.00am
Identifying Impacted Canines	Dr. P. G. Francis	9.00am-10.00am
Differentiating Types of Impactions	Dr. P. G. Francis	10.00am-11.00am

<b>MODULE 5: TREATMENT MODALITIES</b>		
Surgical Approaches	Dr. P. G. Francis	11.00am-12.00pm
Orthodontic Considerations	Dr. P. G. Francis	12.00pm-1.00pm
Complication Management	Dr. P. G. Francis	1.00pm-1.30pm

<b>MODULE 6: INTERDISCIPLINARY COLLABORATION</b>		
Periodontal Perspective	Dr. P. G. Francis	2.30pm-3.00pm
Orthognathic Surgery Integration	Dr. P. G. Francis	3.00pm-3.30pm
Prosthetic Rehabilitation	Dr. P. G. Francis	3.30pm-4.30pm



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**03.11.2021**

<b>MODULE 7: Advanced Imaging Techniques</b>		
Cone Beam Computed Tomography (CBCT)	Dr. P. G. Francis	8.30am-9.00am
Magnetic Resonance Imaging (MRI)	Dr. P. G. Francis	9.00am-10.00am
Ultrasonography in Canine Impaction Evaluation	Dr. P. G. Francis	10.00am-11.00am

<b>MODULE 8: Surgical Exposure and Bonding Techniques</b>		
Flap Design and Soft Tissue Management	Dr. P. G. Francis	11.30am-12.30pm
Bonding Procedures for Impacted Canines	Dr. P. G. Francis	12.30pm-1.30pm
Complications and Management Strategies	Dr. P. G. Francis	1.30pm-2.00pm

<b>MODULE 9: Orthodontic Considerations and Techniques</b>		
Orthodontic Mechanics for Canine Alignment	Dr. P. G. Francis	2.30pm-3.00pm
Temporary Anchorage Devices (TADs)	Dr. P. G. Francis	3.00pm-4.30pm
Esthetic Considerations in Orthodontic Treatment	Dr. P. G. Francis	4.30pm-5.00pm



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**04.11.2021**

<b>MODULE 10: Emerging Trends and Research in Canine Impaction</b>		
Novel Treatment Approaches	Dr. Binnoy Kurian	8.30am-9.30am
Current Research Findings	Dr. Binnoy Kurian	9.30am-10.30am
Future Directions in Canine Impaction Management	Dr. Binnoy Kurian	10.30am-11.30am

<b>MODULE 11: Case-Based Learning</b>		
Analysis of Clinical Scenarios	Dr. P. G. Francis	12.00pm-12.30pm
Treatment Planning Exercises	Dr. P. G. Francis	12.30pm-1.00pm
Multidisciplinary Approach	Dr. P. G. Francis	1.00pm-1.30pm

<b>MODULE 12: Practical Application</b>		
Hands-on Workshop	Dr. P. G. Francis	2.00pm -3.00pm
Trapolim Decoding Simulation	Dr. P. G. Francis	3.00pm-4.00pm
Surgical and Orthodontic Techniques	Dr. P. G. Francis	4.00pm-5.00pm



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## **POST EVENT REPORT**

The "Trapolim Decoding of Canine Impaction" seminar was organized at the seminar hall of the Orthodontic Department between 01.11.2021 and 04.11. 2021. Its main goal was to furnish dentists with sophisticated understanding as well as methods of treating teeth that are stuck inside bones by including new ideas of trapolim decoding.

The participants valued the sessions' interactive approach involving case studies and practical workshops that increased the quality of their learning. According to the feedback, the significance of relevant content in clinical practice is seen alongside the importance of application in simulated situations. The faculty's competence and standards in presentation were appreciated by the audience and thus rated the course very high. The professional development and the advancement of dental care standards in managing impacted canines would not have been the same without "Trapolim Decoding of Canine Impaction" course success.





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## **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 session/demonstration**

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

- Excellent
- Very Good
- Good
- Fair
- Poor



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## 4. Instructions 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?
- 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.



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**9. Would you recommend this course to your peers?**

- Yes
- 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. Abraham George



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## **FEEDBACK ANALYSIS**

Students provided feedback after completing the training course “Investigation Decade Trachea Dissection”, indicating that the course’s quality level was very high. All of them showed that the topics were relevant, lecturers were well prepared and all classes were interactive enough. It was noted that the remotely controlled canine model gave a real experimental basis for lectures on decoding tracheal shortcuts, which made use of practical tracheotomies easier to bear by both the students of medicine as well as veterinarians. The importance of case studies and problem-solving sessions in consolidating learning objectives. The dynamic learning environment was maintained by the constant appreciation of faculty expertise and engaging presentation.



# ST. GREGORIOS DENTAL COLLEGE

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

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## ASSIGNMENT

- 1. Trampoline decoding is a trick, as it is mostly utilized for:**
  - a. Orthodontic treatment planning
  - b. Surgical exposure of impacted canines
  - c. Enhancing diagnostic accuracy
  - d. Root canal therapy
- 2. Which imaging modality is commonly employed for trampoline decoding in canine impaction cases?**
  - a. Panoramic radiography
  - b. Periapical radiography
  - c. Cone beam computed tomography (CBCT)
  - d. Magnetic resonance imaging (MRI)
- 3. What does trampoline decoding analyses?**
  - a. Soft tissue lesions
  - b. Dental pulp vitality
  - c. Root morphology and angulation
  - d. Alveolar bone density
- 4. Canine impaction requires assistance from a decoding algorithm**
  - a. Identifying canine eruption pathway
  - b. Assessing periodontal attachment
  - c. Evaluating occlusal discrepancies
  - d. Measuring tooth mobility
- 5. What is the primary advantage of using trampoline decoding in canine impaction diagnosis?**
  - a. Reduced radiation exposure
  - b. Enhanced visualization of soft tissues
  - c. Improved accuracy and precision
  - d. Faster processing time
- 6. Trampoline decoding algorithms are helpful in.**
  - a. Estimating tooth mobility
  - b. Predicting root resorption
  - c. Differentiating types of impactions
  - d. Assessing caries progression
- 7. What's the main question all patients are concerned about when it comes to their canine impaction diagnosis using a trampoline?**
  - a. Pulpal health assessment
  - b. Surgical technique selection
  - c. Radiographic interpretation
  - d. Patient symptomatology evaluation



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- 8. Particularly of utility in these scenarios are trampoline decoding techniques:**
  - a. Supernumerary teeth
  - b. Maxillary central incisor impaction
  - c. Bilateral canine impaction
  - d. Premolar agenesis
- 9. In cases of canine impaction, how does the trampoline technique help in treatment planning?**
  - a. By determining gingival health status
  - b. By identifying potential complications
  - c. By predicting eruption timing
  - d. By assessing lip competence
- 10. What in the trampoline's decoding process does not belong to the canine impaction?**
  - a. Assessing root proximity to adjacent structures
  - b. Evaluating pulp chamber morphology
  - c. Analyzing crown morphology
  - d. Determining the presence of pathology



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## **Answer key:**

1. c) Enhancing diagnostic accuracy
2. c) Cone beam computed tomography (CBCT)
3. c) Root morphology and angulation
4. a) Identifying canine eruption pathway
5. c) Improved accuracy and precision
6. c) Differentiating types of impactions
7. c) Radiographic interpretation
8. c) Bilateral canine impaction
9. b) By identifying potential complications
10. c) Analyzing crown morphology



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## ATTENDANCE LIST



ST. GREGORIOS DENTAL COLLEGE, CHELAD

UNDER THE MANAGEMENT OF MJSCE TRUST, PUTHENCRUZ

CHELAD, KOTHAMANGALAM, ERNAKULAM DIST, KERALA- 686681

TOPIC: TRAMPOLIM - Decoding of Canine Impaction

1/11/21 2/11/21 3/11/21 4/11/21

Sl no.	Name of participant	Day 1	Day 2	Day 3	Day 4
1.	Dr. Jishnu Swaraman	Swam	Swam	Swam	Swam
2.	Dr. Kancere Kallal	Kal	Kal	Kal	Kal
3.	Dr. Jose Nithyan	Nithyan	Nithyan	Nithyan	Nithyan
4.	Dr. Jayasree	Jays	Jays	Jays	Jays
5.	Dr. Aparna Arund	Apar	Apar	Apar	Apar
6.	Dr. SHEETAL SARA	Shee	Shee	Shee	Shee
7.	Dr. Sneha U.P	Snee	Snee	Snee	Snee
8.	Dr. Sujin	Sujin	Sujin	Sujin	Sujin
9.	Dr. Kishu	Kish	Kish	Kish	Kish

PRINCIPAL	DEU Convenor	DEU Secretary







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## BROCHURE



### ST. GREGORIOS DENTAL COLLEGE CHELAD



**ADD-ON COURSE**



**SPEAKER**  
**DR. P G FRANCIS**

## TRAMPOLINE; DECODING OF CANINE IMPACTION

FOR POST GRADUATES - ORTHODONTICS

**ORGANIZED BY**  
DEPT. OF ORTHODONTICS & DENTOFACIAL ORTHOPEDICS  
DENTAL EDUCATION UNIT

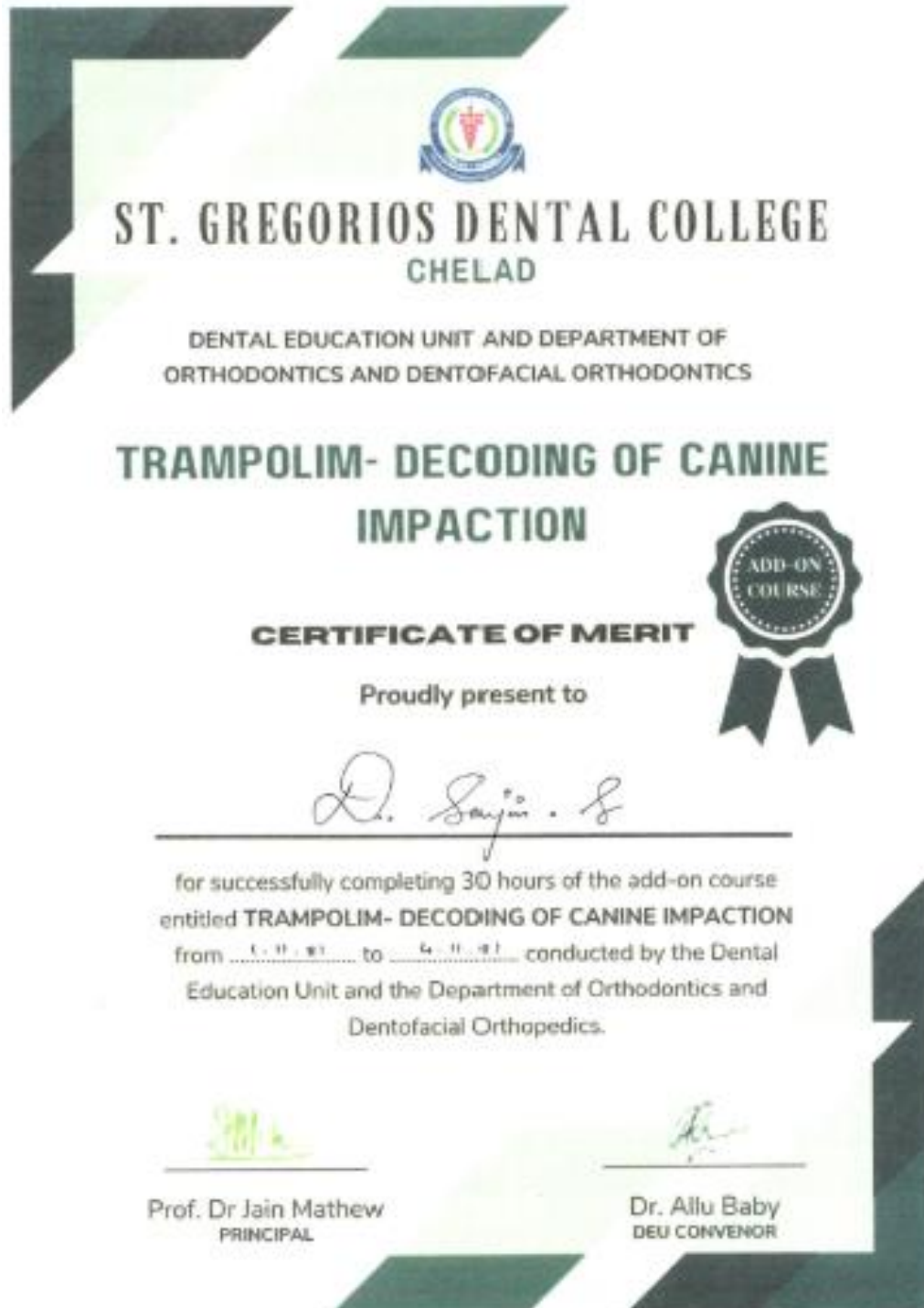
FROM	DATE	VENUE
<b>8.00 AM</b>	<b>01 - 04</b> NOVEMBER 2021	<b>PRE-CLINICAL LAB</b>



# ST. GREGORIOS DENTAL COLLEGE

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## CERTIFICATE





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## PHOTOS



Photograph of Add on program 'Trampolim- Decoding of Canine Impaction'



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## **IMPLANTOLOGY**

From

Head of the Department

Department of Prosthodontics and Crown and Bridge

St. Gregorios Dental College, Chelad

To

The Principal

St. Gregorios Dental College, Chelad

**Subject:** Request letter for conducting IMPLANTOLOGY certificate program for Prosthodontic PG students.

Respected Sir,

We are planning to conduct an add on course for Prosthodontic PG students on IMPLANTOLOGY from 04.01.2022-07.01.2022 in the seminar hall, Department of Prosthodontics and Crown and Bridge. Details of the program are enclosed here for your reference.

