

DENTAL SCIENCES • SPECIALIST TRAINING



NTHRYS

OPC PVT LTD

DENTAL SCIENCES • FELLOWSHIP TRAINING PROGRAMS

Dental Anatomy, Embryology & Oral Histology

A complete foundational-science architecture for dental graduates, postgraduates and educators — spanning tooth nomenclature and morphology, root and pulp anatomy, carving and occlusion, comparative and forensic anatomy, craniofacial embryology and odontogenesis, and the full histology of enamel, dentine, pulp, cementum, periodontium, mucosa, salivary glands and TMJ, extended to ultrastructure, digital morphology, molecular developmental biology and AI. Every protocol is delivered through structured laboratory, microscopy and carving training.

33

SUB-STREAMS

134

PROTOCOLS

885

HOURS

2026

EDITION

Sub-Streams at a Glance

This catalogue lists every Dental Anatomy, Embryology & Oral Histology training protocol delivered at the NTHRYS Dental Sciences centre, organised under the DA department across 33 specialist sub-streams. Each protocol carries a unique code, a defined duration and a per-protocol fee, and may be combined into custom fellowship tracks. Protocols are pitched at practising specialists, postgraduates and digital-laboratory technologists.

STREAM	SUB-STREAM	FOCUS	N	HRS	VALUE
NDS-DA-NT	Nomenclature, Notation & Tooth Identification	Terminology and identification	4	21	₹ 33,500
NDS-DA-PA	Permanent Anterior Tooth Morphology	Incisor and canine anatomy	4	24	₹ 40,000
NDS-DA-PP	Permanent Posterior Tooth Morphology	Premolar and molar anatomy	5	32	₹ 54,000
NDS-DA-DT	Deciduous Tooth Morphology	Primary-dentition anatomy	4	22	₹ 37,000
NDS-DA-RA	Root & Pulp-Cavity Anatomy	Root form and internal anatomy	4	26	₹ 44,000
NDS-DA-TC	Tooth Carving & Wax-Up	Morphology carving technique	5	38	₹ 68,500
NDS-DA-OC	Occlusion & Articulation	Inter-arch relationships	4	28	₹ 50,000
NDS-DA-FF	Form, Function & Clinical Application	Anatomy-function correlation	4	24	₹ 40,000
NDS-DA-CA	Comparative & Forensic Dental Anatomy	Variation and identification	4	25	₹ 45,500
NDS-DA-AE	Age Estimation from Dentition	Dental aging methods	4	25	₹ 45,500
NDS-DA-GE	General Embryology Foundations	Early development basis	4	23	₹ 36,500
NDS-DA-HN	Head & Neck Development	Craniofacial embryology	4	26	₹ 44,000
NDS-DA-FD	Face, Palate & Branchial Development	Facial and palatal formation	4	26	₹ 44,000
NDS-DA-TO	Tooth Development (Odontogenesis)	Stages of tooth formation	4	28	₹ 50,500
NDS-DA-AM	Amelogenesis	Enamel formation	4	26	₹ 44,000
NDS-DA-DN	Dentinogenesis	Dentine formation	4	26	₹ 44,000
NDS-DA-RC	Root Formation & Cementogenesis	Root and cementum development	4	26	₹ 44,000

Sub-Streams at a Glance *continued*

STREAM	SUB-STREAM	FOCUS	N	HRS	VALUE
NDS-DA-ER	Eruption & Shedding	Eruption biology	4	25	₹ 42,000
NDS-DA-DV	Developmental Anomalies & Disturbances	Developmental defects	4	25	₹ 45,500
NDS-DA-EN	Enamel Histology	Enamel tissue structure	4	26	₹ 44,000
NDS-DA-DE	Dentine & Pulp Histology	Dentine-pulp complex	4	27	₹ 46,000
NDS-DA-CE	Cementum Histology	Cementum structure and function	4	23	₹ 36,500
NDS-DA-PL	Periodontal Ligament Histology	PDL fibre architecture	4	26	₹ 44,000
NDS-DA-AB	Alveolar Bone Histology	Supporting-bone structure	4	25	₹ 39,500
NDS-DA-OM	Oral Mucosa Histology	Mucosal tissue organisation	4	25	₹ 42,000
NDS-DA-SG	Salivary Gland Histology	Glandular tissue structure	4	26	₹ 44,000
NDS-DA-TJ	TMJ & Tongue Histology	Joint and lingual tissue	4	26	₹ 44,000
NDS-DA-BC	Bone, Cartilage & Connective Tissue	General tissue histology	4	24	₹ 38,000
NDS-DA-HM	Histology Techniques & Microscopy	Tissue preparation and reading	4	27	₹ 46,000
NDS-DA-UM	Ultrastructure & Electron Microscopy	EM-level tissue anatomy	4	33	₹ 92,500
NDS-DA-DM	Digital & 3D Dental Morphology	Computational morphology	4	34	₹ 1,15,000
NDS-DA-BD	Developmental Biology & Molecular Odontogenesis	Molecular tooth development	4	32	₹ 96,000
NDS-DA-AI	AI & Computational Dental Morphology	Automated morphology and histology	4	35	₹ 1,32,500
Full department — 33 sub-streams			134	885	₹ 17,12,500

