

DENTAL SCIENCES • SPECIALIST TRAINING



# NTHRYS

OPC PVT LTD

DENTAL SCIENCES • FELLOWSHIP TRAINING PROGRAMS

## Anaesthesiology

The complete anaesthesiology foundation for dental graduates, postgraduates and surgical teams — spanning principles and pharmacology, local and regional anaesthesia and dental blocks, inhalation, oral, IV and deep sedation, general anaesthesia, airway assessment and difficult-airway management, intraoperative monitoring, recovery, anaesthetic emergencies and resuscitation, special-population and office-based anaesthesia, and acute and orofacial pain management, extended to ultrasound-guided, simulation and AI-driven anaesthesia. Every module is delivered through structured clinical and simulation teaching.

**33**

SUB-STREAMS

**132**

PROTOCOLS

**885**

HOURS

**2026**

EDITION

# Sub-Streams at a Glance

This catalogue lists every Anaesthesiology training protocol delivered at the NTHRYS Dental Sciences centre, organised under the AN 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-AN-PR | Principles of Anaesthesia               | Foundations and safety      | 4 | 23  | ₹ 41,500 |
| NDS-AN-PA | Preanaesthetic Assessment & Preparation | Pre-op evaluation           | 4 | 26  | ₹ 50,000 |
| NDS-AN-PH | Anaesthetic Pharmacology                | Drug science                | 4 | 26  | ₹ 50,000 |
| NDS-AN-EQ | Anaesthesia Equipment & Machine         | Delivery systems            | 4 | 25  | ₹ 45,500 |
| NDS-AN-LA | Local Anaesthesia                       | LA agents and techniques    | 4 | 26  | ₹ 50,000 |
| NDS-AN-NB | Regional Nerve Blocks                   | Regional anaesthesia        | 4 | 27  | ₹ 52,000 |
| NDS-AN-DN | Dental Nerve Blocks & Techniques        | Intraoral anaesthesia       | 4 | 27  | ₹ 54,000 |
| NDS-AN-LC | LA Complications & Management           | Adverse-reaction management | 4 | 26  | ₹ 50,000 |
| NDS-AN-IS | Inhalation Sedation (Nitrous Oxide)     | Inhalation sedation         | 4 | 26  | ₹ 50,000 |
| NDS-AN-OS | Oral & IV Conscious Sedation            | Conscious sedation          | 4 | 28  | ₹ 56,000 |
| NDS-AN-DS | Deep Sedation & Procedural Sedation     | Deep sedation               | 4 | 27  | ₹ 54,000 |
| NDS-AN-PS | Paediatric Sedation                     | Child sedation              | 4 | 26  | ₹ 50,000 |
| NDS-AN-GA | General Anaesthesia Principles          | GA fundamentals             | 4 | 26  | ₹ 50,000 |
| NDS-AN-IH | Inhalational Anaesthetics               | Volatile agents             | 4 | 25  | ₹ 45,500 |
| NDS-AN-IV | Intravenous Anaesthetics                | IV agents and TIVA          | 4 | 26  | ₹ 47,000 |
| NDS-AN-MR | Muscle Relaxants & Reversal             | Neuromuscular blockade      | 4 | 26  | ₹ 47,000 |
| NDS-AN-IB | Induction & Maintenance                 | Anaesthesia conduct         | 4 | 26  | ₹ 47,000 |