Requesting you to kindly give us permission and guide us to conduct the program.

Thanking you,

Yours sincerely,

Dr. George Francis

Professor and Head of the Department

Department of Prosthodontics and Crown and Bridge

**ST. GREGORIOS DENTAL COLLEGE**

**CHELAD, KOTHAMANGALAM**

SGDC/ADD/001/2022

01/01/2022

**CIRCULAR**

Subject: Certificate course on Implantology for Prosthodontic PG students.

This is to inform you that an add on course for Prosthodontic PG students is being organized by the Department of Prosthodontics and Crown and Bridge on topic entitled Implantology from 04.01.2022-07.01.2022 in the seminar hall, Department of Prosthodontics and Crown and Bridge.

For further reference reach out to Dr. Merin K. Joseph.



**PRINCIPAL**

**PRINCIPAL**  
St. Gregorios Dental College  
Chelad, Kerala - 686 681

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Office

All departments

Library



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## DEPARTMENT OF PROSTHODONTICS AND CROWN AND BRIDGE

### IMPLANTOLOGY

Venue: St. Gregorios Dental College

Date/time: 04.01.2022-07.01.2022

#### **Course syllabus:**

Implants in dental practice.

#### **Preamble:**

This comprehensive program is thoughtfully designed to provide dental professionals with the knowledge, competence, and confidence that will enable one to excel in the intricate world of dental implantology. Dental implants present a new frontier in tooth replacement, with patients deriving a reliable and aesthetically pleasing solution that notably improves both function and aesthetics. With the demand for implant therapy on the rise, it is important that dental professionals keep themselves updated with regard to state-of-the-art developments and the best techniques in this fast-changing field. Participants in this course will go on a transformative journey of learning that builds invaluable knowledge and practical competencies.

#### **Rationale of the course:**

The curriculum includes everything from basic principles to the latest techniques in implantology, combining theoretical knowledge with hands-on clinical training to make for a totally rounded education.

#### **Aim:**

The aim of this lecture is to provide postgraduate students with an advanced understanding of dental implantology and specifically to allow them to incorporate implant therapy smoothly into the prosthetic treatment planning and restoration process.

#### **Eligible participants:**

Prosthodontic PG students

**Course duration:** Total 30 hours

**Mode of delivery:** Offline mode

**Course coordinator:** Dr. Merin K. Joseph

**Course Faculty:** Dr. Bijo John MDS and faculties of Department of Prosthodontics and Crown and Bridge



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## COURSE SCHEDULE

**DAY 1: 04/01/2022**

<b>MODULE 1 INTRODUCTION TO DENTAL IMPLANTOLOGY</b>		
Historical overview of dental implants	Dr. George Francis	8.30am - 9.00am
Basic components of dental implants	Dr. Silpa Abraham	9.00am-9.30am
Patient selection criteria for implant treatment	Dr. Silpa Abraham	10.00am-10.30am

<b>MODULE 2 ANATOMY AND PHYSIOLOGY OF THE ORAL CAVITY RELEVANT TO IMPLANT PLACEMENT</b>		
Maxillary and mandibular anatomy	Dr. Bijo John	11.00am - 11.30am
Bone physiology and remodeling	Dr. Bijo John	11.30am-12.30pm
Soft tissue considerations for implant placement	Dr. Bijo John	12.30pm-1.30pm

<b>MODULE 3 DIAGNOSTIC TOOLS AND TREATMENT PLANNING IN IMPLANT DENTISTRY</b>		
Radiographic imaging techniques (e.g., CBCT, panoramic)	Dr. Bijo John	2.00pm - 2.30pm
Digital treatment planning software	Dr. Bijo John	2.30pm-3.30pm
Risk assessment and treatment sequencing	Dr. Bijo John	3.30pm-4.30pm





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**DAY 2: 05/01/2022**

<b>MODULE 4 SURGICAL TECHNIQUES AND PRINCIPLES IN IMPLANT PLACEMENT</b>		
Flap design and tissue management	Dr. Bijo John	8.30am - 9.30am
Implant site preparation (osteotomy)	Dr. Bijo John	9.30am-10.00am
Immediate implant placement techniques	Dr. Bijo John	10.00am-10.30am

<b>MODULE 5 OSSEOINTEGRATION AND BONE GRAFTING TECHNIQUES</b>		
Biological principles of osseointegration	Dr. Merin K. Joseph	11.00am - 11.30am
Types of bone graft materials (autogenous, allograft, xenograft)	Dr. Merin K. Joseph	11.30am-12.30pm
Guided bone regeneration (GBR) techniques	Dr. Paul Kariyatty	12.30pm-1.30pm

<b>MODULE 6 PROSTHETIC OPTIONS AND RESTORATION DESIGN IN IMPLANT DENTISTRY</b>		
Types of implant-supported restorations (single tooth, bridge, overdenture)	Dr. Bijo John	2.00pm - 2.30pm
Materials used in implant prosthesis fabrication (e.g., zirconia, titanium)	Dr. Bijo John	2.30pm-3.30pm
Occlusal considerations and implant restoration longevity	Dr. Bijo John	3.30pm-4.30pm



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**DAY 3: 06/01/2022**

<b>MODULE 7 COMPLICATIONS AND MANAGEMENT IN IMPLANT THERAPY</b>		
Peri-implantitis: diagnosis and treatment	Dr. Arun K. Joy	8.30am - 9.00am
Implant malpositioning and prosthetic complications	Dr. Arun K. Joy	9.00am-9.30am
Soft tissue management around dental implants	Dr. Reshma Raju	9.30am-10.30am

<b>MODULE 8 EMERGING TRENDS AND INNOVATIONS IN DENTAL IMPLANTOLOGY</b>		
Digital dentistry and guided implant surgery	Dr. Bijo John	11.00am - 11.30am
Immediate loading protocols	Dr. Bijo John	11.30am-12.30pm
Tissue engineering and regenerative therapies for implantology	Dr. Bijo John	12.30pm-1.30pm

<b>MODULE 9 CASE PRESENTATIONS AND DISCUSSION</b>		
Review of clinical cases illustrating various aspects of implant treatment planning, surgery, and prosthetic rehabilitation	Dr. Bijo John	2.30pm - 3.30pm
Discussion of treatment outcomes, challenges encountered, and lessons learned	Dr. Bijo John	3.30pm-4.30pm



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## DAY 4: 07/01/2022

Hands on- Impression making	Dr. Bijo John	9.30am-12.30pm
Hands on- Implant placement	Dr. Bijo John	1.30pm-4.30pm

A continuous practical training session would be conducted for **Prosthodontic PG students** every **Tuesdays** from **3:00pm – 6:00pm** for **6 months**. They will be provided advanced hands on training followed by placement of implant on **10 patients** under the guidance of **Dr. Bijo John**.



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## **POST EVENT REPORT**

The Implantology Course conducted at St. Gregorios Dental College from January 4-7, 2022, was designed to expose participants to all features of dental implantology in theory and practical skills. The event was meant to build up participants regarding implant procedures and to facilitate them with the required competencies to carry out implant surgeries.

The program was attended by post-graduate students from the Department of Prosthodontics, St. Gregorios Dental College. It was initiated with scientific lectures on treatment planning in implant dentistry, surgical techniques, prosthetic considerations, and managing complications. Post lecture, hands-on sessions were conducted, where the participants practiced various procedures in implantology. At the end of the program, feedback forms were given to the participants to record their opinions and suggestions. Overall, the reception of the course was very positive, with every participant satisfied with the content, organization, and hands-on learning. Overall, the objectives of the program were met as the high standards of education and professional development were achieved.



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## **FEEDBACK FORM**

### **1. Overall Satisfaction:**

- Extremely Satisfied
- Very Satisfied
- Somewhat Satisfied
- Not Satisfied

### **2. Content Relevance:**

- Highly Relevant
- Relevant
- Somewhat Relevant
- Not Relevant

### **3. Quality of Presentations:**

- Excellent
- Good
- Fair
- Poor

### **4. Hands-On Workshop Experience:**

- Excellent
- Good
- Fair
- Poor

### **5. Organization and Logistics:**

- Excellent
- Good



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- Fair
- Poor

## 6. Faculty Expertise and Interaction:

- Excellent
- Good
- Fair
- Poor

7. What aspects of the event did you find most beneficial?

8. Were there any topics or areas that you felt could have been covered in more detail?

9. Did you find the hands-on workshops helpful in enhancing your practical skills?

10. How would you rate the overall organization and logistics of the event?

11. Do you have any suggestions for improving future events or topics you would like to see covered in similar workshops?

**Additional Comments:**

12. 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. Merin K. Joseph.



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## **FEEDBACK ANALYSIS**

Participants judged the content as extensive and the practical training to be very relevant to the lecture series. They appreciated the clarity in explaining difficult concepts and being able to work with state-of-the-art diagnostic tools, along with treatment planning software. Many expressed confidence in applying the knowledge gained to their clinical practice, while also expressing interest in further exploration of emerging trends and innovations in dental implantology.



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## ASSIGNMENT

- 1. Which of the following is NOT a component of a dental implant?**
  - A) Implant body
  - B) Abutment
  - C) Crown
  - D) Osseointegration
- 2. What is the primary purpose of flap design in implant surgery?**
  - A) To expose the underlying bone
  - B) To enhance aesthetics
  - C) To create space for the implant
  - D) To improve healing
- 3. Which imaging technique is commonly used for preoperative assessment in dental implantology?**
  - A) Panoramic radiograph
  - B) MRI
  - C) PET scan
  - D) Echocardiography
- 4. Which type of bone graft material is harvested from the patient's own body?**
  - A) Allograft
  - B) Xenograft
  - C) Autograft
  - D) Synthetic graft
- 5. What is osseointegration?**
  - A) Formation of new bone around the implant
  - B) Integration of soft tissue with the implant
  - C) Rejection of the implant by the body
  - D) None of the above
- 6. Which of the following is NOT a prosthetic option for dental implants?**
  - A) Single crown
  - B) Fixed partial denture
  - C) Full metal denture
  - D) Removable overdenture





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**7. What is the primary cause of peri-implantitis?**

- A) Poor oral hygiene
- B) Overloading of the implant
- C) Allergy to implant materials
- D) Improper flap design

**8. What is the recommended timeline for loading an implant with a fixed prosthesis in immediate loading protocols?**

- A) 6 months after implant placement
- B) 3 months after implant placement
- C) Immediately after implant placement
- D) 1 year after implant placement

**9. Which digital technology is commonly used for guided implant surgery?**

- A) CAD/CAM
- B) 3D printing
- C) Cone-beam computed tomography (CBCT)
- D) Intraoral scanner

**10. What is the purpose of guided bone regeneration (GBR) in implantology?**

- A) To enhance osseointegration
- B) To increase soft tissue volume
- C) To regenerate lost bone
- D) To prevent peri-implantitis



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## **Answer key:**

1. C) Crown
2. A) To expose the underlying bone
3. A) Panoramic radiograph
4. C) Autograft
5. A) Formation of new bone around the implant
6. C) Full metal denture
7. A) Poor oral hygiene
8. C) Immediately after implant placement
9. C) Cone-beam computed tomography (CBCT)
10. C) To regenerate lost bone



