



**SREE BALAJI DENTAL COLLEGE & HOSPITAL**  
Velachery Main Road, Narayanapuram, Chennai 600100



**Annexure 1**

Date: 4.1. 2022

From  
Prof. Dr. Ponnudurai Arangannal  
Professor and Head,  
Department of Pedodontics,  
Sree Balaji Dental College & Hospital,  
Bharath Institute of Higher Education and Research,  
Chennai.

To  
The Dean,  
Bharath Institute of Higher Education and Research,  
Chennai.

**Sub: Permission to conduct value-added course: Certificate program in Nitrous oxide sedation**

Dear Sir,

With reference to the subject mentioned above, the department of Pedodontics proposes to conduct a value added course titled: **Certificate Program in Nitrous oxide sedation** on 14.02.2022. We solicit your kind permission for the same.

Kind Regards,

Dr. Ponnudurai Arangannal

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**FOR THE USE OF DEANS OFFICE**

Names of committee members for evaluating the course:

The Dean : Dr. Raghavendra Jayesh

The HOD: Dr. Ponnudurai Arangannal

The Expert: Dr. Jeevarathan J

The committee has discussed the course and is approved.

Dean

(Sign & Seal)

Subject Expert

(Sign & Seal)

HOD

(Sign & Seal)

**Circular**

4.1.2022

**Sub: Organising Value-added Course: Certificate program in Nitrous oxide sedation**

With reference to the above mentioned subject, it is to bring to your notice that **Sree Balaji Dental College & Hospital, Bharath Institute of Higher Education and Research**, is organizing “**Certificate program in Nitrous oxide sedation**” The course content and registration form is enclosed below.”

The application must reach the institution along with all the necessary documents as mentioned. The hard copy of the application should be sent to the institution by registered/ speed post only so as to reach on or before 18.02.2022. Applications received after the mentioned date shall not be entertained under any circumstances.

Dean

Encl: Copy of Course content and Registration form.

## **Annexure 2 – Course Proposal**

### **NITROUS OXIDE SEDATION**

**Course Title:** Nitrous Oxide Sedation

**Course Objective:** This program is designed to provide an overview of Nitrous oxide sedation in pediatric dentistry along with hands-on training illustrated by the best in the field for a greater understanding of the undergraduate and postgraduate participants. The course will give a complete knowledge on the science behind nitrous oxide sedation along with clinical tips to excel in the same.

**Course Outcome:** At the end of the course, the candidates will be able to understand the need for nitrous oxide sedation in pediatric and general dentistry. They will be evaluated based on the feedback form given to them after the completion of the course.

**Course Audience:** Postgraduates and Undergraduates

**Course Coordinator:** Dr. Ponnudurai Arangannal, MDS, Head of the Department

**Course Faculty:**

Dr. Jeevarathan J, MDS, Professor

Dr. Aarthi J, MDS, Reader

Dr. Amudha S, MDS, Reader

Dr. Vijayakumar, MDS, Reader

Dr. Ramya Chellamal, MDS, Senior Lecturer

Dr. Janani Vinodhini, MDS, Senior Lecturer

Dr. Madhumitha, MDS, Senior Lecturer

**Course Curriculum/Topics with schedule (Min of 30 hours)**

S.No	Date	Topic	Time	Hours
1.	14-02-2022	Introduction to sedation, Different routes of sedation	3.00-4.00 pm	1
2.	16-02-2022	History and evolution of nitrous oxide sedation Pain and Anxiety Management	3.00-5.00 pm	2
3.	21-02-2022	Characteristics, Pharmacokinetics and Pharmacodynamics of Nitrous oxide	3.00-4.30 pm	1 hour 30 minutes
4	23-02-2022	Manufacturing and Distribution of N <sub>2</sub> O and O <sub>2</sub> gases	3.00-4.00 pm	1
5	28-02-2022	Sedation unit, its types, features and nasal hoods	3.00-5.00 pm	2
6	02-03-2022	Anatomy and Physiology of Respiratory system in pediatric and adult patients	12.00-1.30 pm	1 hour 30 minutes
7	<b>07-03-2022</b>	Nitrous oxide and its Interaction with the body	3.00-4.00 pm	1
8	<b>07-03-2022</b>	Patient Assessment and Preprocedural fasting guidelines	4.00-5.00 pm	1
9	<b>14-03-2022</b>	Titration of N <sub>2</sub> O and O <sub>2</sub> gases	11.00-12.00	1
10	<b>14-03-2022</b>	Signs and symptoms of oversedation, under sedation and right sedation	12.00-1.30 pm	1 hour 30 minutes
11	<b>16-03-2022</b>	Technique of administration of N <sub>2</sub> O and O <sub>2</sub>	3.00-5.00 pm	2
12	<b>23-03-2022</b>	N <sub>2</sub> O Sedation in Pediatric dentistry	3.00-5.00 pm	2
13	<b>28-03-2022</b>	Potential hazards of N <sub>2</sub> O for health professionals	3.00-4.00 pm	1
14	<b>28-03-2022</b>	Ethical and Legal considerations of N <sub>2</sub> O and O <sub>2</sub> sedation	4.00-5.00 pm	1
15	<b>04-04-2022</b>	Demonstration of the equipment and its parts	3.00-5.30	2 hours 30 minutes
16	<b>06-04-2022</b>	N <sub>2</sub> O Sedation in Pediatric patients of various age groups	3.00 -5.30	2 hours 30 minutes
17	<b>11-04-2022</b>	N <sub>2</sub> O Sedation in Pediatric patients of various age groups	3.00-5.00 p m	2 hours
18	<b>18-04-2022</b>	N <sub>2</sub> O Sedation in adult patients	3.00-5.30 pm	2 hours 30 min
19	<b>20-04-2022</b>	N <sub>2</sub> O Sedation in adult patients	3.00-5.00 pm	2 hours
20	<b>20-04-2022</b>	Candidate feedback form	5.00-5.30 pm	30 minutes