# Sub-Streams at a Glance *continued*

| STREAM                           | SUB-STREAM                                  | FOCUS                            | N   | HRS | VALUE       |
|----------------------------------|---------------------------------------------|----------------------------------|-----|-----|-------------|
| NDS-AN-AW                        | Airway Assessment & Management              | Basic airway                     | 4   | 27  | ₹ 54,000    |
| NDS-AN-IT                        | Intubation & Advanced Airway                | Intubation technique             | 4   | 28  | ₹ 56,000    |
| NDS-AN-DA                        | Difficult Airway Management                 | Airway emergencies               | 4   | 29  | ₹ 61,000    |
| NDS-AN-MO                        | Intraoperative Monitoring                   | Patient monitoring               | 4   | 26  | ₹ 50,000    |
| NDS-AN-FE                        | Fluid, Electrolyte & Transfusion Management | Perioperative support            | 4   | 26  | ₹ 47,000    |
| NDS-AN-RC                        | Recovery & Post-Anaesthesia Care            | PACU management                  | 4   | 26  | ₹ 47,000    |
| NDS-AN-EM                        | Anaesthetic Emergencies & Crises            | Critical events                  | 4   | 28  | ₹ 58,500    |
| NDS-AN-RE                        | Resuscitation & Life Support                | CPR and ACLS                     | 4   | 28  | ₹ 58,500    |
| NDS-AN-MC                        | Anaesthesia in Medically-Compromised        | Risk-adapted anaesthesia         | 4   | 27  | ₹ 54,000    |
| NDS-AN-OB                        | Anaesthesia for Special Populations         | Geriatric and obstetric          | 4   | 26  | ₹ 50,000    |
| NDS-AN-OF                        | Office-Based & Outpatient Anaesthesia       | Ambulatory anaesthesia           | 4   | 27  | ₹ 54,000    |
| NDS-AN-PM                        | Acute & Chronic Pain Management             | Analgesia                        | 4   | 26  | ₹ 50,000    |
| NDS-AN-OP                        | Orofacial Pain & Anaesthesia                | Interventional facial pain       | 4   | 27  | ₹ 54,000    |
| NDS-AN-US                        | Ultrasound-Guided Anaesthesia               | Image-guided techniques          | 4   | 30  | ₹ 90,000    |
| NDS-AN-SM                        | Anaesthesia Simulation & Training           | Simulation-based learning        | 4   | 29  | ₹ 81,500    |
| NDS-AN-AI                        | AI & Digital Anaesthesia Monitoring         | Automated and predictive systems | 4   | 33  | ₹ 1,25,000  |
| Full department — 33 sub-streams |                                             |                                  | 132 | 885 | ₹ 18,30,000 |

# 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 ₹ 9,000 to ₹ 34,000, with the complete department representing ₹ 18,30,000 of specialist training across 885 hours.

HOW TO READ A CODE

NDS – AN – PR – 01

NDS

Nthrys Dental Sciences

AN

Anaesthesiology dept

PR

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*).

# Principles of Anaesthesia

Foundations and safety

4  
PROTOCOLS

| CODE         | PROTOCOL                       | DESCRIPTION                        | DURATION | FEE (INR) |
|--------------|--------------------------------|------------------------------------|----------|-----------|
| NDS-AN-PR-01 | Principles of Anaesthesia      | Anaesthesia-practice fundamentals. | 7 hrs    | ₹ 12,500  |
| NDS-AN-PR-02 | History & Scope of Anaesthesia | Discipline-overview.               | 5 hrs    | ₹ 9,000   |
| NDS-AN-PR-03 | Anaesthetic Risk & Safety      | Patient-safety principles.         | 6 hrs    | ₹ 11,000  |
| NDS-AN-PR-04 | Consent & Documentation        | Anaesthetic-records.               | 5 hrs    | ₹ 9,000   |

# Preanaesthetic Assessment & Preparation

Pre-op evaluation

4  
PROTOCOLS

| CODE         | PROTOCOL                  | DESCRIPTION               | DURATION | FEE (INR) |
|--------------|---------------------------|---------------------------|----------|-----------|
| NDS-AN-PA-01 | Preanaesthetic Evaluation | Pre-op-assessment.        | 7 hrs    | ₹ 13,500  |
| NDS-AN-PA-02 | ASA Classification & Risk | Risk-grading method.      | 6 hrs    | ₹ 11,500  |
| NDS-AN-PA-03 | Airway Assessment         | Pre-op-airway evaluation. | 7 hrs    | ₹ 13,500  |
| NDS-AN-PA-04 | Fasting & Premedication   | Pre-op-preparation.       | 6 hrs    | ₹ 11,500  |

# Anaesthetic Pharmacology

Drug science

4  
PROTOCOLS

| CODE         | PROTOCOL                         | DESCRIPTION                 | DURATION | FEE (INR) |
|--------------|----------------------------------|-----------------------------|----------|-----------|
| NDS-AN-PH-01 | Anaesthetic Drug Pharmacology    | Anaesthetic-drug overview.  | 7 hrs    | ₹ 13,500  |
| NDS-AN-PH-02 | Pharmacokinetics in Anaesthesia  | Drug-handling pharmacology. | 7 hrs    | ₹ 13,500  |
| NDS-AN-PH-03 | Adjuncts & Premedicants          | Adjunct-drug pharmacology.  | 6 hrs    | ₹ 11,500  |
| NDS-AN-PH-04 | Drug Interactions in Anaesthesia | Interaction-safety.         | 6 hrs    | ₹ 11,500  |