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## PARTICIPANTS LIST



**ST. GREGORIOS DENTAL COLLEGE, CHELAD**

UNDER THE MANAGEMENT OF MJSCE TRUST, PUTHENCRUZ

CHELAD, KOTHAMANGALAM, ERNAKULAM DIST, KERALA - 686681

TOPIC: *IMPLANTOLOGY - All on course.*

Sl no.	Name of participant	04-01-2022 Day 1	05/1/22 Day 2	06/01/2022 Day 3	09-01-2022 Day 4
1.	Dr. Aishwarya	<i>Aishwarya</i>	<i>Aishwarya</i>	<i>Aishwarya</i>	<i>Aishwarya</i>
2.)	Dr. Rania M. M. Khan	<i>Rania</i>	<i>Rania</i>	<i>Rania</i>	<i>Rania</i>
3.	Dr. Mabel	<i>Mabel</i>	<i>Mabel</i>	<i>Mabel</i>	<i>Mabel</i>
4	DR. JINSON JAMES	<i>Jinson</i>	<i>Jinson</i>	<i>Jinson</i>	<i>Jinson</i>
5.	Dr. Hasi Shankaran	<i>Hasi</i>	<i>Hasi</i>	<i>Hasi</i>	<i>Hasi</i>
6.	Dr. Jasmine Cyril	<i>Jasmine</i>	<i>Jasmine</i>	<i>Jasmine</i>	<i>Jasmine</i>
7.	DR. ANN GEORGE	<i>Ann</i>	<i>Ann</i>	<i>Ann</i>	<i>Ann</i>
8.)	Dr. Arya Arvind	<i>Arya</i>	<i>Arya</i>	<i>Arya</i>	<i>Arya</i>
9.)	DR. DIVYA	<i>Divya</i>	<i>Divya</i>	<i>Divya</i>	<i>Divya</i>

		
PRINCIPAL	DEU Convener	DEU Secretary




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## BROCHURE

 **ST. GREGORIOS DENTAL COLLEGE**  
CHELAD

DENTAL EDUCATION UNIT &  
DEPT. OF PROSTHODONTICS & IMPLANTOLOGY

# IMPLANTOLOGY

ADD - ON COURSE FOR POST GRADUATES -  
PROSTHODONTICS



**04 - 07 JAN 2019 | PROSTHODONTICS LAB**  
**08.00 AM - 4.00 PM**



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## PHOTOS



PHOTOGRAPH OF ADD ON COURSE- 'IMPLANTOLOGY'



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## **ANATOMY OF MOVEMENT**

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Phone: 0485-2572531, 532, 9188952016, 9188952017

Email: [sgdc@rediffmail.com](mailto:sgdc@rediffmail.com), Web: [sgdc.ac.in](http://sgdc.ac.in)

From

Head of the Department

Department of Dental Anatomy and Embryology

St. Gregorios Dental College, Chelad

To

The Principal

St. Gregorios Dental College, Chelad

Subject: Request letter for conducting an Add on program titled 'ANATOMY OF MOVEMENT' for First year students

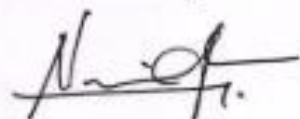
Respected Sir,

We are planning to conduct an Add on course for the first students on the topic 'ANATOMY OF MOVEMENT' from 07.02.2022-10.02.2022. Details of the program are enclosed here for your reference AT THE ANATOMY DISSECTION HALL.

Requesting you to give us permission and guide us to conduct the program.

Thanking You,

Yours sincerely,



Ms. Nima M. Kalappura

Department of Dental Anatomy and Embryology



**ST. GREGORIOS DENTAL COLLEGE**

**CHELAD, KOTHAMANGALAM**

SGDC/ADD/002/2022

03/02/2022

**CIRCULAR**

Subject: Add on Course on Anatomy Of Movement for first year students

This is to inform you that an add on course for the 1<sup>st</sup> year students is being organized by the Department of Dental Anatomy and Embryology on the topic entitled Anatomy of Movement from 07.02.2022-10.02.2022 at the college auditorium

For further reference, reach out to Ms. Manju Manoharan.



**PRINCIPAL**



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St. Gregorios Dental College  
Chelad, Kerala - 686 681

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# ST. GREGORIOS DENTAL COLLEGE

UNDER THE MANAGEMENT OF MJSCE TRUST, PUTHENCRUZ

CHELAD, KOTHAMANGALAM, ERNAKULAM DIST, KERALA- 686681

(AFFILIATED TO KERALA UNIVERSITY OF HEALTH SCIENCES)

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## DEPARTMENT OF DENTAL ANATOMY AND EMBRYOLOGY

### ANATOMY OF MOVEMENT

Venue: College Auditorium, St. Gregorios Dental College

Date/Time: 07.02.2022-10.02.2022

#### **Course Syllabus:**

Anatomy of Movement for 1<sup>st</sup> 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

**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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## COURSE SCHEDULE

07.02.2022

<b>MODULE 1: INTRODUCTION TO MUSCULOSKLETAL ANATOMY</b>		
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

<b>MODULE 2: HEAD AND NECK ANATOMY</b>		
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

<b>MODULE 3: CRANIOFACIAL DEVELOPMENT</b>		
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



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**08.02.2022**

<b>MODULE 4: MASTICATORY MUSCLES</b>		
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

<b>MODULE 5: TEMPEROMANDIBULAR JOINT</b>		
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

<b>MODULE 6: ORAL MOTOR FUNCTION</b>		
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



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**09.02.2022**

<b>MODULE 7: BIOMECHANICS OF OCCLUSION</b>		
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

<b>MODULE 8: FUNCTIONAL ANATOMY OF TONGUE AND PALATE</b>		
Examination	Ms. Nima M Kalappura	11.30am-12.30pm
Function	Ms. Nima M Kalappura	12.30pm-1.30pm
Significance	Ms. Nima M Kalappura	1.30pm-2.00pm

<b>MODULE 9: POSTURAL CONSIDERATIONS</b>		
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



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**10.02.2022**

<b>MODULE 10: IMAGING TECHNIQUES</b>		
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

<b>MODULE 11: PATHOPHYSIOLOGY OF MOVEMENT</b>		
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

<b>MODULE 12: Demonstration</b>		
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 07.02.2022 to 10.02.2022 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 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. 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 session/demonstration**





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

- Excellent
- Very Good
- Good
- Fair
- Poor

#### 4. Instructions 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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- 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?

- Yes
- 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 Ms. Manju Manoharan



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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 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
  - d) Isotonic
- 7. In what part of the body can the deltoid muscle be found?**
  - a) Shoulder
  - b) Thigh
  - c) Abdomen



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- d) Forearm
- 8. The socket of the hip joint is formed by:**
- a) Femur
  - b) Pelvis
  - c) Tibia
  - d) Fibula
- 9. What is used for bending movement of a joint, decreasing the angle between the two bones?**
- a) Flexion
  - b) Extension
  - c) Abduction
  - d) Adduction
- 10. What is the primary function of cerebellum?**
- a) Sensory processing
  - b) Voluntary muscle control and coordination
  - c) Regulation of heart rate and breathing
  - d) Hormone secretion



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## Answer key:

1. b) Ligamentous
2. a) Ball-and-socket joint
3. b) Rectus femoris
4. d) Proprioceptor
5. c) Peripheral nerves
6. c) Eccentric
7. a) Shoulder
8. b) Pelvis
9. a) Flexion
10. b) Voluntary muscle control and coordination



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## ATTENDANCE LIST



### ST. GREGORIOS DENTAL COLLEGE, CHELAD

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

TOPIC: ANATOMY OF MOVEMENT

Sl no.	Name of participant	07/02/22 Day 1	08/02/22 Day 2	09/02/22 Day 3	10/02/22 Day 4
1	Amal Sumesh	Amal	Amal	Amal	Amal
2	Baleemol S.R.	Baleemol	Baleemol	Baleemol	Baleemol
3	Navedhya Giju	Navedhya	Navedhya	Navedhya	Navedhya
4	Anjali P.P	Anjali	Anjali	Anjali	Anjali
5	Shruthi B	Shruthi	Shruthi	Shruthi	Shruthi
6	Pooja Raj P	Pooja	Pooja	Pooja	Pooja
7	Savit Jamb	Savit	Savit	Savit	Savit
8	Navee Maera Vinod	Navee	Navee	Navee	Navee
9	Rohit K Mathew	Rohit	Rohit	Rohit	Rohit
10	Nandana Joy.	Nandana	Nandana	Nandana	Nandana
11	Devika V.S	Devika	Devika	Devika	Devika
12	ANNA MARIYA	Anna	Anna	Anna	Anna
13	Sangeeta R	Sangeeta	Sangeeta	Sangeeta	Sangeeta
14	Aishwarya S	Aishwarya	Aishwarya	Aishwarya	Aishwarya
15	Shruti Shreeji	Shruti	Shruti	Shruti	Shruti
16	Arya L	Arya	Arya	Arya	Arya
17	Seethy B	Seethy	Seethy	Seethy	Seethy
18	Fathima Salim	Fathima	Fathima	Fathima	Fathima
19	Ajitha K.J	Ajitha	Ajitha	Ajitha	Ajitha
20	YOSHITA MARIAM	Yoshita	Yoshita	Yoshita	Yoshita
21	Ashamsa K Nair	Ashamsa	Ashamsa	Ashamsa	Ashamsa
22	R Anakha	Anakha	Anakha	Anakha	Anakha
23	Aleena Anna Ahy	Aleena	Aleena	Aleena	Aleena
24	Jany Johnson	Jany	Jany	Jany	Jany
25	Gayathri Devi K	Gayathri	Gayathri	Gayathri	Gayathri

PRINCIPAL	DEU Convener	DEU Secretary



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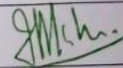

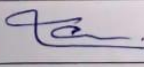
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UNDER THE MANAGEMENT OF MJSCE TRUST, PUTHENCRUZ

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TOPIC: ANATOMY OF MOVEMENT

Sl no.	Name of participant	Day 1	Day 2	Day 3	Day 4
26	Amalika NP B	Amalika	Amalika	Amalika	Amalika
27	Joseph John	Joseph John	Joseph John	Joseph John	Joseph John
28	Lybna Joseph	Lybna	Lybna	Lybna	Lybna
29	Ashwani Josephvakash	Ashwani	Ashwani	Ashwani	Ashwani
30	MIRIAM GERALD	Miriam	Miriam	Miriam	Miriam
31	Anna Thomas	Anna	Anna	Anna	Anna
32	ANAINA RAJENDRAN	Anaina	Anaina	Anaina	Anaina
33	Meenakshi P S	Meenakshi	Meenakshi	Meenakshi	Meenakshi
34	Husna IS	Husna	Husna	Husna	Husna
X	Angela Mathew	Angela	Angela	Angela	Angela
	<del>Angela Mathew</del>				
	<del>Angela Mathew</del>				