How the Programme is Built

Fees are tiered by clinical and technological complexity — from advanced core restorative protocols through implant, maxillofacial, digital, robotic and bioengineered streams. Per-protocol fees range from ₹ 8,000 to ₹ 34,000, with the complete department representing ₹ 17,12,500 of specialist training across 885 hours.

HOW TO READ A CODE

NDS – DA – NT – 01

NDS

Nthrys Dental Sciences

DA

Dental Anatomy, Embryology & Oral Histology dept

NT

Sub-stream

01

Protocol number

Every protocol is delivered hands-on on live clinical and digital-laboratory equipment, with structured assessment and case documentation. Sub-streams may be enrolled individually or bundled into themed fellowship pathways (e.g. *Full-Arch Implant, Digital & Robotic, Maxillofacial Rehabilitation*).

Nomenclature, Notation & Tooth Identification

Terminology and identification

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-NT-01	Tooth Nomenclature & Notation Systems	FDI, Universal and Palmer systems.	5 hrs	₹ 8,000
NDS-DA-NT-02	Tooth Identification & Set Sorting	Systematic identification drills.	6 hrs	₹ 9,500
NDS-DA-NT-03	Dental Terminology & Surfaces	Anatomic terminology.	5 hrs	₹ 8,000
NDS-DA-NT-04	Chronology of Dentition	Eruption-age tables.	5 hrs	₹ 8,000

Permanent Anterior Tooth Morphology

Incisor and canine anatomy

4
PROTOCOLS

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-PA-01	Maxillary Incisor Morphology	Central and lateral incisor anatomy.	6 hrs	₹ 10,000
NDS-DA-PA-02	Mandibular Incisor Morphology	Lower-incisor anatomy.	6 hrs	₹ 10,000
NDS-DA-PA-03	Canine Morphology	Maxillary and mandibular canines.	6 hrs	₹ 10,000
NDS-DA-PA-04	Anterior Identification & Drawing	Morphology drawing drills.	6 hrs	₹ 10,000

Permanent Posterior Tooth Morphology

Premolar and molar anatomy

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-PP-01	Maxillary Premolar Morphology	Upper-premolar anatomy.	6 hrs	₹ 10,000
NDS-DA-PP-02	Mandibular Premolar Morphology	Lower-premolar anatomy.	6 hrs	₹ 10,000
NDS-DA-PP-03	Maxillary Molar Morphology	Upper-molar anatomy.	7 hrs	₹ 12,000
NDS-DA-PP-04	Mandibular Molar Morphology	Lower-molar anatomy.	7 hrs	₹ 12,000
NDS-DA-PP-05	Posterior Identification & Drawing	Morphology drawing drills.	6 hrs	₹ 10,000

Deciduous Tooth Morphology

Primary-dentition anatomy

4
PROTOCOLS

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-DT01	Primary Anterior Morphology	Deciduous incisor and canine anatomy.	6 hrs	₹ 10,000
NDS-DA-DT02	Primary Molar Morphology	Deciduous molar anatomy.	6 hrs	₹ 10,000
NDS-DA-DT03	Primary vs Permanent Differences	Comparative features.	5 hrs	₹ 8,500
NDS-DA-DT04	Primary-Dentition Identification	Identification drills.	5 hrs	₹ 8,500