# Anaesthesia Equipment & Machine

Delivery systems

**4**  
PROTOCOLS

| CODE                         | PROTOCOL                             | DESCRIPTION                  | DURATION | FEE (INR) |
|------------------------------|--------------------------------------|------------------------------|----------|-----------|
| <a href="#">NDS-AN-EQ-01</a> | <b>Anaesthesia Machine</b>           | Machine-components overview. | 7 hrs    | ₹ 12,500  |
| <a href="#">NDS-AN-EQ-02</a> | <b>Breathing Circuits</b>            | Circuit-types overview.      | 6 hrs    | ₹ 11,000  |
| <a href="#">NDS-AN-EQ-03</a> | <b>Vaporisers &amp; Gas Delivery</b> | Delivery-system overview.    | 6 hrs    | ₹ 11,000  |
| <a href="#">NDS-AN-EQ-04</a> | <b>Equipment Checks &amp; Safety</b> | Pre-use-safety checks.       | 6 hrs    | ₹ 11,000  |

# Local Anaesthesia

LA agents and techniques

4  
PROTOCOLS

| CODE         | PROTOCOL                     | DESCRIPTION                    | DURATION | FEE (INR) |
|--------------|------------------------------|--------------------------------|----------|-----------|
| NDS-AN-LA-01 | Local Anaesthesia Principles | LA-mechanism overview.         | 7 hrs    | ₹ 13,500  |
| NDS-AN-LA-02 | LA Agents & Selection        | Agent-selection.               | 7 hrs    | ₹ 13,500  |
| NDS-AN-LA-03 | Infiltration Techniques      | Infiltration-anaesthesia.      | 6 hrs    | ₹ 11,500  |
| NDS-AN-LA-04 | Topical Anaesthesia          | Surface-anaesthesia technique. | 6 hrs    | ₹ 11,500  |

# Regional Nerve Blocks

Regional anaesthesia

4  
PROTOCOLS

| CODE         | PROTOCOL                    | DESCRIPTION                    | DURATION | FEE (INR) |
|--------------|-----------------------------|--------------------------------|----------|-----------|
| NDS-AN-NB-01 | Regional Block Principles   | Nerve-block fundamentals.      | 7 hrs    | ₹ 13,500  |
| NDS-AN-NB-02 | Peripheral Nerve Blocks     | Block-technique.               | 7 hrs    | ₹ 13,500  |
| NDS-AN-NB-03 | Block Anatomy & Landmarks   | Landmark-based blocks.         | 7 hrs    | ₹ 13,500  |
| NDS-AN-NB-04 | Regional Anaesthesia Safety | Block-complication prevention. | 6 hrs    | ₹ 11,500  |

# Dental Nerve Blocks & Techniques

Intraoral anaesthesia

4  
PROTOCOLS

| CODE         | PROTOCOL                        | DESCRIPTION                        | DURATION | FEE (INR) |
|--------------|---------------------------------|------------------------------------|----------|-----------|
| NDS-AN-DN-01 | Inferior Alveolar Nerve Block   | IANB technique.                    | 7 hrs    | ₹ 14,000  |
| NDS-AN-DN-02 | Maxillary Nerve Blocks          | Maxillary-anaesthesia.             | 7 hrs    | ₹ 14,000  |
| NDS-AN-DN-03 | Supplemental Dental Anaesthesia | Intraligamentary and intraosseous. | 7 hrs    | ₹ 14,000  |
| NDS-AN-DN-04 | Dental Block Troubleshooting    | Failed-anaesthesia management.     | 6 hrs    | ₹ 12,000  |

# LA Complications & Management

Adverse-reaction management

4  
PROTOCOLS

| CODE         | PROTOCOL                | DESCRIPTION                            | DURATION | FEE (INR) |
|--------------|-------------------------|----------------------------------------|----------|-----------|
| NDS-AN-LC-01 | LA Toxicity             | Systemic-toxicity management.          | 7 hrs    | ₹ 13,500  |
| NDS-AN-LC-02 | LA Allergic Reactions   | Hypersensitivity management.           | 7 hrs    | ₹ 13,500  |
| NDS-AN-LC-03 | Local Complications     | Haematoma and paraesthesia management. | 6 hrs    | ₹ 11,500  |
| NDS-AN-LC-04 | LA Emergency Management | Acute-reaction management.             | 6 hrs    | ₹ 11,500  |

