

## Pathology Training

# Pathology Training Program

NTHRYS Biotech Labs offers Pathology Training Program under below mentioned protocols. Candidates can opt their interested protocols from the list below. Please click **Join** button to pay the fee for selected protocol. Fees should be paid individually for all the selected protocols separately by clicking the button. Please save the payment proofs and send them as an attachment to

**trainings [ a t ] nthrys [ d o t ] com** to receive payment invoices and slot confirmations.

Please Check Modules as well as individual protocols (if any) under this training program. Module has its fee given in the fee structure table and individual fee in its block. Please communicate with our Help Desk Team via whatsapp on +91-8977624748 for any queries.

### Modules

## Anatomic Pathology

### Surgical Pathology

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- Gross Examination
- Frozen Section Procedure
- Histological Staining (including routine and special stains)
- Immunohistochemistry
- In Situ Hybridization
- Molecular Pathology Techniques (e.g., PCR, FISH)
- Electron Microscopy
- Lymph Node Mapping
- Tumor Margin Analysis

### Cytopathology

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- Pap Smear
- Fine Needle Aspiration (FNA)

- Exfoliative Cytology
- Fluid Cytology
- Brush Cytology
- Washings Cytology
- Computer-assisted Screening
- HPV Testing and Typing

#### Dermatopathology

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- Direct Immunofluorescence
- Indirect Immunofluorescence
- Skin Biopsy (Punch, Shave, Excisional)
- Special Stains for Fungi and Bacteria
- Electron Microscopy
- Molecular Diagnostics (for genetic skin disorders)
- Patch Testing (for allergic contact dermatitis)

#### Forensic Pathology

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- Autopsy (Complete, Partial, and External Examination)
- Postmortem Toxicology
- Virtual Autopsy (Radiologic Techniques)
- Histological Examination of Tissues
- Forensic Photography
- Reconstruction Techniques

#### Neuropathology

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- Brain Biopsy
- Cerebrospinal Fluid Analysis
- Immunohistochemistry for Neurodegenerative Diseases
- Electron Microscopy for Ultrastructural Analysis
- Plaque and Tangle Staining (for Alzheimers Disease)
- Muscle and Nerve Biopsies

#### Pediatric Pathology

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- Placental Examination
- Pediatric Autopsy
- Biopsy Evaluation of Congenital Malformations
- Special Genetic and Metabolic Testing
- Neonatal Screening Tests
- Fetal Autopsy

#### Histopathology

## Pathology Training

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- Routine Hematoxylin and Eosin Staining
- Immunohistochemical Staining
- In Situ Hybridization
- Electron Microscopy
- Special Stains (for microorganisms, specific cell types, etc.)
- Molecular Testing (for specific gene alterations)

## Clinical Pathology

### Hematology

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- Complete Blood Count (CBC)
- Bone Marrow Aspiration and Biopsy
- Coagulation Testing
- Flow Cytometry
- Hemoglobin Electrophoresis
- Erythrocyte Sedimentation Rate (ESR)

### Chemical Pathology

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- Liver Function Tests (LFTs)
- Renal Function Tests
- Electrolyte Panels
- Thyroid Function Tests
- Lipid Profiles

### Medical Microbiology

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- Culture and Sensitivity Testing
- Gram Staining
- Acid-Fast Bacillus (AFB) Staining
- Polymerase Chain Reaction (PCR) for Pathogen Detection
- Serological Tests

### Immunopathology

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- Immunofluorescence
- ELISA (Enzyme-Linked Immunosorbent Assay)
- Western Blot
- Immunophenotyping
- Complement Levels

### Molecular Pathology

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- Real-Time PCR
- Gene Sequencing
- FISH (Fluorescence In Situ Hybridization)
- Molecular Cloning
- Genetic Screening

### Blood Banking/Transfusion Medicine

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- Blood Typing and Crossmatching
- Antibody Screening
- Donor Management
- Blood Component Preparation
- Transfusion Reactions Management

### Clinical Biochemistry

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- Metabolic Panel
- Enzyme Analysis
- Hormone Assays
- Toxicology Testing
- Therapeutic Drug Monitoring

### Genetics

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- Chromosome Analysis (Karyotyping)
- Genetic Counseling
- DNA Microarray
- Whole Genome Sequencing
- Pharmacogenomics Testing

**Please choose a suitable time slot and inform our team via WhatsApp on +91-8977624748 (located at the top right corner) to receive the payment link for fee payment and slot confirmation.**

### **Training based on Individual Protocols**