Root & Pulp-Cavity Anatomy

Root form and internal anatomy

4
PROTOCOLS

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-RA-01	Root Morphology & Variations	Root-form anatomy.	6 hrs	₹ 10,000
NDS-DA-RA-02	Pulp-Cavity Anatomy	Internal-canal morphology.	7 hrs	₹ 12,000
NDS-DA-RA-03	Root-Canal Configuration	Canal-system variations.	7 hrs	₹ 12,000
NDS-DA-RA-04	Clinical Root-Anatomy Application	Endo and perio relevance.	6 hrs	₹ 10,000

Tooth Carving & Wax-Up

Morphology carving technique

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DATC-01	Wax-Carving Fundamentals	Tool and material handling.	7 hrs	₹ 12,500
NDS-DATC-02	Anterior Tooth Carving	Incisor and canine wax-up.	8 hrs	₹ 14,500
NDS-DATC-03	Posterior Tooth Carving	Premolar and molar wax-up.	9 hrs	₹ 16,000
NDS-DATC-04	Additive Wax-Up Technique	Build-up carving method.	8 hrs	₹ 14,500
NDS-DATC-05	Soap & Plaster Carving	Alternative-medium carving.	6 hrs	₹ 11,000

Occlusion & Articulation

Inter-arch relationships

4
PROTOCOLS

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-OC-01	Concepts of Occlusion	Static and dynamic occlusion.	7 hrs	₹ 12,500
NDS-DA-OC-02	Centric & Eccentric Relations	Jaw-relationship anatomy.	7 hrs	₹ 12,500
NDS-DA-OC-03	Cusp-Fossa & Marginal-Ridge Relations	Inter-arch contacts.	7 hrs	₹ 12,500
NDS-DA-OC-04	Articulation & Mandibular Movement	Movement mechanics.	7 hrs	₹ 12,500

Form, Function & Clinical Application

Anatomy-function correlation

4
PROTOCOLS

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-FF-01	Form & Function Relationships	Anatomy-function correlation.	6 hrs	₹ 10,000
NDS-DA-FF-02	Contact Areas & Embrasures	Proximal-relationship anatomy.	6 hrs	₹ 10,000
NDS-DA-FF-03	Self-Cleansing & Protective Form	Functional-form principles.	6 hrs	₹ 10,000
NDS-DA-FF-04	Clinical Application of Morphology	Restorative relevance.	6 hrs	₹ 10,000

Comparative & Forensic Dental Anatomy

Variation and identification

4
PROTOCOLS

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-CA-01	Comparative Tooth Anatomy	Cross-species dental anatomy.	6 hrs	₹ 11,000
NDS-DA-CA-02	Forensic Dental Anatomy	Identification-relevant features.	7 hrs	₹ 12,500
NDS-DA-CA-03	Tooth Variations & Anomalies	Morphologic-variant catalogue.	6 hrs	₹ 11,000
NDS-DA-CA-04	Population & Anthropologic Variation	Anthropologic dental traits.	6 hrs	₹ 11,000

Age Estimation from Dentition

Dental aging methods

4
PROTOCOLS

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-AE-01	Dental-Development Age Estimation	Eruption-based ageing.	6 hrs	₹ 11,000
NDS-DA-AE-02	Histologic Age Estimation	Incremental-line ageing.	7 hrs	₹ 12,500
NDS-DA-AE-03	Radiographic Age Estimation	Imaging-based ageing.	6 hrs	₹ 11,000
NDS-DA-AE-04	Adult Age-Change Assessment	Gustafson-method ageing.	6 hrs	₹ 11,000

General Embryology Foundations

Early development basis

4
PROTOCOLS

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-GE-01	Gametogenesis & Fertilisation	Early-development basics.	6 hrs	₹ 9,500
NDS-DA-GE-02	Embryonic Germ Layers	Trilaminar-disc formation.	6 hrs	₹ 9,500
NDS-DA-GE-03	Early Embryonic Development	Implantation to organogenesis.	6 hrs	₹ 9,500
NDS-DA-GE-04	Cell-Differentiation Concepts	Developmental-biology basis.	5 hrs	₹ 8,000

Head & Neck Development

Craniofacial embryology

4
PROTOCOLS

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-HN-01	Pharyngeal-Arch Development	Branchial-arch derivatives.	7 hrs	₹ 12,000
NDS-DA-HN-02	Head & Neck Embryology	Craniofacial-development overview.	7 hrs	₹ 12,000
NDS-DA-HN-03	Neural-Crest Contribution	Crest-cell migration.	6 hrs	₹ 10,000
NDS-DA-HN-04	Skeletal & Muscular Development	Craniofacial-tissue origin.	6 hrs	₹ 10,000