# Inhalation Sedation (Nitrous Oxide)

Inhalation sedation

4  
PROTOCOLS

| CODE        | PROTOCOL                         | DESCRIPTION                    | DURATION | FEE (INR) |
|-------------|----------------------------------|--------------------------------|----------|-----------|
| NDS-ANIS-01 | Nitrous-Oxide Sedation           | Inhalation-sedation technique. | 7 hrs    | ₹ 13,500  |
| NDS-ANIS-02 | N2O-O2 Titration                 | Titration-protocol.            | 7 hrs    | ₹ 13,500  |
| NDS-ANIS-03 | Inhalation-Sedation Safety       | Scavenging and monitoring.     | 6 hrs    | ₹ 11,500  |
| NDS-ANIS-04 | Inhalation Sedation in Dentistry | Dental-application.            | 6 hrs    | ₹ 11,500  |

# Oral & IV Conscious Sedation

Conscious sedation

4  
PROTOCOLS

| CODE         | PROTOCOL                      | DESCRIPTION              | DURATION | FEE (INR) |
|--------------|-------------------------------|--------------------------|----------|-----------|
| NDS-AN-OS-01 | Oral Conscious Sedation       | Oral-sedation protocols. | 7 hrs    | ₹ 14,000  |
| NDS-AN-OS-02 | IV Conscious Sedation         | IV-sedation technique.   | 8 hrs    | ₹ 16,000  |
| NDS-AN-OS-03 | Sedation Monitoring           | Vital-sign monitoring.   | 7 hrs    | ₹ 14,000  |
| NDS-AN-OS-04 | Sedation Recovery & Discharge | Recovery-criteria.       | 6 hrs    | ₹ 12,000  |

# Deep Sedation & Procedural Sedation

Deep sedation

4  
PROTOCOLS

| CODE         | PROTOCOL                  | DESCRIPTION                    | DURATION | FEE (INR) |
|--------------|---------------------------|--------------------------------|----------|-----------|
| NDS-AN-DS-01 | Deep Sedation Principles  | Deep-sedation overview.        | 7 hrs    | ₹ 14,000  |
| NDS-AN-DS-02 | Procedural Sedation       | Procedure-sedation technique.  | 7 hrs    | ₹ 14,000  |
| NDS-AN-DS-03 | Sedation-Depth Assessment | Depth-monitoring.              | 7 hrs    | ₹ 14,000  |
| NDS-AN-DS-04 | Deep-Sedation Safety      | Rescue-and-recovery protocols. | 6 hrs    | ₹ 12,000  |

# Paediatric Sedation

Child sedation

4  
PROTOCOLS

| CODE                    | PROTOCOL                       | DESCRIPTION              | DURATION | FEE (INR) |
|-------------------------|--------------------------------|--------------------------|----------|-----------|
| <div>NDS-AN-PS-01</div> | Paediatric Sedation Principles | Child-sedation overview. | 7 hrs    | ₹ 13,500  |
| <div>NDS-AN-PS-02</div> | Paediatric Drug Selection      | Age-based dosing.        | 7 hrs    | ₹ 13,500  |
| <div>NDS-AN-PS-03</div> | Paediatric Sedation Monitoring | Child-monitoring.        | 6 hrs    | ₹ 11,500  |
| <div>NDS-AN-PS-04</div> | Paediatric Sedation Safety     | Child-rescue protocols.  | 6 hrs    | ₹ 11,500  |

# General Anaesthesia Principles

GA fundamentals

| CODE         | PROTOCOL                       | DESCRIPTION            | DURATION | FEE (INR) |
|--------------|--------------------------------|------------------------|----------|-----------|
| NDS-AN-GA-01 | General Anaesthesia Principles | GA-fundamentals.       | 7 hrs    | ₹ 13,500  |
| NDS-AN-GA-02 | Stages of Anaesthesia          | Depth-stages overview. | 6 hrs    | ₹ 11,500  |
| NDS-AN-GA-03 | Balanced Anaesthesia           | Multi-agent technique. | 7 hrs    | ₹ 13,500  |
| NDS-AN-GA-04 | GA Indications in Dentistry    | Dental-GA relevance.   | 6 hrs    | ₹ 11,500  |