		
PRINCIPAL	DEU Convenor	DEU Secretary





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## BROCHURE

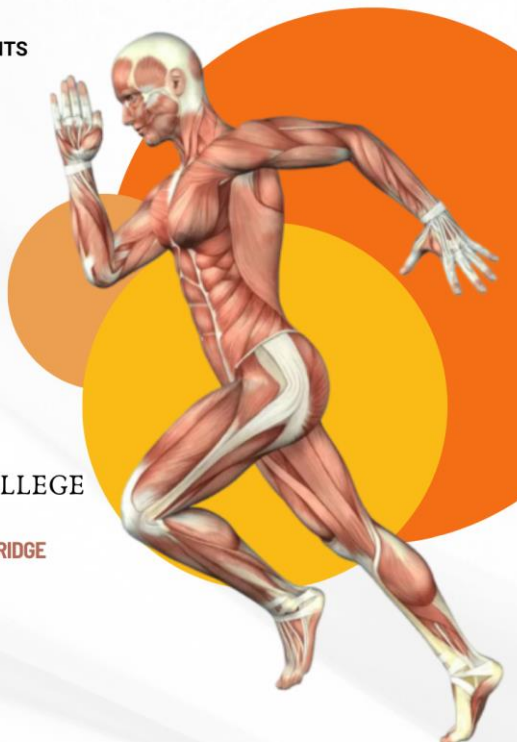
**ADD-ON  
COURSE**


# Anatomy of MOVEMENT

for FIRST YEAR BDS STUDENTS



**RESOURCE PERSON**  
Ms. NIMA S KALAPURA





ST. GREGORIOS DENTAL COLLEGE  
CHELAD  
DEPT. OF PROSTHODONTICS & CROWN AND BRIDGE  
DENTAL EDUCATION UNIT

**07-10 FEB 2022 | ANATOMY LAB | 8.00AM - 4.00 PM**



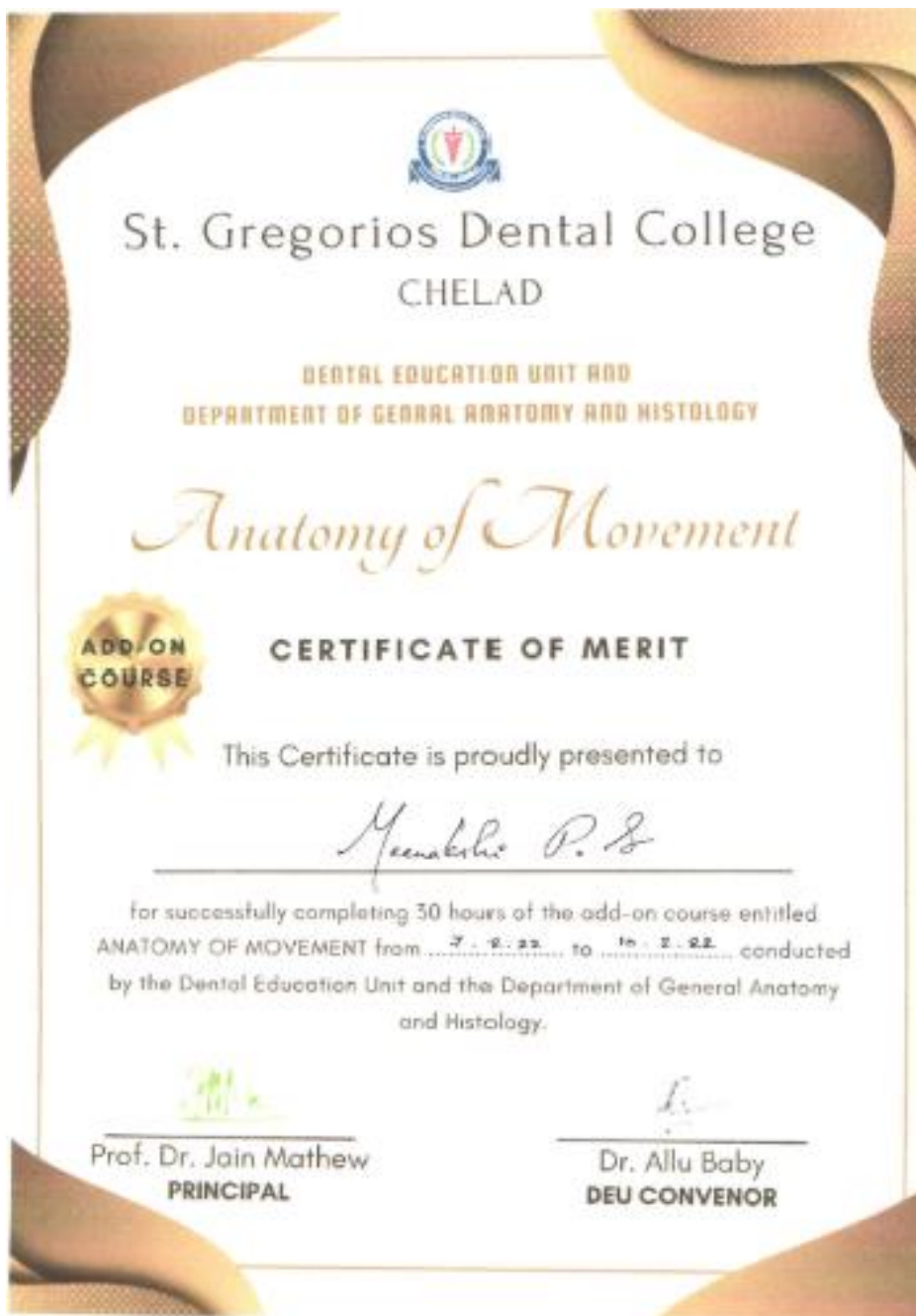
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## CERTIFICATE



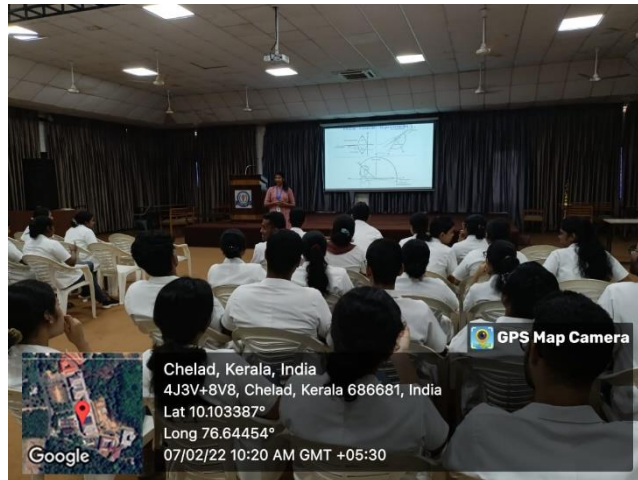


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## PHOTOS



PHOTOGRAPHS OF ADD-ON PROGRAM 'ANATOMY OF MOVEMENT'



# ST.GREGORIOS DENTAL COLLEGE

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## **DIET AND AUTOIMMUNE DISEASE**

From  
Department of Physiology and Biochemistry  
St.Gregorios Dental College, Chelad

To  
The Principal  
St.Gregorios Dental College, Chelad

Subject; Request letter for conducting certificate program entitled DIET AND AUTOIMMUNE DISEASE for Second year students.

Respected Sir,

The Department of Physiology and Biochemistry is planning to conduct an add on course for Second year students on 'DIET AND AUTOIMMUNE DISEASE' from 04.04.2022 - 07.04.2022, at the College Auditorium. Details of the program are enclosed here for your reference.

Requesting you to kindly give us permission and guide us to conduct the program.

Thanking you,  
Yours sincerely,

Ms. Jitha K. S.



Department of Physiology and Biochemistry

**ST. GREGORIOS DENTAL COLLEGE**

**CHELAD, KOTHAMANGALAM**

SGDC/ADD/003/2022

01/04/2022

**CIRCULAR**

**Subject:** Certificate course on 'DIET AND AUTOIMMUNE DISEASE' for Second year students.

This is to inform you that an add on course for Second year students is being organised by the Department of Physiology and Biochemistry on the topic entitled 'DIET AND AUTOIMMUNE DISEASE' from 04.04.2022 - 07.04.2022 at the College Auditorium.

For further reference reach out to Ms. Jitha K. S.



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## DEPARTMENT OF PHYSIOLOGY AND BIOCHEMISTRY

### DIET AND AUTOIMMUNE DISEASE

Venue: St.Gregorios Dental College

Date/time: 04.04.2022 - 07.04.2022

#### **Course syllabus:**

Diet and Autoimmune Disease.

#### **Preamble:**

Increasingly, diet and autoimmune diseases interact in a complex way, which has been given more focus in recent years. As first-line healthcare professionals, dental professionals have a very important role in the recognition, appreciation, and management of oral manifestations of autoimmune diseases. As diet has a significant influence on autoimmune disease process and progression, it is very important that dental students have comprehensive knowledge and practical skills in this area.

#### **Rationale of the course:**

This course, "Diet and Autoimmune Disease in Dental Practice," is thoughtfully crafted to enable dental students to appreciate in depth the complex diet-autoimmune disease relationship and its implications for oral health and patient care. Operating at the intersection of immunology, nutrition science, and dental medicine, students will learn how diet influences immune function, modulates inflammatory processes, and reduces oral complications in autoimmune diseases.

#### **Aim:**

The course aims at providing dental students with an in-depth understanding of the relationship between diet and autoimmune diseases, placed in the context of dental practice. This will empower the dental student to contribute actively in the promotion of both oral and systemic health through individualized dietary counseling and patient-centered care approaches to care for individuals with autoimmune diseases.

#### **Eligible participants:**

Second year students

**Course duration:** Total 30 hours

**Mode of delivery:** Offline mode

**Course coordinator:** Ms. Jitha K. S.

**Course Faculty:** Ms. Josna Raju



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(AFFILIATED TO KERALA UNIVERSITY OF HEALTH SCIENCES)

## COURSE SCHEDULE

### DAY 1: 04.04.2022

<b>MODULE 1 INTRODUCTION TO AUTOIMMUNE DISEASES</b>		
Overview of autoimmune diseases and their prevalence	Ms. Josna Raju	8.30am -9.00am
Common autoimmune diseases affecting oral health	Ms. Josna Raju	9.00am-9.30am
Impact of autoimmune diseases on dental treatment and oral hygiene	Ms. Josna Raju	9.30am-10.00am

<b>MODULE 2 BASICS OF AUTOIMMUNITY</b>		
Understanding the immune system and its role in autoimmune diseases	Ms. Josna Raju	10.30am -11.30am
Mechanisms of autoimmune reactions and tissue damage	Ms. Josna Raju	11.30am-12.30pm
Genetic and environmental factors influencing autoimmune disease development	Ms. Josna Raju	12.30pm-1.30pm

<b>MODULE 3 DIET AND AUTOIMMUNITY</b>		
The role of diet in modulating immune function	Ms. Josna Raju	2.00pm -2.30pm
Impact of diet on inflammation and autoimmune responses	Ms. Josna Raju	2.30pm-3.30pm
Dietary triggers and potential protective factors for autoimmune diseases	Ms. Josna Raju	3.30pm-4.30pm





# 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 2: 05.04.2022

<b>MODULE 4 ORAL MANIFESTATIONS OF AUTOIMMUNE DISEASES</b>		
Oral manifestations of common autoimmune diseases	Ms. Josna Raju	8.30am -9.00am
Recognizing and managing oral complications in patients with autoimmune diseases	Ms. Josna Raju	9.00am-9.30am
Interdisciplinary approach to oral care for patients with autoimmune diseases	Ms. Josna Raju	9.30am-10.00am

<b>MODULE 5 DIETARY INTERVENTIONS IN AUTOIMMUNE DISEASES</b>		
Evidence-based dietary interventions for managing autoimmune diseases	Ms. Josna Raju	10.30am - 11.30am
Anti-inflammatory diets and their potential benefits	Ms. Josna Raju	11.30am-12.30pm
Nutritional supplements and their role in autoimmune disease management	Ms. Josna Raju	12.30pm-1.30pm

<b>MODULE 6 PATIENT EDUCATION AND COUNSELING</b>		
Effective communication strategies for discussing diet and autoimmune diseases with patients	Ms. Josna Raju	2.00pm -2.30pm
Empowering patients to make dietary changes and adhere to treatment plans	Ms. Josna Raju	2.30pm-3.30pm
Addressing common misconceptions and concerns about dietary interventions	Ms. Josna Raju	3.30pm-4.30pm



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## DAY 3: 06.04.2022

<b>MODULE 7 CASE STUDIES AND CLINICAL APPLICATIONS</b>		
Review of case studies highlighting the integration of diet in managing patients with autoimmune diseases	Ms. Josna Raju	8.30am -9.00am
Practical approaches to implementing dietary recommendations in dental practice	Ms. Josna Raju	9.00am-9.30am
Collaborative care with other healthcare professionals in managing patients with autoimmune diseases	Ms. Josna Raju	9.30am-10.00am

<b>MODULE 8 EMERGING RESEARCH AND FUTURE DIRECTIONS</b>		
Current trends and ongoing research in diet and autoimmune diseases	Ms. Josna Raju	10.30am -11.30am
Potential areas for future research and innovation in dietary interventions	Ms. Josna Raju	11.30am-12.30pm
Implications for dental practice and patient care	Ms. Josna Raju	12.30pm-1.30pm

<b>MODULE 9 ASSESSMENT AND EVALUATION</b>		
Methods for assessing patients' dietary habits and nutritional status	Ms. Josna Raju	2.00pm -2.30pm
Evaluating the effectiveness of dietary interventions in managing autoimmune diseases	Ms. Josna Raju	2.30pm-3.00pm
Feedback and reflection on the course content and learning outcomes	Ms. Josna Raju	3.00pm-3.30pm



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## DAY 4: 07.04.2022

<b>MODULE 10 RESOURCES AND CONTINUING EDUCATION</b>		
Accessing reliable resources and tools for staying updated on diet and autoimmune diseases	Ms. Josna Raju	8.30am -9.00am
Opportunities for further education and training in this area	Ms. Josna Raju	9.00am-9.30am
Networking and collaboration with experts in autoimmune diseases and nutrition	Ms. Josna Raju	9.30am-10.00am

<b>MODULE 11 PSYCHOLOGICAL ASPECTS OF AUTOIMMUNE DISEASES</b>		
Understanding the psychological impact of autoimmune diseases on patients	Ms. Josna Raju	10.30am -11.30am
Recognizing common emotional challenges and coping mechanisms	Ms. Josna Raju	11.30am-12.30pm
Strategies for providing empathetic and supportive care to patients with autoimmune diseases	Ms. Josna Raju	12.30pm-1.30pm

<b>MODULE 12 ETHICAL CONSIDERATIONS IN DIETARY COUNSELING</b>		
Ethical principles guiding dietary counseling in dental practice	Ms. Josna Raju	2.00pm -2.30pm
Addressing cultural and socioeconomic factors influencing dietary choices	Ms. Josna Raju	2.30pm-3.00pm
Ensuring patient autonomy, confidentiality, and informed consent in dietary interventions	Ms. Josna Raju	3.00pm-3.30pm



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## **POST EVENT REPORT**

‘Diet and Autoimmune Disease’ Course conducted at St. Gregorios Dental College from 04.04.2022 - 07.04.2022, was an informative in-depth look at the intricate relationships that diet may have with autoimmune disorders. The lecture, which was given by Ms. Josna Raju, covered such areas as the role of diet in modulating immune function, dietary triggers and protective factors for autoimmune diseases, and evidence-based dietary interventions. The attendees were able to engage in interactive discussions and case studies, practical exercises that really dug into the subject matter at hand.