Face, Palate & Branchial Development

Facial and palatal formation

4
PROTOCOLS

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-FD-01	Facial-Process Development	Face-formation process.	7 hrs	₹ 12,000
NDS-DA-FD-02	Palate Development	Primary and secondary palate.	7 hrs	₹ 12,000
NDS-DA-FD-03	Tongue Development	Lingual-development sequence.	6 hrs	₹ 10,000
NDS-DA-FD-04	Cleft-Formation Mechanisms	Developmental-defect basis.	6 hrs	₹ 10,000

Tooth Development (Odontogenesis)

Stages of tooth formation

4
PROTOCOLS

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-TO-01	Initiation & Bud Stage	Early odontogenesis.	7 hrs	₹ 12,500
NDS-DA-TO-02	Cap & Bell Stages	Enamel-organ development.	8 hrs	₹ 14,500
NDS-DA-TO-03	Dental Lamina & Tooth Germ	Germ-formation process.	7 hrs	₹ 12,500
NDS-DA-TO-04	Hard-Tissue Formation Onset	Apposition-stage onset.	6 hrs	₹ 11,000

Amelogenesis

Enamel formation

4
PROTOCOLS

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-AM-01	Ameloblast Differentiation	Enamel-cell development.	7 hrs	₹ 12,000
NDS-DA-AM-02	Enamel-Matrix Formation	Secretory-stage amelogenesis.	7 hrs	₹ 12,000
NDS-DA-AM-03	Enamel Maturation	Mineralisation process.	6 hrs	₹ 10,000
NDS-DA-AM-04	Amelogenesis Defects	Enamel-formation disturbances.	6 hrs	₹ 10,000

Dentinogenesis

Dentine formation

4
PROTOCOLS

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-DN-01	Odontoblast Differentiation	Dentine-cell development.	7 hrs	₹ 12,000
NDS-DA-DN-02	Dentine-Matrix Formation	Predentine and mineralisation.	7 hrs	₹ 12,000
NDS-DA-DN-03	Types of Dentine	Primary, secondary and tertiary.	6 hrs	₹ 10,000
NDS-DA-DN-04	Dentinogenesis Defects	Dentine-formation disturbances.	6 hrs	₹ 10,000

Root Formation & Cementogenesis

Root and cementum development

4
PROTOCOLS

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-RC-01	Hertwig's Root Sheath	Root-formation initiation.	7 hrs	₹ 12,000
NDS-DA-RC-02	Cementogenesis	Cementum-formation process.	7 hrs	₹ 12,000
NDS-DA-RC-03	Root-Dentine Formation	Root-tissue development.	6 hrs	₹ 10,000
NDS-DA-RC-04	Root-Development Anomalies	Root-formation defects.	6 hrs	₹ 10,000

Eruption & Shedding

Eruption biology

4
PROTOCOLS

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-ER-01	Mechanisms of Tooth Eruption	Eruption-biology theories.	7 hrs	₹ 12,000
NDS-DA-ER-02	Eruption Sequence & Chronology	Timing of eruption.	6 hrs	₹ 10,000
NDS-DA-ER-03	Shedding of Primary Teeth	Resorption and exfoliation.	6 hrs	₹ 10,000
NDS-DA-ER-04	Eruption Disturbances	Eruption-disorder basis.	6 hrs	₹ 10,000

Developmental Anomalies & Disturbances

Developmental defects

4
PROTOCOLS

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-DV-01	Anomalies of Number & Size	Developmental-number defects.	6 hrs	₹ 11,000
NDS-DA-DV-02	Anomalies of Shape & Structure	Form and structure defects.	7 hrs	₹ 12,500
NDS-DA-DV-03	Eruption & Position Anomalies	Positional disturbances.	6 hrs	₹ 11,000
NDS-DA-DV-04	Genetic Developmental Disorders	Inherited-anomaly basis.	6 hrs	₹ 11,000