# Inhalational Anaesthetics

Volatile agents

4  
PROTOCOLS

| CODE         | PROTOCOL                        | DESCRIPTION                   | DURATION | FEE (INR) |
|--------------|---------------------------------|-------------------------------|----------|-----------|
| NDS-AN-IH-01 | Inhalational Agent Pharmacology | Volatile-agent overview.      | 7 hrs    | ₹ 12,500  |
| NDS-AN-IH-02 | MAC & Potency                   | Anaesthetic-potency concepts. | 6 hrs    | ₹ 11,000  |
| NDS-AN-IH-03 | Inhalational Induction          | Gas-induction technique.      | 6 hrs    | ₹ 11,000  |
| NDS-AN-IH-04 | Inhalational Agent Safety       | Adverse-effect management.    | 6 hrs    | ₹ 11,000  |

# Intravenous Anaesthetics

IV agents and TIVA

4  
PROTOCOLS

| CODE                    | PROTOCOL              | DESCRIPTION                | DURATION | FEE (INR) |
|-------------------------|-----------------------|----------------------------|----------|-----------|
| <div>NDS-AN-IV-01</div> | IV Induction Agents   | IV-anaesthetic overview.   | 7 hrs    | ₹ 12,500  |
| <div>NDS-AN-IV-02</div> | Propofol & TIVA       | Total-IV-anaesthesia.      | 7 hrs    | ₹ 12,500  |
| <div>NDS-AN-IV-03</div> | IV Agent Pharmacology | IV-drug handling.          | 6 hrs    | ₹ 11,000  |
| <div>NDS-AN-IV-04</div> | IV Anaesthesia Safety | Adverse-effect management. | 6 hrs    | ₹ 11,000  |

# Muscle Relaxants & Reversal

Neuromuscular blockade

4  
PROTOCOLS

| CODE         | PROTOCOL                         | DESCRIPTION               | DURATION | FEE (INR) |
|--------------|----------------------------------|---------------------------|----------|-----------|
| NDS-AN-MR-01 | Neuromuscular Blockers           | Muscle-relaxant overview. | 7 hrs    | ₹ 12,500  |
| NDS-AN-MR-02 | Depolarising vs Non-Depolarising | Relaxant-classification.  | 7 hrs    | ₹ 12,500  |
| NDS-AN-MR-03 | Neuromuscular Monitoring         | Block-monitoring.         | 6 hrs    | ₹ 11,000  |
| NDS-AN-MR-04 | Reversal Agents                  | Reversal-pharmacology.    | 6 hrs    | ₹ 11,000  |

# Induction & Maintenance

Anaesthesia conduct

4  
PROTOCOLS

| CODE         | PROTOCOL                   | DESCRIPTION             | DURATION | FEE (INR) |
|--------------|----------------------------|-------------------------|----------|-----------|
| NDS-AN-IB-01 | Anaesthesia Induction      | Induction-technique.    | 7 hrs    | ₹ 12,500  |
| NDS-AN-IB-02 | Anaesthesia Maintenance    | Maintenance-management. | 7 hrs    | ₹ 12,500  |
| NDS-AN-IB-03 | Emergence from Anaesthesia | Recovery-management.    | 6 hrs    | ₹ 11,000  |
| NDS-AN-IB-04 | Intraoperative Adjustment  | Depth-titration.        | 6 hrs    | ₹ 11,000  |

# Airway Assessment & Management

Basic airway

4  
PROTOCOLS

| CODE         | PROTOCOL                    | DESCRIPTION                       | DURATION | FEE (INR) |
|--------------|-----------------------------|-----------------------------------|----------|-----------|
| NDS-AN-AW-01 | Airway Anatomy & Assessment | Airway-evaluation.                | 7 hrs    | ₹ 14,000  |
| NDS-AN-AW-02 | Basic Airway Management     | Mask and bag-valve technique.     | 7 hrs    | ₹ 14,000  |
| NDS-AN-AW-03 | Supraglottic Airway Devices | LMA-technique.                    | 7 hrs    | ₹ 14,000  |
| NDS-AN-AW-04 | Airway Adjuncts             | Oropharyngeal and nasopharyngeal. | 6 hrs    | ₹ 12,000  |

