

**PROPOSED TIME TABLE FOR FELLOWSHIP IN MYOFUNCTIONAL
INTERCEPTIVE AND BIOFUNCTIONAL THERAPY**

FACULTIES FOR THE SESSION

1. Pedodontist –

Prof. Dr Joby Peter, MDS

Prof and Head,
Department of Paediatric and Preventive Dentistry
Annoor Dental College and Hospital, Kerala
Head of Academics, Online Dentistry, Kerala.

2. Orthodontist –

Dr Binu T Abraham,

Chief Dental Surgeon
Kerala Dental Clinic, Kerala

3. ENT Surgeon –

Dr Varun Rai MBBS, DNB (ENT)

Consultant,
Department of Ent
Sir Ganga Ram Hospital, Delhi

Dr Sanu P Moideen

MBBS, MS (ENT), DNB (ENT), FHNOS Fellowship in Head and Neck Oncosurgery
(RCC, Trivandrum) Fellowship in Obstructive Sleep Apnea Surgery (IASSA),
Speciality training in Pediatric ENT (CMC Vellore & Texas Children's Hospital,USA)

4. Pulmonologist –

Dr Shine Shukoor Rasheed, MD, FCCP,

Kinder Multispecialty Hospital, Kerala

5. Audiologist and Speech languagepathologist

Ahana Cleetus, MASLP

Speech Pathologist, Rajagiri Group of Hospitals, Kerala

6. International Guest Faculty-

Dr Jeffrey A. Dean, DDS, MSD, FFD (Hon) RCSI

Professor of Pediatric Dentistry and Orthodontics,
Indiana University School of Dentistry,
Riley Hospital for Children in Indianapolis.

Dr Ganasalingam Sockalingam, BDS, MSC, FDSRCS(Eng),FAMM

Paediatric Dentistry Department,
Manipal University College, Melaka

Please Note:

- ↓ Each Module is spaced with a gap of 3 months
- ☐ Exact Details of Dates will be announced through flyers

This fellowship program is done in Association with Faculties from Annoor Dental College and Hospital, Muvattupuzha, Kerala, Faculties from Online Dentistry, Aluva, Kerala, Kinder Multispecialty Hospital Kerala, Rajagiri group of Hospitals, Kerala, HarleyInternational Medical Center, Dubai and Sir Gangaram Hospital, New Delhi, India.

All candidates will given 15 to 20 cases of various conditions and full planning of treatment, lab prescription, delivery of appliance, follow ups, and assisting for various cases in the clinical posting.

Note: Each module is of 3 days and every quarter one offline module will be there. Online module is of 36 hours split into 18 days with 2-hour session per day. Online module includes live zoom session, recorded video with quiz to finish and submission of assignment, case discussion, Library dissertation work, journal club presentation.

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PROPOSED IN CAMPUS TIME TABLE

All class starts at 8.30 AM IST to 4 PM IST with two 30 minutes tea snack break and 45minutes lunch break.

All Candidates are required to bring

- Laptop / Pendrive with atleast 8 GB of Free Space
- DSLR (Any model) Camera

MODULE 1: September 2025 : 18 19 20

Day 1:

- Inauguration
- Induction
- Overall view of the course
- Need and purpose of Interceptive Orthodontics (Session 1)
- Need and Purpose of Interceptive Orthodontics (session 2)
- Clinical Relevance of Growth and Development
- Basic Concept/Theories of Growth and Development
- Cephalocoudal growth/Scammons Growth Curve
- Growth Hormone and its significance

CLINICS:

- Basic Photography lecture/Hands on
- Cropping/Editing/Storing/Retrieving
- All candidates to submit full photo records

For better photo quality and documentation it is advisable to have your own DSLR / macro len 100 mm / Ring Flash

Day 2:

- Alginate Impression/Rubber base
- Hands on impression on typhodonts
- Cast pouring/ Base forming
- Submission

(5 Patients will be given for complete record taking Photo/imp/base pouring/ceph/OPG)

SUBMIT: One patient Photo/cast/Ceph/OPG

Day 3:

- Photo analysis
- Ceph Tracing and land marks
- Ceph Composite analysis:
STEINER/JARABAČK/MACNAMARA/JEFFERSON/SASSUONI PLUS.