**REFERENCE BOOKS: (Minimum 2)**

- 1. Palliative Care Consultations in Advanced Breast Cancer (Palliative Care Consultations) Sara Booth, Helena Earl**
- 2. Improving Palliative Care: We Can Take Better Care of People With Cancer National Research Council**

**Annexure 3**

**Bharath Institute of Higher Education and Research**

Sree Balaji Dental College and Hospital

Participant list of Value added course: **Certificate program in Nitrous oxide sedation**

**14.2.2022 - 20.4.2022**

S.No	REGISTER NUMBER	STUDENT NAME	REMARKS
1.	P18MDO01	SHERENE CHRISTINA ROSHINI	
2.	P18MD002	SRIDEVI	
3.	P18MD003	SUDAKSHINA MUKERJHEE	
4.	P18MD004	AAFIYA RESHMA	
5.	P18MD005	HARIHARAN	
6.	P18MD006	RYHANATH GULSHAN BEGUM	
7.	P18MD007	NISHANTH	
8.	P18MD008	SANGEETHA PRIYA	
9.	P18MD009	SANJAY	
10.	P18MD010	ARUN	
11.	P18MD011	KOWSALYA	
12.	P18MD012	SONA	
13.	P18MD013	HEPSIBAH	
14.	P18MD014	WASIM AKRAM	
15.	P18MD015	KARTHICK	

**Annexure 4**

**Course/Training Feedback Form**

**Course feedback form**

**Course Title:** Nitrous oxide sedation

**Date:** 14.2.2022 - 20.4.2022

**Name:**

**Reg no:**

1 : please rate your overall satisfaction with format of the course

a. Excellent b. Very good c. Satisfactory d. Unsatisfactory

2: please rate course notes

a. Excellent b. Very good c. Satisfactory d. Unsatisfactory

3: the lecture sequence was well planned

a. Excellent b. Very good c. Satisfactory d. Unsatisfactory

4: the lectures were clear and easy to understand

a. Excellent b. Very good c. Satisfactory d. Unsatisfactory

5: please rate the quality of pre course administration and information

a. Excellent b. Very good c. Satisfactory d. Unsatisfactory

6: any other suggestion

Thank you for taking the time to complete this survey , your comments are much appreciated.

Name :

Signature

**Comments:**

**Thank you for taking the time to complete this survey, your comments are much appreciated.**

**Annexure 5**

15.5.22

From  
Dr. Ponnudurai Arangannal  
Professor and Head,  
Department of Pedodontics,  
Sree Balaji Dental College & Hospital,  
Bharath Institute of Higher Education and Research,  
Chennai.

To  
The Dean,  
Bharath Institute of Higher Education and Research,  
Chennai.

**Sub: Completion of value-added course: “Nitrous oxide sedation”**

Dear Sir,

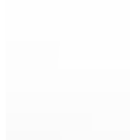
With reference to the subject mentioned above, the department has conducted the value-added course titled: **Short course on “Nitrous oxide sedation” from 14.2.2022 - 20.4.2022**. We solicit your kind action to send certificates for the participants, that are attached with this letter. Also, I am attaching the photographs captured during the conduct of the course.

Kind Regards

Dr.Ponnudurai Arangannal

**Encl: Certificates**

**Annexure 6 - SAMPLE CERTIFICATE TO BE ATTACHED**



**Bharath**  
INSTITUTE OF HIGHER EDUCATION AND RESEARCH  
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)  
ACCREDITED WITH 'A' GRADE BY NAAC



DEPARTMENT OF PEDODONTICS AND PREVENTIVE DENTISTRY  
SREE BALAJI DENTAL COLLEGE AND HOSPITAL  
VALUE ADDED COURSE

**CERTIFICATE OF APPRECIATION**

This is to certify that

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Has actively participated in the value added course for  
Nitrous oxide sedation  
Organised by Department of Pedodontics

Dr. Raghavendra Jayesh  
Principal

Dr. Ponnudurai Arangannal  
Organizing Secretary