

PROPOSED TIMETABLE FOR ADVANCED MASTER TRAINING IN BIOFUNCTIONAL INTERCEPTIVE AND MYOFUNCTIONAL THERAPY (BIMT™)

Welcome to the world's first and only Advanced Master Training Program in Biofunctional Interceptive & Myofunctional Therapy (BIMT™).

This pioneering multidisciplinary fellowship unites pediatric dentistry, orthodontics, ENT, pulmonology, speech pathology and oral medicine under one roof—bridging the critical airway–occlusion–function triad that conventional training overlooks.

Guided by a distinguished national faculty from Kerala's leading institutions and exclusive international luminaries from Indiana University (USA) and Universiti Teknologi MARA (Malaysia), you will master diagnostics, cephalometrics, CBCT airway analysis, habit correction, myofunctional appliances, orthopedic interventions and clinical case execution through intensive hands-on modules.

Every quarter's three-day campus immersion, complemented by 36 hours of structured online learning, case presentations, journal clubs and lifelong alumni networking, transforms knowledge into confident clinical competence.

At the culmination of this one-year transformative journey, successful candidates are awarded the prestigious **Fellow in BIMT** by Manipal University College Malaysia—an exclusive credential recognized for elevating airway-focused interceptive practice worldwide.

Join us to redefine early intervention, restore true facial growth potential, and become part of an elite global community shaping the future of pediatric and orthodontic care.

Your journey to mastery begins here.

NATIONAL FACULTIES FOR THE SESSION

1) Paediatric dentists - Prof. Dr Joby Peter, MDS, FDSRCS(Eng), PGDCFS

Prof and head, Dept of paediatric and preventive dentistry, Annoor dental college and hospital. Head of academics, Online Dentistry, Kerala.

2) Prof. Dr Krishnakumar R MDS, PhD, FDSRCS(Eng), Professor. Department of Pediatric and Preventive Dentistry, Annoor Dental College & Hospital, Kerala.

3) Orthodontist - Dr Binu T Abraham, D-Ortho (USA) Director and chief consultant at Kerala dental clinic Kerala.

4) Oral Medicine & Radiology: Prof. Dr Giju George Baby MDS, FDSRCS(Eng), Principal, Prof & Head Department of Oral medicine & radiology Annoor Dental College & Hospital Kerala.

5) ENT : Dr Sanu P Moideen MBBS, MS (ENT), DNB (ENT), FHNOS, Excellent ENT center, MCS Hospital Kerala.

6) Pulmonologist - Dr Shine Shukoor Rasheed, MD, FCCP, Kinder multispecialty hospital Kerala

7) Audiologist and Speech language pathologist – Ms. Ashitha Paul K. Senior Speech-Language Pathologist and Head of the Department at the Prayatna Centre for Child Development Kerala.

INTERNATIONAL FACULTIES

1) 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 USA.

2) Dr Annapurny Venkiteswaran

Assoc prof Center for Pediatric Dentistry & Orthodontics studies
Faculty of Dentistry, Universiti Teknologi MARA, Malaysia.

This Advanced master training 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, MCS Hospital Muvattupuzha, Kerala, Prayatna Centre for Child Development Kerala. And international guest faculties from USA and Malaysia.

All candidates will given 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 sessions, recorded video with quiz to finish and submission of assignment, case discussion, Library dissertation work, journal club presentation.

PROPOSED IN CAMPUS TIMETABLE

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

MODULE 1: September 2027: 16, 17, 18

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)

Diagnostic case sheet fill: Functional analysis: clinical case analysis for BIMT with

hands on session 1

Diagnostic case sheet fill: habit assessment: Mouth breathing and Disturbed sleep disorder breathing assessment BIMT with hands on session 2

Diagnostic case sheet fill: habit assessment: tongue thrusting assessment BIMT with hands on session 3

Day 2:

Diagnostic case sheet fill: OPG screening

Basic Photography lecture/Hands on

Cropping /Editing/Storing/Retrieving

All candidates to submit full photo records

Submission and approval.