# Intubation & Advanced Airway

Intubation technique

4  
PROTOCOLS

| CODE         | PROTOCOL                          | DESCRIPTION              | DURATION | FEE (INR) |
|--------------|-----------------------------------|--------------------------|----------|-----------|
| NDS-AN-IT-01 | Endotracheal Intubation           | Intubation-technique.    | 8 hrs    | ₹ 16,000  |
| NDS-AN-IT-02 | Laryngoscopy & Video-Laryngoscopy | Visualisation-technique. | 7 hrs    | ₹ 14,000  |
| NDS-AN-IT-03 | Nasal & Fibreoptic Intubation     | Advanced-intubation.     | 7 hrs    | ₹ 14,000  |
| NDS-AN-IT-04 | Intubation Confirmation & Care    | Tube-management.         | 6 hrs    | ₹ 12,000  |

# Difficult Airway Management

Airway emergencies

**4**  
PROTOCOLS

| CODE         | PROTOCOL                            | DESCRIPTION           | DURATION | FEE (INR) |
|--------------|-------------------------------------|-----------------------|----------|-----------|
| NDS-AN-DA-01 | Difficult-Airway Prediction         | Risk-prediction.      | 7 hrs    | ₹ 14,500  |
| NDS-AN-DA-02 | Difficult-Airway Algorithm          | Management-algorithm. | 8 hrs    | ₹ 17,000  |
| NDS-AN-DA-03 | Surgical Airway<br>(Cricothyrotomy) | Emergency-airway.     | 8 hrs    | ₹ 17,000  |
| NDS-AN-DA-04 | Failed-Airway Management            | Rescue-protocols.     | 6 hrs    | ₹ 12,500  |

# Intraoperative Monitoring

Patient monitoring

4  
PROTOCOLS

| CODE         | PROTOCOL                         | DESCRIPTION             | DURATION | FEE (INR) |
|--------------|----------------------------------|-------------------------|----------|-----------|
| NDS-AN-MO-01 | Intraoperative Monitoring        | Standard-monitoring.    | 7 hrs    | ₹ 13,500  |
| NDS-AN-MO-02 | Cardiovascular Monitoring        | ECG and BP monitoring.  | 7 hrs    | ₹ 13,500  |
| NDS-AN-MO-03 | Respiratory & Capnography        | Ventilation-monitoring. | 6 hrs    | ₹ 11,500  |
| NDS-AN-MO-04 | Depth & Neuromuscular Monitoring | Advanced-monitoring.    | 6 hrs    | ₹ 11,500  |

# Fluid, Electrolyte & Transfusion Management

Perioperative support

4  
PROTOCOLS

| CODE         | PROTOCOL                       | DESCRIPTION             | DURATION | FEE (INR) |
|--------------|--------------------------------|-------------------------|----------|-----------|
| NDS-AN-FE-01 | Perioperative Fluid Management | Fluid-therapy.          | 7 hrs    | ₹ 12,500  |
| NDS-AN-FE-02 | Electrolyte Management         | Electrolyte-correction. | 7 hrs    | ₹ 12,500  |
| NDS-AN-FE-03 | Transfusion in Anaesthesia     | Blood-management.       | 6 hrs    | ₹ 11,000  |
| NDS-AN-FE-04 | Fluid-Balance Monitoring       | Volume-assessment.      | 6 hrs    | ₹ 11,000  |

# Recovery & Post-Anaesthesia Care

PACU management

4  
PROTOCOLS

| CODE         | PROTOCOL               | DESCRIPTION                      | DURATION | FEE (INR) |
|--------------|------------------------|----------------------------------|----------|-----------|
| NDS-AN-RC-01 | Post-Anaesthesia Care  | Recovery-management.             | 7 hrs    | ₹ 12,500  |
| NDS-AN-RC-02 | PACU Monitoring        | Recovery-room monitoring.        | 7 hrs    | ₹ 12,500  |
| NDS-AN-RC-03 | Recovery Complications | Post-op-complication management. | 6 hrs    | ₹ 11,000  |
| NDS-AN-RC-04 | Discharge Criteria     | Recovery-discharge.              | 6 hrs    | ₹ 11,000  |