The course was attended by the Second year students of St. Gregorios Dental College. There was an overwhelming number of positive remarks from the participants, with many highly appreciative of the relevance to dental practice and patient care. There remains much interest from the attendees in exploring further how to integrate dietary counseling into dental practice and working with other healthcare professionals to address the holistic needs of patients with autoimmune diseases.



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## **FEEDBACK FORM**

### 1. Overall Satisfaction:

- Extremely Satisfied
- Very Satisfied
- Somewhat Satisfied
- Not Satisfied

### 2. Content Relevance:

- Highly Relevant
- Relevant
- Somewhat Relevant
- Not Relevant

### 3. Quality of Presentations:

- Excellent
- Good
- Fair
- Poor

### 4. Organization and Logistics:

- Excellent
- Good
- Fair
- Poor

### 5. Faculty Expertise and Interaction:

- Excellent
- Good



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- Fair
- Poor

7. **What aspects of the event did you find most beneficial?**
8. **Were there any topics or areas that you felt could have been covered in more detail?**
10. **How would you rate the overall organization and logistics of the event?**
11. **Do you have any suggestions for improving future events or topics you would like to see covered in similar workshops?**
12. **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 Ms. Jitha K. S.



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## **FEEDBACK ANALYSIS**

The participants found the lecture very interesting and informational on diet and autoimmune disease. People liked the practical example and case studies, which really made the subject matter much clearer. The format of the interaction made it a friendly, stimulating conversation among the attendees. In all, the session was evaluated as very useful, with participants feeling a new level of confidence in integrating diet counseling into their professional practice to better take care of patients.



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## ASSIGNMENT

- 1. Which of the following is NOT considered an autoimmune disease?**
  - A) Rheumatoid arthritis
  - B) Type 2 diabetes
  - C) Crohn's disease
  - D) Lupus
- 2. What role does diet play in autoimmune diseases?**
  - A) It has no impact on autoimmune diseases
  - B) It can modulate immune function and inflammation
  - C) It directly causes autoimmune diseases
  - D) It only affects oral health, not systemic health
- 3. Which dietary factor has been associated with an increased risk of autoimmune diseases?**
  - A) High intake of fruits and vegetables
  - B) Low intake of omega-3 fatty acids
  - C) Mediterranean diet pattern
  - D) High intake of processed foods and sugars
- 4. Which autoimmune disease is characterized by inflammation and dryness of the mouth and eyes?**
  - A) Rheumatoid arthritis
  - B) Sjögren's syndrome
  - C) Multiple sclerosis
  - D) Psoriasis
- 5. What is the primary goal of dietary interventions in autoimmune diseases?**
  - A) To cure the autoimmune disease completely
  - B) To manage symptoms and inflammation
  - C) To eliminate all carbohydrates from the diet
  - D) To promote weight loss
- 6. Which type of diet has been shown to have anti-inflammatory effects and may benefit patients with autoimmune diseases?**
  - A) High-sugar diet
  - B) Low-fat diet
  - C) Gluten-free diet
  - D) Mediterranean diet





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**7. What is the role of omega-3 fatty acids in autoimmune diseases?**

- A) They promote inflammation
- B) They have no effect on autoimmune diseases
- C) They have anti-inflammatory properties
- D) They increase the risk of autoimmune diseases

**8. Which autoimmune disease is characterized by damage to the lining of the small intestine in response to gluten consumption?**

- A) Crohn's disease
- B) Celiac disease
- C) Hashimoto's thyroiditis
- D) Ulcerative colitis

**9. How can dental professionals contribute to the management of autoimmune diseases?**

- A) By prescribing medications to treat the autoimmune disease
- B) By providing dietary counseling and oral care tailored to the needs of patients with autoimmune diseases
- C) By performing surgery to remove affected tissues
- D) By administering vaccines to prevent autoimmune diseases

**10. Which of the following is NOT a potential benefit of dietary interventions in autoimmune diseases?**

- A) Reduced inflammation
- B) Improved symptom management
- C) Prevention of autoimmune diseases
- D) Enhanced overall health and well-being



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## **Answer key:**

1. B) Type 2 diabetes
2. B) It can modulate immune function and inflammation
3. D) High intake of processed foods and sugars
4. B) Sjögren's syndrome
5. B) To manage symptoms and inflammation
6. D) Mediterranean diet
7. C) They have anti-inflammatory properties
8. B) Celiac disease
9. B) By providing dietary counseling and oral care tailored to the needs of patients with autoimmune diseases
10. C) Prevention of autoimmune diseases



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## PARTICIPANTS LIST



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UNDER THE MANAGEMENT OF MJSCE TRUST, PUTHENCRUZ

CHELAD, KOTHAMANGALAM, ERNAKULAM DIST, KERALA- 686681

TOPIC: *Diet and Autoimmune Disease - ADD ON COURSE.*

Sl no.	Name of participant	4/4/22 Day 1	5/4/22 Day 2	6/4/22 Day 3	7/4/22 Day 4
1.	Abhinaya K.A	Abhinaya	Abhinaya	Abhinaya	Abhinaya
2.	Anjitha K Vijay	Anjitha	Anjitha	Anjitha	Anjitha
3.	Annet Rachel Joy	Annet	Annet	Annet	Annet
4.	Ansha K.A	Ansha	Ansha	Ansha	Ansha
5.	Gopika SM	Gopika	Gopika	Gopika	Gopika
6.	Hephziba Tom	Hephziba	Hephziba	Hephziba	Hephziba
7.	Hudya Kariakose	Hudya	Hudya	Hudya	Hudya
8.	Jini Jiji	Jini	Jini	Jini	Jini
9.	Liya Merin Paul	Liya	Liya	Liya	Liya
10.	Mania M. Raju	Mania	Mania	Mania	Mania
11.	Mehar Jan Shaw	Mehar	Mehar	Mehar	Mehar
12.	Merinose M.T	Merinose	Merinose	Merinose	Merinose
13.	Mizwa T.P	Mizwa	Mizwa	Mizwa	Mizwa
14.	Nihma A	Nihma	Nihma	Nihma	Nihma
15.	S. Farhana	Farhana	Farhana	Farhana	Farhana
16.	Sajeetha Sasi	Sajeetha	Sajeetha	Sajeetha	Sajeetha
17.	Sandra Maniam Thomas	Sandra	Sandra	Sandra	Sandra
18.	Sandra Susan Sajon	Sandra	Sandra	Sandra	Sandra
19.	Sana Mathow	Sana	Sana	Sana	Sana
20.	Sneha N.S	Sneha	Sneha	Sneha	Sneha
21.	Snigdha Jayaraj	Snigdha	Snigdha	Snigdha	Snigdha
22.	Sneekotshmi	Sneekotshmi	Sneekotshmi	Sneekotshmi	Sneekotshmi
23.	Sneamol C.R	Sneamol	Sneamol	Sneamol	Sneamol
24.	Vaishnavi.S	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi

PRINCIPAL	DEU Convener	DEU Secretary




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## BROCHURE

  
**ST GREGORIOS DENTAL COLLEGE**  
CHELAD

**ORGANIZED BY**  
DEPARTMENT OF BIOCHEMISTRY & DEPARTMENT OF PHYSIOLOGY  
DENTAL EDUCATION UNIT

**DIET AND  
AUTOIMMUNE DISEASES**

II YEAR BDS students

Resource Person  
**MS JOSNA**

**APRIL 04 - 07, 2022**  
**VENUE: 1ST YEAR CLASS ROOM**  
**PHYSIO-BIOCHEM LAB**



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## CERTIFICATE

**ADD-ON COURSE**

**ST. GREGORIOS DENTAL COLLEGE**  
CHELAD

Dental Education Unit and Department of Physiology and Biochemistry

*Diet & Autoimmune Disease*

This is presented to :  
*Abhaya K. S*

for successfully completing 30 hours of the add-on course entitled DIET AND AUTOIMMUNE DISEASE  
from *4.4.22* to *7.4.22* conducted by the Dental Education Unit and the Department of  
Physiology and Biochemistry.

**PROF. DR. JAIN MATHEW**  
Principal

**DR. ALLU BABY**  
DEU Convener

**MS. JITHA K. S.**  
Coordinator



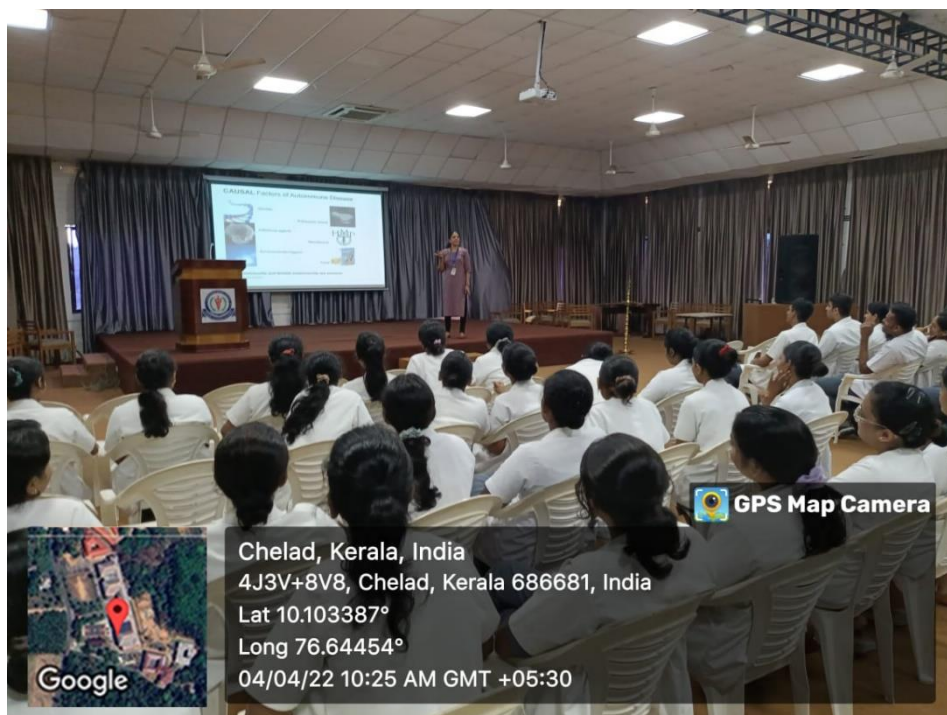
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## PHOTOS



PHOTOGRAPHS OF ADD ON COURSE- 'DIET AND AUTOIMMUNE DISEASE'



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## CONSCIOUS SEDATION

From

Head of the Department

Department of Prosthodontics and Crown and Bridge

St. Gregorios Dental College, Chelad

To

The Principal

St. Gregorios Dental College, Chelad

Subject: Request letter for conducting CONSCIOUS SEDATION certificate program for final year Part 1 and Part 2 students.

Respected Sir,

We are planning to conduct an add on course for final year part 1 and 2 students on the topic entitled CONSCIOUS SEDATION on 06/04/2022 - 08/04/2022 in the college auditorium.

Details of the program are enclosed here for your reference.

Requesting you to kindly give us permission and guide us to conduct the program.

Thanking you,

Yours sincerely'

A handwritten signature in black ink, appearing to read 'George Francis', with a stylized flourish at the end.