SUBMIT: One patient Photo/cast/Ceph/OPG

CLINIC VISIT: various case demonstrations.

Day 3:

Model analysis

Ceph Tracing and land marks

Ceph Composite analysis: 33-point ceph/Jefferson/Sassouni bottom-line.

Clinical visit for various case demonstrations.

Volumetric Airway analysis: CBCT airway assessment.

OMT

Logistics for the fellowship

MODULE 2: December 2027 : 16, 17, 18

Day 1

Overview of module 1

Submission of assignments

Case presentation of by candidates: own cases if ready.

Review of cephalometric analysis

Management of non-skeletal problems: upper and lower anterior crowding.

Case analysis by candidates and presentations: crowding management

Clinical posting.

Introduction to Straight Wire Orthodontics: sectional orthodontics

Live demo and hands on session.

Day 2:

ENT: Airway analysis and role of ENT.

Posting at MCS hospital for ENT session followed by live surgery session at OT
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
VEDIO demonstration of adeno-tonsillectomy
Interceptive management of Non-Skeletal Malocclusion
Case discussion: management of lost spaces: Space management
Space Regainers: use of coil springs and other accessories
Arch expansions in pediatric dentistry: SME
Clinical posting: 5 cases follow ups and discussion

Day 3:

Case discussion: management of Mandibular retrognathism (CLASS II)
Myofunctional appliances Removable: FRs, TWINBLOCK
Arch expansions in pediatric dentistry: RME
Clinical Visit/Posting
Cases in Various Stages

- Assignments and Logistics review for the fellowship for next module

MODULE 3: April 2028: 20, 21, 22

Day 1:

Habit and management
Case history taking and case discussion
Management of Deep bites
Management of open bites
Vertical maxillary excess and its management
Clinical posting: 5 cases follow ups and discussion

Day 2:

Pulmonologist lecture and visit to kinder hospital.
Sleep clinic visit
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 OSA
Intro to utility arch: passive arch concept for retention cases
Minor movements with utility arch.

Day 3:

Orthopedic in pediatric dentistry
Case discussion and planning of orthopedic cases
Use of HPHG/FACEMASK
Class III management protocols
Clinic Visit for case demonstrations

Assignments and Logistics review for the fellowship for next module

MODULE 4: July 2028: 20, 21, 22.

Day 1

Principles of OMT

How to mitigate BIMT to your practice
Setting up of an BIMT practice and networking
Clinical posting: 5 cases follow ups and discussion.

Day 2

Speech pathology and articulation: role of pediatric dentist
Introduction
Articulation
Speech
Place Of Articulation
Manner Of Articulation
Tongue & Teeth
Speech retraining
Clinical posting: 5 cases follow ups and discussion

Day 3

Clinical posting
Logistics reviews for fellowship.
College valedictory function and certificate distribution.
Lab visit: maxdent: appliance demo/digital
Assignments and Logistics review for the fellowship submission.

Graduation/defend viva/case presentation/MCQ test

Proposed date: January 2nd or 3rd week THURSDAY AND FRIDAY 2029. (dates are subjected to university approval which will be done 4 to 6 months prior to the class)

Malaysia DAY 1

Overview 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
 MCQ test
 Graduation ceremony and certificate distribution

Proposed Online module timetable with course content covered

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 Dietetics: 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.
 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
 Interceptive Orthodontics/Straight wire/myofunctional/preventive 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.
- 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).
- h. Space Management: Etiology, Diagnosis of space problems, analysis, Biomechanics, Planned extraction in interception orthodontics.
- i. Oral Habits in Children:
 Definition, Etiology & Classification
 Clinical features of digit sucking, tongue thrusting, mouth breathing & various other

secondary habits.

Management of oral habits in children.