# Anaesthetic Emergencies & Crises

Critical events

4  
PROTOCOLS

| CODE         | PROTOCOL                          | DESCRIPTION                | DURATION | FEE (INR) |
|--------------|-----------------------------------|----------------------------|----------|-----------|
| NDS-AN-EM-01 | Anaesthetic-Emergency Recognition | Crisis-identification.     | 7 hrs    | ₹ 14,500  |
| NDS-AN-EM-02 | Malignant Hyperthermia            | MH-management.             | 8 hrs    | ₹ 17,000  |
| NDS-AN-EM-03 | Anaphylaxis Under Anaesthesia     | Acute-allergy management.  | 7 hrs    | ₹ 14,500  |
| NDS-AN-EM-04 | Cardiac & Respiratory Crises      | Critical-event management. | 6 hrs    | ₹ 12,500  |

# Resuscitation & Life Support

CPR and ACLS

4  
PROTOCOLS

| CODE         | PROTOCOL                             | DESCRIPTION          | DURATION | FEE (INR) |
|--------------|--------------------------------------|----------------------|----------|-----------|
| NDS-AN-RE-01 | Basic Life Support                   | CPR-fundamentals.    | 7 hrs    | ₹ 14,500  |
| NDS-AN-RE-02 | Advanced Cardiac Life Support        | ACLS-protocols.      | 8 hrs    | ₹ 17,000  |
| NDS-AN-RE-03 | Resuscitation Drugs & Defibrillation | Acute-resuscitation. | 7 hrs    | ₹ 14,500  |
| NDS-AN-RE-04 | Resuscitation Drills                 | Team-resuscitation.  | 6 hrs    | ₹ 12,500  |

# Anaesthesia in Medically-Compromised

Risk-adapted anaesthesia

4  
PROTOCOLS

| CODE         | PROTOCOL                           | DESCRIPTION                 | DURATION | FEE (INR) |
|--------------|------------------------------------|-----------------------------|----------|-----------|
| NDS-AN-MC-01 | Anaesthesia in Cardiac Patients    | Cardiac-risk anaesthesia.   | 7 hrs    | ₹ 14,000  |
| NDS-AN-MC-02 | Anaesthesia in Respiratory Disease | Pulmonary-risk anaesthesia. | 7 hrs    | ₹ 14,000  |
| NDS-AN-MC-03 | Anaesthesia in Diabetics & Renal   | Metabolic-risk anaesthesia. | 7 hrs    | ₹ 14,000  |
| NDS-AN-MC-04 | Risk-Adapted Anaesthesia           | Modified-care planning.     | 6 hrs    | ₹ 12,000  |

# Anaesthesia for Special Populations

Geriatric and obstetric

4  
PROTOCOLS

| CODE         | PROTOCOL                         | DESCRIPTION                  | DURATION | FEE (INR) |
|--------------|----------------------------------|------------------------------|----------|-----------|
| NDS-AN-OB-01 | Geriatric Anaesthesia            | Elderly-anaesthesia.         | 7 hrs    | ₹ 13,500  |
| NDS-AN-OB-02 | Obstetric Anaesthesia Basics     | Maternal-anaesthesia.        | 7 hrs    | ₹ 13,500  |
| NDS-AN-OB-03 | Anaesthesia in Special Needs     | Disability-anaesthesia.      | 6 hrs    | ₹ 11,500  |
| NDS-AN-OB-04 | Comorbidity Anaesthesia Planning | Special-population planning. | 6 hrs    | ₹ 11,500  |

# Office-Based & Outpatient Anaesthesia

Ambulatory anaesthesia

4  
PROTOCOLS

| CODE         | PROTOCOL                       | DESCRIPTION                  | DURATION | FEE (INR) |
|--------------|--------------------------------|------------------------------|----------|-----------|
| NDS-AN-OF-01 | Office-Based Anaesthesia       | Outpatient-anaesthesia.      | 7 hrs    | ₹ 14,000  |
| NDS-AN-OF-02 | Day-Care Anaesthesia           | Ambulatory-anaesthesia.      | 7 hrs    | ₹ 14,000  |
| NDS-AN-OF-03 | Office Sedation Safety         | Outpatient-safety standards. | 7 hrs    | ₹ 14,000  |
| NDS-AN-OF-04 | Outpatient Discharge Protocols | Day-care-discharge.          | 6 hrs    | ₹ 12,000  |