Dr. George Francis

Professor and Head of the Department

Department of Prosthodontics and Crown and Bridge



**ST. GREGORIOS DENTAL COLLEGE**

**CHELAD, KOTHAMANGALAM**

SGDC/ADD/004/2022

04/04/2022

**CIRCULAR**

Subject: Certificate course on Conscious Sedation for Final year Part 1 and 2 students.

This is to inform you that an add on course for Final Year Part 1 and 2 students is being organised by the Department of Prosthodontics and Crown and Bridge on topic entitled Conscious Sedation from 6/4/2022 -9/4/2022 in the college auditorium

For further reference reach out to Dr. Paul Kariyatty



**PRINCIPAL**

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**PRINCIPAL**  
St. Gregorios Dental College  
Kerala - 686 681



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## **DEPARTMENT OF PROSTHODONTICS AND CROWN AND BRIDGE**

### **CONSCIOUS SEDATION**

Venue: St. Gregorios Dental College

Date/time: 06/04/2022 - 09/04/2022

#### **Course syllabus:**

Conscious Sedation

#### **Preamble:**

In this comprehensive, inclusive course on conscious sedation in dentistry, participants will learn the basic principles and practices of sedation techniques that enhance patient comfort and alleviate anxiety during dental procedures. The theoretical lectures, demonstrations, and hands-on instruction blend to give attendees a full understanding of the different modalities of sedation, the indications and contraindications of their use, and the protocols for their safe administration. This course has placed the highest emphasis on patient safety and the observance of regulations for dental practitioners to be informed and competent in managing sedation, ensuring the best possible outcomes and patient satisfaction.

#### **Rationale of the course:**

The need for this course in dental conscious sedation can be very important in trying to alleviate anxiety in patients and in the acceptance of treatment. It equips dental practitioners with techniques of sedation that are safe and efficient, enabling them to provide good care to a wider group of patients, including those with special needs. Ultimately, it advances capabilities of practice, fosters care centered around the patient, and improves general outcomes of treatment and patient satisfaction.

#### **Aim:**

It will give the dental practitioner knowledge and skills in the safe and effective delivery of sedation techniques that will build on practice capabilities, improve patient care, and treatment outcomes by reducing patient anxiety and facilitating treatment acceptance.

**Eligible participants:** Final year Part 1 and Part 2 students

**Course duration:** Total 30 hours

**Mode of delivery:** Offline mode

**Course coordinator:** Dr. Paul Kariyatty

**Course faculty:** Dr Kavitha Kumar MDS



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## COURSE SCHEDULE

**DAY 1: 06/04/2022**

<b>MODULE 1: INRODUCTION TO CONSCIOUS SEDATION</b>		
Historical Overview	Dr. Kavitha Kumar	8:00am – 9:00am
Importance in Modern Dental Practice	Dr. Kavitha Kumar	9:00am – 10:00am
Legal and Regulatory Considerations	Dr. Kavitha Kumar	10:00am – 10:30am

<b>MODULE 2: PATIENT ASSESSMENT AND SELECTION</b>		
Medical History Evaluation	Dr. Kavitha Kumar	10:30am – 11:00am
ASA Physical Status Classification	Dr. Kavitha Kumar	11:00am – 11:30am
Risk Assessment and Patient Selection Criteria	Dr. Kavitha Kumar	11:30am – 12:00pm

<b>MODULE 3: PHARMACOLOGY OF SEDATIVE AGENTS</b>		
Classification of Sedatives	Dr. Kavitha Kumar	12:00 – 12:30pm
Mechanisms of Action	Dr. Kavitha Kumar	12:30 – 1:30pm
Pharmacokinetics and Pharmacodynamics	Dr. Kavitha Kumar	1:30 – 2:00pm

<b>MODULE 4: ANXIETY MANAGEMENT TECHNIQUES</b>		
Non-Pharmacological Methods	Dr. Kavitha Kumar	2:30 – 3:30pm
Behavior Management Strategies	Dr. Kavitha Kumar	3:30 – 4:00pm
Communication Skills	Dr. Kavitha Kumar	4:00 – 4:30pm



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## DAY 2: 07/04/2022

<b>MODULE 5: NITROUS OXIDE SEDATION</b>		
Indications and Contraindications	Dr. Kavitha Kumar	8:00 – 9:00am
Administration Techniques	Dr. Kavitha Kumar	9:00 – 9:30am
Monitoring and Management of Side Effects	Dr. Kavitha Kumar	9:30 – 10:30am

<b>MODULE 6: ORAL SEDATION</b>		
Pharmacological Agents Used	Dr. Kavitha Kumar	10:30am – 11:00am
Dosage Calculation and Administration	Dr. Kavitha Kumar	11:00am – 11:30am
Patient Monitoring and Safety Protocols	Dr. Kavitha Kumar	11:30am – 12:00pm

<b>MODULE 7: INTRAVENOUS SEDATION</b>		
Equipment and Setup	Dr. Kavitha Kumar	12:00 – 12:30pm
Sedative Agents and Combinations	Dr. Kavitha Kumar	12:30 – 1:00pm
Intravenous Access and Techniques	Dr. Kavitha Kumar	1:00 – 1:30pm

<b>MODULE 8: SEDATION MONITORING AND EMERGENCY PREPAREDNESS</b>		
Vital Signs Monitoring	Dr. Kavitha Kumar	2:30 – 3:00pm
Sedation Depth Assessment	Dr. Kavitha Kumar	3:00 – 3:30pm
Recognition and Management of Complications	Dr. Kavitha Kumar	3:30 – 4:30pm

## DAY 3: 08/4/2022

<b>MODULE 9: PEDIATRIC SEDATION</b>		
Child Psychology and Behavior	Dr. Kavitha Kumar	9:00am – 10:00am
Pediatric Sedative Agents	Dr. Kavitha Kumar	10:00am – 11:00pm
Pediatric Sedative Dosages	Dr. Kavitha Kumar	11:00pm – 12:00pm
Techniques for Pediatric Sedation Administration.	Dr. Kavitha Kumar	12:00pm – 1:00pm



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<b>MODULE 10: SPECIAL CONSIDERATIONS: GERIATRIC AND MEDICALLY COMPROMISED</b>		
Age-related Changes and Considerations	Dr. Kavitha Kumar	1:30pm – 2:30pm
Management of Coexisting Medical Conditions	Dr. Kavitha Kumar	2:30pm – 3:30pm
Adjustments in Sedation Protocols	Dr. Kavitha Kumar	3:30 – 4:30pm

**DAY 4: 09/04/2022**

<b>MODULE 11: PATIENT RECOVERY AND DISCHARGE PROTOCOLS</b>		
Post-Sedation Monitoring	Dr. Kavitha Kumar	9:00am – 9:30am
Postoperative Instructions and Follow-up	Dr. Kavitha Kumar	9:30am – 10:00am

<b>MODULE 12: SEDATION RELATED LEGAL AND ETHICAL ISSUES</b>		
Informed Consent Process	Dr. Kavitha Kumar	10:00 – 10:30am
Documentation and Record-Keeping	Dr. Kavitha Kumar	10:30 – 11:00am
Professional Guidelines and Standards	Dr. Kavitha Kumar	11:00 – 11:30am

<b>MODULE 13: SEDATION AND HANDS ON TRAINING</b>		
Simulated Sedation Scenarios	Dr. Kavitha Kumar	11:30 - 1:00pm
Practical Skill Development in Sedative Administration	Dr. Kavitha Kumar	1:30 – 3:00pm
Role-Playing Exercises for Effective Communication	Dr. Kavitha Kumar	3:00 – 4:00pm



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## **POST EVENT REPORT**

The course entitled “Conscious Sedation” conducted at St. Gregorios Dental College April 6<sup>th</sup> to April 9<sup>th</sup> 2022, aimed to provide the participants with a broad-based understanding of the conscious sedation techniques in dental practice. The course covered all the important areas in the pharmacology of sedative agents, patient assessment, and the various modalities of sedation techniques: inhalation, oral, and intravenous sedation. Through interactive workshops and case studies, the course was conducted by Dr Kavitha Kumar MDS, allowing participants to acquire hands-on skills and gain valuable insight into complication and emergency handling. At the end of the course, the participants were equipped with the knowledge and confidence to employ conscious sedation safely and effectively in their dental practice for added patient care and comfort. The course was attended by final year Part 1 and 2 students from St. Gregorios Dental College with a keen interest in getting to know more about conscious sedation. Continuous feedback was solicited from participants through interactive sessions and post-event surveys.

The course received positive feedback from the participants along with suggestions for future topics. Areas of interest were noted for consideration in planning subsequent educational events. Certificates of attendance were distributed to participants in recognition of their participation in the course.



# ST.GREGORIOS DENTAL COLLEGE

UNDER THE MANAGEMENT OF MJSCE TRUST, PUTHENCRUZ

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

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## **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

### **4. Instructors and Facilitators:**

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



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- 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?

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?

- Yes
- 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. Paul Kariyatty

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## **FEEDBACK ANALYSIS**

During the Conscious Sedation Course, the feedback analysis showed an overwhelming response from participants. The majority of attendees praised the comprehensive coverage of topics covered during lectures and especially appreciated the pharmacology content explained in an easy-to-understand manner and the workshops. It was expressed that the faculty was highly knowledgeable and that a good interactive format promoted effective learning. Some recommended that certain workshops be extended, and there should be more case studies for discussion. Generally, the course received high marks on all aspects regarding relevance, organization, and practical applicability; many expressed newfound confidence in using conscious sedation techniques in their dental practice.



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## ASSIGNMENT

- 1. Which of the following is NOT a commonly used route for administering conscious sedation in dentistry?**
  - a) Oral
  - b) Intravenous
  - c) Intramuscular
  - d) Subcutaneous
- 2. Which sedative agent is commonly used for inhalation sedation in dental procedures?**
  - a) Midazolam
  - b) Diazepam
  - c) Nitrous oxide
  - d) Propofol
- 3. Which of the following is a primary goal of conscious sedation in dentistry?**
  - a) Inducing deep unconsciousness
  - b) Complete immobilization of the patient
  - c) Reducing anxiety and discomfort
  - d) Providing analgesia only
- 4. Which of the following is an essential consideration during patient assessment for conscious sedation?**
  - a) Past dental treatment history only
  - b) Medical history, including allergies and current medications
  - c) Blood pressure monitoring during the procedure only
  - d) Previous experience with conscious sedation
- 5. Which monitoring parameter is crucial for ensuring the safety of patients undergoing conscious sedation?**
  - a) Heart rate
  - b) Skin temperature
  - c) Vision acuity
  - d) Taste perception
- 6. What is the reversal agent for benzodiazepines commonly used in conscious sedation?**
  - a) Naloxone
  - b) Flumazenil
  - c) Atropine
  - d) Physostigmine



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- 7. Which of the following is a potential complication of conscious sedation?**
  - a) Increased salivation
  - b) Hypertension
  - c) Bradycardia
  - d) Hyperventilation
- 8. What is the recommended fasting period before administering conscious sedation to reduce the risk of aspiration?**
  - a) 2 hours for clear liquids, 4 hours for light meals
  - b) 4 hours for clear liquids, 6 hours for light meals
  - c) 6 hours for all types of food and drink
  - d) No fasting period is required for conscious sedation.
- 9. What is the minimum level of training required for dental practitioners to administer conscious sedation in most jurisdictions?**
  - a) Completion of a weekend course
  - b) Basic life support certification only
  - c) Advanced cardiac life support certification
  - d) Formal training and certification in conscious sedation techniques
- 10. Which regulatory body typically oversees the guidelines and regulations regarding conscious sedation in dentistry?**
  - a) American Dental Association (ADA)
  - b) World Health Organization (WHO)
  - c) Food and Drug Administration (FDA)
  - d) International Association for Dental Research (IADR)



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## **Answer key:**

1. d) Subcutaneous
2. c) Nitrous oxide
3. c) Reducing anxiety and discomfort
4. b) Medical history, including allergies and current medications
5. a) Heart rate
6. b) Flumazenil
7. c) Bradycardia
8. c) 6 hours for all types of food and drink
9. d) Formal training and certification in conscious sedation techniques
10. a) American Dental Association (ADA)