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MODULE 2: December 2025 : 18 19 20

Day 1

- Overview of module 1
- Submission of assignments
- Case presentation of approved cases: 5
- MODEL Analysis
- OPG analysis
- Ceph analysis: wits appraisal/Jeffersons/Vertical arc/Y axis
- All candidates to trace the last module ceph/ and their own case ceph
- Clinical posting: 5 cases follow up and discussion

Day 2: Sleep study at sleep clinic kinder hospital

- Interceptive management of Non-Skeletal Malocclusion
- Space management
- Space Regainers
- Incisor crowding and its management
- Frenum and its management
- Eruption sequence /non-Eruption and its management
- Clinical posting: 5 case follow ups and discussion

Day 3:

- Clinical Visit/Posting
- Cases in Various stages
- Assignments for next module
- Clinical posting: 5 case follow ups and discussion

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MODULE 3: April 2026 : 02 03 04

Day 1:

- Habit and management
- Case history taking
- Mouth breathing
- Tongue thrusting
- Thumb sucking
- Lip biting and other habits
- ENT : Air way analysis and role of ENT. Visit to KDC, Kizhakkambalam.
- Clinical posting: 5 case follow ups and discussion

Day 2:

- Clinical Postings Present cases
- Habit case analysis
- Expansion in paediatric dentistry
- SME : removable and fixed (quad helix)
- Clinical posting: 5 case follow ups and discussion
- Pulmonologist lecture and visit to kinder hospital.

Day 3:

- RME: role of rapid maxillary expansion: HYRAX AND FAN RME
- Clinical posting: 5 case follow ups and discussion

LAB VISIT: All appliance demonstration and fabrications

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MODULE 4: July 2026 : 23 24 25

Day 1

- Twin block (Mandibular Retrognathism) lecture and case discussion with patent demo and record taking.
- Functional regulator and its clinical application, activation and muscle exercises with clinical management
- Utility arch and its application in pediatric dentistry: hands on demo and case discussion: case for utility arch.
- Clinical posting: 5 case follow ups and discussion.

Day 2

- Lecture: Orthopedic and its clinical application
- Face mask therapy
- Maxillary intrusion splint and head gear therapy
- Clinical posting: 5 case follow ups and discussion
- Cases related to 2x4/ Orthopaedic /Twin block

Day 3

- Lab visit: maxdent: appliance demo/digital
- Library dissertation submission
- College valedictory function and certificate distribution.

Graduation/ defend viva/ case presentation/ MCQ test

Proposed date: January 2027 (dates are subjected to university approval which will be done 6 months prior to the class)

Malaysia DAY 1

- Over view of one year program
- Diagnostic protocol and its revision and clinical application
- How to plan your cases in a practical way
- Buteyko breathing exercises: Clinical demo and training
- Tongue exercises after frenectomy and for correct posture and position
- Myofunctional exercises and its planning
- Newer concepts in early age orthodontics: guest faculty.

Day 2

- Case presentation by the candidates: 5 cases
- Viva voice
- Graduation ceremony and certificate distribution

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Online Module Time Table with Course Content Covered

October 2025 : 16th Thursday 8:30 PM to 9:30 PM IST

Applied Anatomy & genetics: related to interceptive and myofunctional therapy

Applied Physiology: applied aspect to the course

Applied Pathology: applied aspect to the course

Nutrition and Dietics: applied aspect to the course

Growth & Development: Prenatal and postnatal development of cranium, face, jaws, teeth and supporting structures. Chronology of dental development and development of occlusion.