# Acute & Chronic Pain Management

Analgesia

4  
PROTOCOLS

| CODE         | PROTOCOL                     | DESCRIPTION              | DURATION | FEE (INR) |
|--------------|------------------------------|--------------------------|----------|-----------|
| NDS-AN-PM-01 | Acute Pain Management        | Post-op-pain control.    | 7 hrs    | ₹ 13,500  |
| NDS-AN-PM-02 | Multimodal Analgesia         | Combined-pain therapy.   | 7 hrs    | ₹ 13,500  |
| NDS-AN-PM-03 | Chronic Pain Management      | Persistent-pain therapy. | 6 hrs    | ₹ 11,500  |
| NDS-AN-PM-04 | Patient-Controlled Analgesia | PCA-technique.           | 6 hrs    | ₹ 11,500  |

# Orofacial Pain & Anaesthesia

Interventional facial pain

4  
PROTOCOLS

| CODE         | PROTOCOL                          | DESCRIPTION                  | DURATION | FEE (INR) |
|--------------|-----------------------------------|------------------------------|----------|-----------|
| NDS-AN-OP-01 | Orofacial Pain & Anaesthesia      | Facial-pain anaesthesia.     | 7 hrs    | ₹ 14,000  |
| NDS-AN-OP-02 | Nerve-Block Pain Therapy          | Therapeutic-block technique. | 7 hrs    | ₹ 14,000  |
| NDS-AN-OP-03 | Neuropathic Pain Interventions    | Interventional-pain.         | 7 hrs    | ₹ 14,000  |
| NDS-AN-OP-04 | Chronic Orofacial Pain Management | Long-term-pain care.         | 6 hrs    | ₹ 12,000  |

# Ultrasound-Guided Anaesthesia

Image-guided techniques

4  
PROTOCOLS

| CODE         | PROTOCOL                      | DESCRIPTION                   | DURATION | FEE (INR) |
|--------------|-------------------------------|-------------------------------|----------|-----------|
| NDS-AN-US-01 | Ultrasound-Guided Anaesthesia | US-guided-block fundamentals. | 8 hrs    | ₹ 24,000  |
| NDS-AN-US-02 | US Nerve-Block Technique      | Image-guided blocks.          | 8 hrs    | ₹ 24,000  |
| NDS-AN-US-03 | US Vascular Access            | US-guided cannulation.        | 7 hrs    | ₹ 21,000  |
| NDS-AN-US-04 | US Airway & Diagnostics       | Point-of-care US.             | 7 hrs    | ₹ 21,000  |

SUB-STREAM • AN-SM

# Anaesthesia Simulation & Training

Simulation-based learning

4  
PROTOCOLS

| CODE         | PROTOCOL                        | DESCRIPTION                | DURATION | FEE (INR) |
|--------------|---------------------------------|----------------------------|----------|-----------|
| NDS-AN-SM-01 | Anaesthesia Simulation Training | Simulation-based learning. | 8 hrs    | ₹ 22,500  |
| NDS-AN-SM-02 | Crisis-Resource Management      | Team-training simulation.  | 8 hrs    | ₹ 22,500  |
| NDS-AN-SM-03 | Skill & Scenario Simulation     | Procedural-simulation.     | 7 hrs    | ₹ 19,500  |
| NDS-AN-SM-04 | Simulation Debriefing           | Performance-review.        | 6 hrs    | ₹ 17,000  |

# AI & Digital Anaesthesia Monitoring

Automated and predictive systems

4  
PROTOCOLS

| CODE         | PROTOCOL                         | DESCRIPTION                     | DURATION | FEE (INR) |
|--------------|----------------------------------|---------------------------------|----------|-----------|
| NDS-AN-AI-01 | AI in Anaesthesia Monitoring     | Automated-monitoring.           | 9 hrs    | ₹ 34,000  |
| NDS-AN-AI-02 | Closed-Loop Anaesthesia          | Automated-delivery systems.     | 9 hrs    | ₹ 34,000  |
| NDS-AN-AI-03 | Predictive Anaesthetic Analytics | Risk-prediction-AI.             | 8 hrs    | ₹ 30,500  |
| NDS-AN-AI-04 | Digital Anaesthesia Records      | Electronic-anaesthesia systems. | 7 hrs    | ₹ 26,500  |

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