- j. All online sessions candidates have the opportunity to present their own cases, doubt clearance, any hiccups or difficulties they face, lab support needed guidance etc.
- k. A dedicated what's app group for the entire course duration for your cases and other logistic supports. After completing the one-year training, all the fellows will be added to a CORE BIMT group exclusive of aluminous of BIMT for net working and case referral. This group will be meeting once in 2/3 months through online for live case discussion or newer updating in this field. This group will be a lifelong support for BIMTs. After completion of the training program.

Clinical scenarios you might learn and get guidance

1) High caries risk mixed dentition and appliance risk 2) Traumatic teeth and Interceptive management 3) Broken teeth and supra eruption 4) The fractured immature permanent incisor crown 5) The avulsed incisor 6) Disorders of eruption and exfoliation 7) Poor quality first permanent molars 8) Laser frenectomy: labial 9) Laser tongue tie removal 10) Surgical exposure and tooth traction 11) Laser exposure and tooth traction 12) Biomodulation with laser in pediatric dentistry. 13) Soft issue problems with appliance or tooth movements 14) The index of orthodontic treatment need: dental health component 15) When to refer: Orthodontic problems: referral guide	16) Median diastema and ectopic eruption of an upper first permanent molar 17) Unerupted upper central incisor 18) Missing/absent upper lateral incisors 19) Buccally placed upper canines 20) Severe crowding 21) Palatal canine & more canine problems 22) Ankylosed/infraoccluded primary molars 23) Increased overjet 24) Incisor crossbite 25) Reverse overjet 26) Increased overbite 27) Anterior open bite 28) Posterior crossbite 29) Bilateral crossbite 30) Late lower incisor crowding 31) Prominent chin 32) Appliance-related problems 33) Tooth movement and related problems 34) Practice management 35) 2x4 and utility arch set up cases.
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Learning outcome:

- 1. **A Global First in Airway-Focused Dentistry:** you will experience the world's only comprehensive, multi-disciplinary curriculum merging pediatric dentistry, orthodontics, myofunctional therapy, and airway medicine into one unified clinical protocol.
- 2. **Unrivaled Interdisciplinary Faculty:** you will learn directly from an elite panel of national and international experts spanning Pediatric Dentistry, Orthodontics, Oral Radiology, ENT, Pulmonology, and Speech-Language Pathology.

3. **Evidence-Based Master Curriculum:** Master 4 intensive, 3-day campus modules combined with 36 hours of interactive online training covering everything from growth modulation to sleep-disordered breathing.
4. **Hands-On Diagnostic Precision:** Gain advanced competence in 33-point cephalometrics, volumetric CBCT airway analysis, smartphone photography workflows, and comprehensive functional assessments.
5. **Real-World Clinical Postings & Live Surgery:** Go beyond the classroom with live clinical postings, hospital visits, sleep clinic rotations, and direct observation of ENT surgical interventions.
6. **Advanced Orthopedic & Appliance Mastery:** Acquire step-by-step expertise in fabricating and delivering myofunctional appliances, fixed sectional straight-wire, arch expansion systems, and orthopedic traction.
7. **Complete Airway & Speech Integration:** Bridge the critical link between pediatric OSA, mouth breathing, tongue posture, frenectomies, and speech articulation with specialized speech pathologists and pulmonologists.
8. **Practice Setup & Business Integration:** Receive practical blueprints to seamlessly incorporate BIMT™ protocols into your daily practice, optimize patient communication, and establish a specialized clinic setup.
9. **Global Academic Distinction:** Complete your journey with a prestigious international defense and graduation ceremony, earning your **Fellowship in BIMT from Manipal University College Malaysia**.
10. **Lifelong Mentorship & Network:** Join the exclusive Core BIMT Alumni network featuring quarterly case discussions, ongoing clinical support, and a collaborative referral ecosystem for life.

Step into the future of airway-centered pediatric and interceptive care—where early intervention meets lifelong health. We wish you all the best.