Enamel Histology

Enamel tissue structure

4
PROTOCOLS

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-EN-01	Enamel Composition & Structure	Enamel-tissue organisation.	7 hrs	₹ 12,000
NDS-DA-EN-02	Enamel Rods & Prisms	Prism-structure histology.	7 hrs	₹ 12,000
NDS-DA-EN-03	Incremental Lines & Surface Features	Striae and perikymata.	6 hrs	₹ 10,000
NDS-DA-EN-04	Clinical Enamel Histology	Caries and bonding relevance.	6 hrs	₹ 10,000

Dentine & Pulp Histology

Dentine-pulp complex

4
PROTOCOLS

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-DE-01	Dentine Composition & Structure	Dentine-tissue organisation.	7 hrs	₹ 12,000
NDS-DA-DE-02	Dentinal Tubules & Odontoblasts	Tubular-structure histology.	7 hrs	₹ 12,000
NDS-DA-DE-03	Pulp Histology & Zones	Pulp-tissue organisation.	7 hrs	₹ 12,000
NDS-DA-DE-04	Dentine-Pulp Complex	Functional-unit histology.	6 hrs	₹ 10,000

Cementum Histology

Cementum structure and function

4
PROTOCOLS

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-CE-01	Cementum Composition & Types	Acellular and cellular cementum.	6 hrs	₹ 9,500
NDS-DA-CE-02	Cemental Structure & Lines	Incremental-line histology.	6 hrs	₹ 9,500
NDS-DA-CE-03	Cementum Function & Repair	Attachment and repair.	6 hrs	₹ 9,500
NDS-DA-CE-04	Cemento-Enamel Junction	CEJ histology.	5 hrs	₹ 8,000

Periodontal Ligament Histology

PDL fibre architecture

4
PROTOCOLS

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-PL01	PDL Fibre Architecture	Principal-fibre organisation.	7 hrs	₹ 12,000
NDS-DA-PL02	PDL Cells & Components	Cellular and matrix elements.	7 hrs	₹ 12,000
NDS-DA-PL03	PDL Function & Adaptation	Support and remodelling.	6 hrs	₹ 10,000
NDS-DA-PL04	PDL in Health & Disease	Clinical histology.	6 hrs	₹ 10,000

Alveolar Bone Histology

Supporting-bone structure

4
PROTOCOLS

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-AB-01	Alveolar-Bone Structure	Bundle and supporting bone.	6 hrs	₹ 9,500
NDS-DA-AB-02	Bone Cells & Remodelling	Osteoblast and osteoclast biology.	7 hrs	₹ 11,000
NDS-DA-AB-03	Bone Histology & Lines	Lamellar-bone organisation.	6 hrs	₹ 9,500
NDS-DA-AB-04	Alveolar-Bone Adaptation	Functional-remodelling.	6 hrs	₹ 9,500

Oral Mucosa Histology

Mucosal tissue organisation

4
PROTOCOLS

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-OM-01	Oral-Mucosa Classification	Masticatory, lining and specialised.	6 hrs	₹ 10,000
NDS-DA-OM-02	Epithelium & Keratinisation	Epithelial histology.	7 hrs	₹ 12,000
NDS-DA-OM-03	Connective-Tissue & Lamina Propria	Sub-epithelial histology.	6 hrs	₹ 10,000
NDS-DA-OM-04	Regional Mucosal Variation	Site-specific histology.	6 hrs	₹ 10,000

Salivary Gland Histology

Glandular tissue structure

4
PROTOCOLS

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-SG-01	Salivary-Gland Structure	Acinar and ductal organisation.	7 hrs	₹ 12,000
NDS-DA-SG-02	Major Salivary Glands Histology	Parotid, submandibular, sublingual.	7 hrs	₹ 12,000
NDS-DA-SG-03	Minor Salivary Glands	Distribution and histology.	6 hrs	₹ 10,000
NDS-DA-SG-04	Saliva-Secretion Histophysiology	Secretory-mechanism histology.	6 hrs	₹ 10,000

TMJ & Tongue Histology

Joint and lingual tissue

4
PROTOCOLS

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-TJ-01	TMJ Histology	Joint-tissue organisation.	7 hrs	₹ 12,000
NDS-DA-TJ-02	Articular Disc & Cartilage	Disc histology.	6 hrs	₹ 10,000
NDS-DA-TJ-03	Tongue Histology	Lingual-tissue structure.	7 hrs	₹ 12,000
NDS-DA-TJ-04	Taste-Bud Histology	Gustatory-structure histology.	6 hrs	₹ 10,000