Dimensional changes in dental arches. Cephalometric evaluation of growth.

November 2025: 20th Thursday 8:30 PM to 9:30 PM IST

Child Psychology: Development & Classification of behavior, personality, intelligence in children, theories of child psychology, stages of psychological child development, fear anxiety, apprehension dt its management.

Behavior Management: Non- pharmacological methods.

Preventive Pedodontics: Concepts, chair side preventive measures for dental diseases,

Preventive Management: Pit and Fissures Sealants, Oral Hygiene measures, Correlation of brushing with dental caries and periodontal diseases

December 2025 : 18th Thursday 8:30 PM to 9:30 PM IST (review class before on campus course) Online assessment and progress of the candidates and preparation for the upcoming in campus module.

January 2026: 15th Thursday 8:30 PM to 9:30 PM IST

Interceptive Orthodontics:

- a. Concepts of occlusion and esthetics: Structure and function of all anatomic components of occlusion, mechanics of articulations, recording of masticatory function, diagnosis of Occlusal dysfunction, relationship of TMJ anatomy and pathology and related neuromuscular physiology.
- b. A comprehensive review of the local and systemic factors in the causation of malocclusion.
- c. Recognition and management of normal and abnormal developmental occlusions in primary, mixed and permanent dentitions in children (Occlusal Guidance).
- d. Biology of tooth movement: A comprehensive review of the principles of teeth movement
Review of contemporary literature. Histopathology of bone and Periodontal ligament, Molecular and ultra cellular consideration in tooth movement.

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February 2026: 19th Thursday 8:30 PM to 9:30 PM IST

- e. Myofunctional appliances: Basic principles, contemporary appliances: Design & Fabrication
- f. Removable appliances: Basic principles, contemporary' appliances: Design & Fabrication
- g. Case selection & diagnosis in interceptive Orthodontics (Cephalometric, Image processing, Tracing, Radiation hygiene, Video imaging and advance Cephalometric techniques).

March 2026: 19th Thursday 8:30 PM to 9:30 PM IST

- h. Space Management: Etiology, Diagnosis of space problems, analysis, Biomechanics, Planned extraction in interception orthodontics.

Oral Habits in Children:

- Definition, Etiology & Classification
- Clinical features of digit sucking, tongue thrusting, mouth breathing 8s various other secondary habits.

April 2026: 16th Thursday 8:30 PM to 9:30 PM IST (review class before on campus course) Online assessment and progress of the candidates and preparation for the upcoming in campus module.

May 2026: 21st Thursday 8:30 PM to 9:30 PM IST

Management of oral habits in children.

Case History Recording, Outline of principles of examination, diagnosis & treatment planning. Principles of Biostatistics & Research Methodology & Understanding of Computers and Photography

June 2026: 18th Thursday 8:30 PM to 9:30 PM IST

Role of speech therapist and dentist

- Introduction
- Articulation
- Speech
- Place Of Articulation
- Manner Of Articulation

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- Tongue & Teeth
- Speech retraining
- References
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July 2026: 16th Thursday 8:30 PM to 9:30 PM IST

ENT and dentistry the missing link

- Anatomy of upper and lower airway
- Clinical significance of adenoid and tonsils
- Patho-physiology with indication for adeno-tonsillectomy
- OSA in children
- Patho physiology of OSA
- Diagnosis and management of pediatric OSA
- VIDEO demonstration of adeno-tonsillectomy

Pediatric disturbed sleep disorder and role of pulmonologist

- The Nature and Structure of Sleep
- Sleep Neurobiology
- A Dental Perspective on the Classification of Sleep Disorders
- Role of Dentists in Sleep Medicine
- Overview of Guidelines/Protocols for SDB
- Sleep-Related Breathing Disorders
- Pathophysiology of OSA
- Mouth Breathing, Dentofacial Morphology, and SDB
- Diagnosis and Management of Pediatric OS

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