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## ATTENDANCE LIST



### ST. GREGORIOS DENTAL COLLEGE, CHELAD

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

TOPIC: CONSCIOUS SEDATION

Sl no.	Name of participant	06/04/22 Day 1	07/04/22 Day 2	08/04/22 Day 3	09/04/22 Day 4
	Treasa Elizabeth	Treasa	Treasa	Treasa	Treasa
	Amelia Mariya	Amelia	Amelia		Amelia
	JIA MIRIA GEORGE	JIA	JIA	JIA	JIA
	Althaya Elizabeth Kurer	Althaya	Althaya	Althaya	Althaya
	Amalabini M.S	Amal	Amal	Amal	
	Jose Jiju Anvaran	Jose Jiju	Jose Jiju	Jose Jiju	Jose Jiju
	Sarah Varghese	Sarah	Sarah	Sarah	Sarah
	Archa G Math	Archa	Archa	Archa	
	Mababakalstomi	Mababakal	Mababakal	Mababakal	Mababakal
	Anna K Chever	Anna	Anna	Anna	Anna
	Richa Sara Eily	Richa	Richa		Richa
	Anni Mathew Jasty	Anni	Anni	Anni	Anni
	Angeline Mathew	Angeline	Angeline	Angeline	Angeline
	Ciby Abraham	Ciby	Ciby	Ciby	Ciby
	Akhil Varghese	Akhil	Akhil	Akhil	Akhil
	Praya Baby	Praya	Praya	Praya	Praya
	Ruth Rachel Roy	Ruth	Ruth	Ruth	Ruth
	Divya Mary Philip	Divya	Divya	Divya	Divya
	Cecilia E Eney	Cecilia	Cecilia	Cecilia	Cecilia
	Johan V Zachariah	Johan	Johan	Johan	Johan
	Nildy Petra	Nildy	Nildy	Nildy	Nildy
	Marie Benny	Marie	Marie	Marie	Marie
	Rajul David	Rajul	Rajul	Rajul	Rajul
	MARIA RANI THOMAS	MARIA	MARIA	MARIA	MARIA
	Annis B Manullil	Annis	Annis	Annis	Annis

PRINCIPAL	DEU Convenor	DEU Secretary



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TOPIC: CONSCIOUS SEDATION

Sl no.	Name of participant	Day 1	Day 2	Day 3	Day 4
	Sheetal K Subramanian	Sheetal	Sheetal	Sheetal	Sheetal
	Sasanna Johnson	Sasanna	Sasanna	Sasanna	Sasanna
	Alshara T.k	Alshara	Alshara	Alshara	Alshara
	GEORGE BIJU	Georg	Georg	Georg	Georg
	Athira P Pisharody	AP	AP	AP	AP
	Ajika Dhanan Binu	Ajika	Ajika	Ajika	Ajika
	Ayabath kalyathil	Ayabath	Ayabath	Ayabath	Ayabath
	Reenu Ann Rand	Reenu	Reenu	Reenu	Reenu
	Jithin Saji	Jithin	Jithin	Jithin	Jithin
	Akshathi Sunil	Akshathi	Akshathi	Akshathi	Akshathi
	Anitta Mathew	Anitta	Anitta	Anitta	Anitta
	AKSHAYA P.R	Akshaya	Akshaya	Akshaya	Akshaya
	Anisha Rachel	Anisha	Anisha	Anisha	Anisha
	Elbe Jacob	Elbe	Elbe	Elbe	Elbe
	Anya Geetha	Anya	Anya	Anya	Anya
	Abhin Joy	Abhin	Abhin	Abhin	Abhin
	Anvitha Lijaleth	Anvitha	Anvitha	Anvitha	Anvitha
	Jeff Jacob	Jeff	Jeff	Jeff	Jeff
	Hirsh Mary Saji	Hirsh	Hirsh	Hirsh	Hirsh
	Govu Lakshmi	Govu	Govu	Govu	Govu
	Hanna Mary Eldho	Hanna	Hanna	Hanna	Hanna
	Alex Mathew	Alex	Alex	Alex	Alex
	Anesta Anna	Anesta	Anesta	Anesta	Anesta
	Anaema U Raj	Anaema	Anaema	Anaema	Anaema
	Abhley Eldho	Abhley	Abhley	Abhley	Abhley

PRINCIPAL	DEU Convenor	DEU Secretary



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TOPIC: CONSCIOUS SEDATION

Sl no.	Name of participant	Day 1	Day 2	Day 3	Day 4
	Manisha Chandrans	Manisha		Manisha	Manisha
	Mariya Elizabeth Sunil	Mariya	Mariya	Mariya	Mariya
	<del>Manisha P R</del>				
	<del>Angel Mary Joseph</del>				
	Sona Rachel Saji	Sona	Sona	Sona	Sona
	Chippy Elizabeth Philip	Chippy	Chippy	Chippy	Chippy
	Vyshali Jayaprakash	Vyshali	Vyshali	Vyshali	Vyshali
	Liji Mariya Joseph	Liji	Liji	Liji	Liji
	Melvin Thomas	Melvin	Melvin	Melvin	Melvin
	S.Mahima Mohandean	S.Mahima	S.Mahima	S.Mahima	S.Mahima
	Hannya Mariya Ay	Hannya	Hannya	Hannya	Hannya
	Seethy v.S	Seethy	Seethy	Seethy	Seethy
	Misha Ann Mathew	Misha	Misha	Misha	Misha
	Rinku C Raju		Rinku	Rinku	Rinku
	Riya V.H		Riya V.H	Riya V.H	Riya V.H

PRINCIPAL	DEU Convenor	DEU Secretary



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## BROCHURE



**ST. GREGORIOS DENTAL COLLEGE**  
CHELAD  
DEPT. OF PROSTHODONTICS & CROWN AND BRIDGE  
DENTAL EDUCATION UNIT

**2022**  
**06-09**  
**APRIL**

# **CONSCIOUS SEDATION**

**ADD-ON COURSE**  
FOR FINAL YEAR PART I & II STUDENTS

**RESOURCE PERSON**  
**DR. KAVITHA KUMAR**



 COLLEGE AUDITORIUM

 8.00 AM - 4.00 PM

Phone : 0485-2572531, 532, 9188952016, 9188952017

Email : [sgdc@rediffmail.com](mailto:sgdc@rediffmail.com), Web : [sgdc.ac.in](http://sgdc.ac.in)





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## CERTIFICATE

**ST. GREGORIOS DENTAL COLLEGE, CHELAD**  
DEPARTMENT OF PROSTHODONTICS AND CROWN AND BRIDGE  
IN ASSOCIATION WITH DENTAL EDUCATION UNIT



### CERTIFICATE OF MERIT

THIS CERTIFICATE IS AWARDED TO

Santhosh George

FOR SUCCESSFULLY COMPLETING 30 HOURS OF ADD ON COURSE ENTITLED  
"CONSCIOUS SEDATION" ORGANISED BY THE DEPARTMENT OF PROSTHODONTICS  
AND CROWN AND BRIDGE IN ASSOCIATION WITH DENTAL EDUCATION UNIT FROM  
6.4.22 TO 9.4.22

PROF. DR. JAIN MATHEW  
PRINCIPAL

DR. KAVITHA KUMAR  
RESOURCE PERSON

DR. ALLU BABY  
CONVENOR, DEU

DR. PAUL KARIYATT  
COURSE COORDINATOR



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## PHOTOS



PHOTOS OF ADD ON COURSE ENTITLED  
CONSCIOUS SEDATION



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## **ENDOCAPSULE- REGENERATIVE ENDODONTICS**

From  
Head of the Department  
Department of Conservative Dentistry and Endodontics  
St. Gregorios Dental College, Chelad


To  
The Principal  
St. Gregorios Dental College, Chelad

Subject: Request letter for conducting ENDOCAPSULE- REGENERATIVE ENDODONTICS for  
Endodontic PG students.

Respected Sir,

We are planning to conduct an add on course for Endodontic PG students from various colleges in  
Kerala entitled 'ENDOCAPSULE- REGENERATIVE ENDODONTICS' from 18.04.2022-  
20.04.2022 at the College Auditorium. Details of the program are enclosed here for your reference.  
Requesting you to kindly give us permission and guide us to conduct the program.

Thanking you,  
Yours sincerely,



Dr. Robin Theruvil  
Professor

Department of Conservative Dentistry and Endodontics

**ST. GREGORIOS DENTAL COLLEGE**

**CHELAD, KOTHAMANGALAM**

SGDC/ADD/005/2022

15/04/2022

**CIRCULAR**

Subject: Certificate course on 'Endocapsule- Reenerative Endodontics' for Endodontic PG students.

This is to inform you that an add on course for Endodontic PG students from various colleges in Kerala is being organized by the Dental Education Unit and the Department of Conservative Dentistry and Endodontics entitled Endocapsule- Reenerative Endodontics from 18.04.2022-20.04.2022 in the seminar hall, Department of Conservative Dentistry and Endodontics.

For further reference reach out to Dr. John Jacob.



**PRINCIPAL**

PRINCIPAL  
St. Gregorios Dental College  
Chelad, Kerala - 686 681

Copy to:

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Office

All departments

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## **DEU AND DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS**

### **ENDOCAPSULE- REGENERATIVE ENDODONTICS**

Venue: St. Gregorios Dental College

Date/time: 18.04.2022-20.04.2022

#### **Course syllabus:**

Regenerative Endodontics.

#### **Preamble:**

Regenerative Endodontics represents a paradigm shift in the field of dental therapy, emphasizing biological approaches to promote healing and tissue regeneration within the dental pulp. This course is designed to equip you with comprehensive knowledge and practical skills to navigate this cutting-edge domain effectively.

#### **Rationale of the course:**

This course in Regenerative Endodontics will prepare dental professionals with the necessary knowledge and skills to tap into the regenerative capacity of dental pulp tissue and offer the least invasive, biologically driven treatment options to patients. It shall update the participants on the latest techniques and materials, enabling them to raise the bar of their practice standards, patient outcomes, and the future of dental care.

#### **Aim:**

This course will achieve its purpose by helping dental practitioners comprehend regenerative endodontic techniques in a manner that provides them with the skills necessary to apply the biological approach in repairing and regenerating the dental pulp for better treatment outcomes.

#### **Eligible participants:**

Endodontic PG students

**Course duration:** Total 30 hours

**Mode of delivery:** Offline mode

**Course coordinator:** Dr. John Jacob

**Course Faculty:** Dr. Prasanth Dhanapal MDS and faculties of Department of Conservative Dentistry and Endodontics



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## COURSE SCHEDULE

### DAY 1: 18/04/2022

<b>MODULE 1 INTRODUCTION TO REGENERATIVE ENDODONTICS</b>		
Overview of Regenerative Endodontics	Dr. Robin Theruvil	8.30am -9.00am
Historical Perspectives	Dr. John Jacob	9.00am-10.00am
Current Challenges and Opportunities	Dr. Allu Baby	10.00am-11.00am

<b>MODULE 2 DENTAL PULP BIOLOGY AND REGENERATION</b>		
Anatomy and Physiology of Dental Pulp	Dr. Prasanth Dhanapal	11.30am -12.30pm
Cellular and Molecular Mechanisms of Regeneration	Dr. Prasanth Dhanapal	12.30am-1.30pm
Factors Influencing Regenerative Potential	Dr. Prasanth Dhanapal	2.30pm-3.30pm

<b>MODULE 3 BIOMATERIALS IN REGENERATIVE ENDODONTICS</b>		
Scaffold Materials for Tissue Engineering	Dr. Prasanth Dhanapal	3.30pm -4.00pm
Bioactive Molecules and Growth Factors	Dr. Prasanth Dhanapal	5.00pm-6.00pm
Biocompatibility and Clinical Considerations	Dr. Prasanth Dhanapal	6.00pm-6.30pm



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## DAY 2: 19/04/2022

<b>MODULE 4 STEM CELL THERAPY IN ENDODONTICS</b>		
Types of Stem Cells and Their Sources	Dr. Prasanth Dhanapal	8.30am -9.00am
Mechanisms of Stem Cell Differentiation	Dr. Prasanth Dhanapal	9.00am-10.00am
Clinical Applications and Case Studies	Dr. Prasanth Dhanapal	10.00am-11.00am

<b>MODULE 5 CLINICAL TECHNIQUES IN REGENERATIVE ENDODONTICS</b>		
Patient Selection and Diagnosis	Dr. Prasanth Dhanapal	11.30am -12.30pm
Treatment Planning and Protocols	Dr. Prasanth Dhanapal	12.30am-1.30pm
Hands-on Training and Simulation Exercises	Dr. Prasanth Dhanapal	2.30pm-3.30pm

<b>MODULE 6 REGENERATIVE PROCEDURES IN IMMATURE TEETH</b>		
Indications and Challenges in Immature Teeth	Dr. Prasanth Dhanapal	3.30pm -4.00pm
Apexogenesis and Apexification Techniques	Dr. Prasanth Dhanapal	5.00pm-6.00pm
Clinical Outcomes and Long-term Management	Dr. Prasanth Dhanapal	6.00pm-6.30pm





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## DAY 3: 20/04/2022

<b>MODULE 7 REGENERATIVE PROCEDURES IN MATURE TEETH</b>		
Revascularization Techniques	Dr. Jesline Maria Jose	8.30am -9.00am
Pulpal Revascularization vs. Traditional Endodontic Therapy	Dr. Asha Pious	9.00am-10.00am
Clinical Success Rates and Follow-up Protocols	Dr. Midhun Paul	10.00am-11.00am

<b>MODULE 8 ADVANCES IN REGENERATIVE ENDODONTICS</b>		
Emerging Technologies and Innovations	Dr. Prasanth Dhanapal	11.30am -12.30pm
Future Directions and Research Frontiers	Dr. Prasanth Dhanapal	12.30am-1.30pm
Ethical and Regulatory Considerations	Dr. Prasanth Dhanapal	2.30pm-3.30pm

<b>MODULE 9 CASE STUDIES AND CLINICAL INTEGRATION</b>		
Case Presentations and Analysis	Dr. Prasanth Dhanapal	3.30pm -4.00pm
Treatment Planning Exercises	Dr. Prasanth Dhanapal	5.00pm-6.00pm
Interactive Discussions and Peer Learning Opportunities	Dr. Prasanth Dhanapal	6.00pm-6.30pm



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## **POST EVENT REPORT**

The course entitled 'ENDOCAPSULE- REGENERATIVE ENDODONTICS' conducted at St. Gregorios Dental College from April 18<sup>th</sup> - 20<sup>th</sup>, 2022, aimed to provide dental practitioners with in-depth knowledge and practical skills in harnessing regenerative techniques for dental pulp tissue healing. The course spanned nine modules, covering topics from foundational principles to advanced clinical applications.