Bone, Cartilage & Connective Tissue

General tissue histology

4
PROTOCOLS

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-BC-01	Connective-Tissue Histology	General connective-tissue types.	6 hrs	₹ 9,500
NDS-DA-BC-02	Cartilage Histology	Cartilage-type classification.	6 hrs	₹ 9,500
NDS-DA-BC-03	Bone-Tissue Histology	Bone-structure fundamentals.	6 hrs	₹ 9,500
NDS-DA-BC-04	Muscle & Nerve Histology	Oral-region tissue histology.	6 hrs	₹ 9,500

Histology Techniques & Microscopy

Tissue preparation and reading

4
PROTOCOLS

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-HM-01	Tissue-Preparation Techniques	Fixation and processing.	7 hrs	₹ 12,000
NDS-DA-HM-02	Microtomy & Section Staining	Section preparation.	7 hrs	₹ 12,000
NDS-DA-HM-03	Light-Microscope Interpretation	Histologic-slide reading.	7 hrs	₹ 12,000
NDS-DA-HM-04	Ground-Section Technique	Hard-tissue ground sections.	6 hrs	₹ 10,000

Ultrastructure & Electron Microscopy

EM-level tissue anatomy

4
PROTOCOLS

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-UM-01	Ultrastructure of Dental Tissues	EM-level tissue anatomy.	8 hrs	₹ 22,500
NDS-DA-UM-02	Electron-Microscopy Techniques	SEM and TEM preparation.	9 hrs	₹ 25,000
NDS-DA-UM-03	Enamel & Dentine Ultrastructure	Crystallite-level structure.	8 hrs	₹ 22,500
NDS-DA-UM-04	Cellular Ultrastructure	Organelle-level histology.	8 hrs	₹ 22,500

Digital & 3D Dental Morphology

Computational morphology

4
PROTOCOLS

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-DM-01	Digital Dental Morphology	3D-scanned tooth anatomy.	8 hrs	₹ 27,000
NDS-DA-DM-02	3D Tooth Modelling & Printing	Digital-model fabrication.	9 hrs	₹ 30,500
NDS-DA-DM-03	Virtual Carving & Simulation	Digital wax-up training.	9 hrs	₹ 30,500
NDS-DA-DM-04	Morphometric Analysis	Quantitative-shape analysis.	8 hrs	₹ 27,000

Developmental Biology & Molecular Odontogenesis

Molecular tooth development

4
PROTOCOLS

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-BD-01	Molecular Odontogenesis	Signalling in tooth development.	8 hrs	₹ 24,000
NDS-DA-BD-02	Developmental Gene Regulation	Genetic-control pathways.	8 hrs	₹ 24,000
NDS-DA-BD-03	Stem Cells in Tooth Development	Dental-stem-cell biology.	8 hrs	₹ 24,000
NDS-DA-BD-04	Tooth-Regeneration Concepts	Bioengineered-tooth frontier.	8 hrs	₹ 24,000

AI & Computational Dental Morphology

Automated morphology and histology

4
PROTOCOLS

CODE	PROTOCOL	DESCRIPTION	DURATION	FEE (INR)
NDS-DA-AI-01	AI Tooth Identification	Automated morphology recognition.	9 hrs	₹ 34,000
NDS-DA-AI-02	AI Histology Image Analysis	Computational-histology metrics.	9 hrs	₹ 34,000
NDS-DA-AI-03	3D Morphometric AI	Shape-analysis algorithms.	9 hrs	₹ 34,000
NDS-DA-AI-04	AI in Forensic Dental Anatomy	Automated identification and ageing.	8 hrs	₹ 30,500

ENROL • MASTER • LEAD

Fellowship-Grade Dental Anatomy, Embryology & Oral Histology Training

Every protocol in this catalogue is delivered as supervised hands-on training on working clinical and digital-laboratory equipment — spanning instrumentation, advanced technique, digital and robotic workflows, biomaterials and case documentation. Protocols combine into custom fellowship tracks tailored to individual specialists or institutional programmes.

- 33 specialist sub-streams
- 134 training protocols
- 885 total training hours
- ₹ 17,12,500 full-department value

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DENTAL SCIENCES • DENTAL ANATOMY & ORAL HISTOLOGY TRAINING CENTRE