The program was attended by post-graduate students from the Department of Conservative Dentistry and Endodontics of various dental colleges in Kerala. During the Regenerative Endodontics Course, participants were treated to a series of dynamic lectures delivered by esteemed experts in the field. Valuable insights were gained into factors that influence the potential of dental pulp for regeneration, including age-related changes and environmental influences to genetic and epigenetic regulation. Moreover, the recent progress in biomaterials science, focusing on scaffold materials, bioactive molecules, and growth factors that are promising toward enhancing regenerative outcomes in endodontic therapy, was presented.

Case studies formed part of the course, allowing the participants to map out, within real clinical scenarios, theory into practice. Attendees were put to task through a number of well-chosen cases to analyze different patient presentations, determine goals of treatment, and develop evidence-based strategies for management.



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## **FEEDBACK FORM**

### 1. Overall Satisfaction:

- Extremely Satisfied
- Very Satisfied
- Somewhat Satisfied
- Not Satisfied

### 2. Content Relevance:

- Highly Relevant
- Relevant
- Somewhat Relevant
- Not Relevant

### 3. Quality of Presentations:

- Excellent
- Good
- Fair
- Poor

### 4. Case Studies and Clinical Integration Experience:

- Excellent
- Good
- Fair
- Poor



# ST.GREGORIOS DENTAL COLLEGE

UNDER THE MANAGEMENT OF MJSCE TRUST, PUTHENCRUZ

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

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## 5. Organization and Logistics:

- Excellent
- Good
- Fair
- Poor

## 6. Faculty Expertise and Interaction:

- Excellent
- Good
- Fair
- Poor

7. What aspects of the event did you find most beneficial?

8. Were there any topics or areas that you felt could have been covered in more detail?

9. Did you find the hands-on workshops helpful in enhancing your practical skills?

10. How would you rate the overall organization and logistics of the event?

11. Do you have any suggestions for improving future events or topics you would like to see covered in similar workshops?

## Additional Comments:

12. 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. John Jacob.



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## **FEEDBACK ANALYSIS**

The students highly rated the Regenerative Endodontics Course in terms of relevance of content and quality and clarity of presentation. The presenters did a great job of time management so that topics were fully covered without feeling rushed. Some few students reported occasional technical fouls during presentations that, for a short period, put a damper on the session flow. Case discussions, however, were lively and enlightening with practicable exposure to real-life scenarios. Overall, the students complimented the course for its educational value and the skillful delivery of the content and interactive sessions.



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## ASSIGNMENT

- 1. What is the primary objective of regenerative endodontic procedures?**
  - A) Complete removal of infected pulp tissue
  - B) Preservation of pulp vitality and promotion of tissue regeneration
  - C) Extraction of the affected tooth
  - D) Application of antibiotics to treat infection
- 2. Which of the following is a cellular component of dental pulp?**
  - A) Enamel
  - B) Cementum
  - C) Fibroblasts
  - D) Dentin
- 3. What role do stem cells play in regenerative endodontics?**
  - A) They stimulate inflammation
  - B) They differentiate into odontoblasts and promote dentin formation
  - C) They inhibit tissue regeneration
  - D) They are not involved in the process
- 4. Which type of stem cells are commonly used in regenerative endodontic procedures?**
  - A) Hematopoietic stem cells
  - B) Mesenchymal stem cells
  - C) Neural stem cells
  - D) Embryonic stem cells
- 5. What is the purpose of scaffold materials in tissue engineering?**
  - A) To remove infected tissue
  - B) To provide structural support and guide tissue growth
  - C) To induce inflammation
  - D) To inhibit stem cell differentiation
- 6. Which factor influences the regenerative potential of dental pulp?**
  - A) Age-related changes
  - B) Environmental factors
  - C) Genetic regulation
  - D) All of the above



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- 7. What is apexogenesis in regenerative endodontics?**
- A) Complete removal of the pulp
  - B) Preservation of pulp vitality and continued root development in immature teeth
  - C) Extraction of the tooth
  - D) Formation of apical lesions
- 8. What is the primary purpose of clinical case discussions in regenerative endodontics courses?**
- A) To entertain participants
  - B) To highlight rare cases
  - C) To apply theoretical knowledge to real-world scenarios
  - D) To discourage participation
- 9. Which of the following statements about regenerative endodontics is true?**
- A) It primarily focuses on tooth extraction
  - B) It aims to preserve natural tooth structure and function
  - C) It has no clinical applications
  - D) It is only applicable to fully mature teeth
- 10. What should be the outcome of successful regenerative endodontic treatment?**
- A) Absence of any healing response
  - B) Continued inflammation
  - C) Preservation of natural tooth structure and function
  - D) Rapid tooth extraction



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## **Answer key:**

1. B) Preservation of pulp vitality and promotion of tissue regeneration
2. C) Fibroblasts
3. B) They differentiate into odontoblasts and promote dentin formation
4. B) Mesenchymal stem cells
5. B) To provide structural support and guide tissue growth
6. D) All of the above
7. B) Preservation of pulp vitality and continued root development in immature teeth
8. C) To apply theoretical knowledge to real-world scenarios
9. B) It aims to preserve natural tooth structure and function
10. C) Preservation of natural tooth structure and function





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## PARTICIPANTS LIST

*Certificate - ENDOCAPSULE*

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1.	DR JERRIN ABRAHAM GEORGE	
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3.	DR ANNMARIYA SUNNY	
4.	DR JIMMY GEORGE	
5.	DR AIDA JAMES	
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7.	DR ALBERT BABY	
8.	DR MARIA THOMAS	
9.	DR SWETHA RIYA OOMMEN	
10.	DR ALEX RAJAN	
11.	DR SANDHYALEKSHMI C.D	
12.	DR SHYMA P	

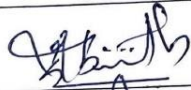

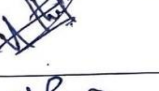






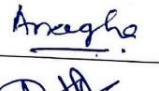






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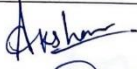



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16.	DR AKTHAR RAMEES	
17.	DR JEWEL MARY JOSE	
18.	DR LEELU J PUTHUMANA	
19.	DR AKHILESH C R	
20.	DR AMJAD MOHAMED	
21.	DR MOHAMED SHAFEEQUE	
AZEEZIA DENTAL COLLEGE		
22.	DR ANAGHA P NAMBIAR	
23.	D PARVATHY SUNNY	
24.	DR RAHUL RADHAKRISHNAN	
25.	DR SRUTHY RAJ S	
26.	DR SWAATHI L VIJAY	



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28.	DR CATHERINE EUGINE	
	<b>PUSHPAGIRI DENTAL COLLEGE</b>	
29.	DR SHEENA S RAJ	
30.	DR SHILPA RAVI	
31.	DR SWATHI SASANKAN	
32.	DR NEFFIN JOSEPH	
33.	DR NISHA SHERIEF	
34.	DR RINSHA E	
	<b>MALABAR DENTAL COLLEGE</b>	
35.	DR AKSHARA E S	
36.	DR JIS JOHN	
37.	DR VINDHUJA V	
	<b>PSM DENTAL COLLEGE</b>	
38.	DR RAIHAN K M	



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40.	DR VEENA M V	
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41.	DR PREETHIKA BABY	
42.	DR ANN DOLLY KURIAKOSE	
43.	DR MINU THOMAS	
<b>MES DENTAL COLLEGE</b>		
44.	DR SIBIN	
45.	DR DEEPTHI	
46.	DR ASWATHI	

MALABAR DENTAL COLLEGE:

47. DR. KRISHNAPRIYA .



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## BROCHURE

  
**ST. GREGORIOS DENTAL COLLEGE**  
CHELAD

DENTAL EDUCATION UNIT

*add-on course*  
**ENDOCAPSULE**

FOR  
POST GRADUATES - ENDODONTICS

  
RESOURCE PERSON  
**DR PRASANTH DHANAPAL**

DEPT. OF CONSERVATIVE & ENDODONTICS

**18-20 APRIL 2022 | SEMINAR HALL**  
**08.00 AM - 04.00 PM**



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## CERTIFICATE





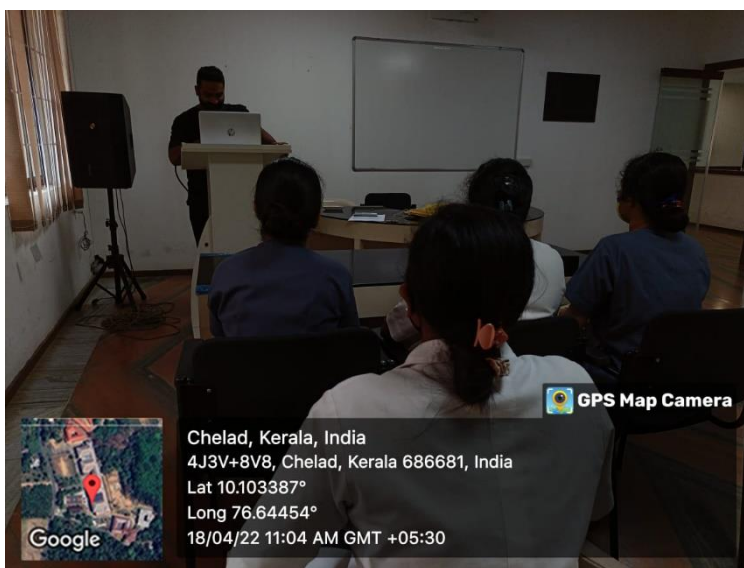
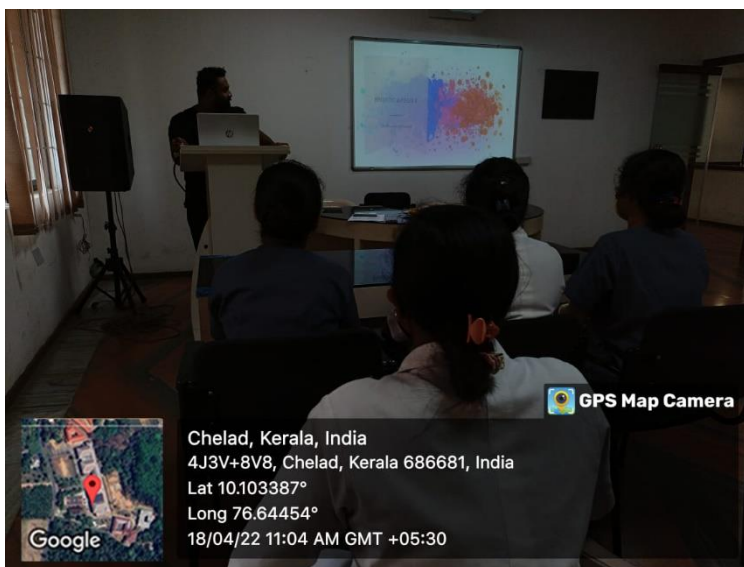
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## PHOTOS



PHOTOGRAPHS OF ADD-ON COURSE- 'ENDOCAPSULE-  
REGENERATIVE ENDODONTICS'