



Oncology

# Oncology Training

Training Categories

**Contact +91-8977624748 for joining process**

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Browse Oncology training programs at NTHRYS Biotech Labs across the categories below.

## CATEGORIES

### **Cancer Cell Morphology and Identification**

Hands-on training for laboratory technicians to recognize and classify malignant cells under microscopy for accurate diagnostic pathology.

### **Chemotherapy Drug Preparation and Safety**

Specialized certification program teaching oncology nurses and pharmacy technicians safe handling, mixing, and administration of cytotoxic chemotherapy agents.

### **Tumor Marker Testing and Interpretation**

Training for laboratory professionals on collection, analysis, and clinical interpretation of biomarkers and tumor-specific proteins in cancer diagnostics.

### **Immunohistochemistry Staining Techniques**

Advanced hands-on workshop for histotechnologists performing antibody-based tissue staining and immunological marker detection in cancer specimens.

### **Flow Cytometry Operation and Analysis**

Practical training for medical technologists on operating flow cytometry instruments and analyzing hematologic malignancies through cellular profiling.

### **FISH Testing in Cancer Diagnostics**

Specialist certification for laboratory professionals performing fluorescence in situ hybridization testing for chromosomal abnormalities in cancer cells.

### **Oncology Patient Education and Counseling**

Professional development program for nurses and counselors to deliver evidence-based education and psychosocial support to cancer patients and families.

### **Radiation Safety and Protection Training**

Mandatory compliance certification for oncology staff working with radioactive materials and radiation therapy equipment in treatment centers.

### **Biopsy Collection and Sample Handling**

Practical workshop training phlebotomists and technicians on proper tissue collection, preservation, and chain-of-custody procedures for cancer diagnostics.

### **Digital Pathology and Image Analysis**

Technical training for pathologists and technicians on whole-slide imaging systems and AI-assisted diagnostic software for cancer specimen analysis.

### **Cancer Registry Documentation and Coding**

Certification program for cancer registrars on proper staging, TNM classification, coding standards, and tumor registry data management.

### **Breast Cancer Screening and Mammography**

Specialized training for radiologic technologists and nurses on mammography techniques, BI-RADS classification, and early breast cancer detection.

### **Colorectal Cancer Screening Protocols**

Professional development program for endoscopy technicians on colonoscopy procedures, polyp identification, and colorectal cancer prevention techniques.

### **Liquid Biopsy and Circulating Tumor DNA**

Advanced training for laboratory professionals on extracting, analyzing, and interpreting cell-free DNA and circulating tumor cells for cancer detection.

### **Genomic Sequencing Data Interpretation**

Specialist certification for genetic counselors and technicians on analyzing next-generation sequencing results for cancer predisposition and treatment planning.

### **Immunotherapy and Checkpoint Inhibitors**

Clinical training for oncology nurses and physicians on mechanism, administration, and adverse event management of immune checkpoint inhibitor therapies.

### **Targeted Therapy Drug Administration**

Specialized program training nurses on precision medicine agents, pharmacogenomics testing, and tailored treatment delivery for molecular-matched cancers.

### **Radiation Oncology Physics Fundamentals**

Technical certification for radiation therapists and physicists on dosimetry, treatment planning, and quality assurance in external beam radiation therapy.

### **Brachytherapy Technique and Safety**

Advanced hands-on training for radiation oncology specialists on radioactive implant placement, dose calculations, and safety protocols for internal radiation therapy.

### **Surgical Oncology Instrumentation**

Practical training for surgical technologists on specialized instruments, specimen handling, and sterile techniques specific to cancer surgeries.

### **Lymph Node Assessment in Cancer**

Clinical workshop for surgeons and pathologists on sentinel lymph node mapping, dissection techniques, and metastatic disease staging.

### **Pathology Laboratory Quality Control**

Compliance training for laboratory supervisors on equipment maintenance, proficiency testing, and quality assurance

standards in cancer diagnostics.

### **Clinical Trial Protocol Implementation**

Professional certification for research coordinators and nurses on enrolling patients, managing protocols, and ensuring regulatory compliance in oncology trials.

### **Oncology Electronic Health Record Systems**

Software training for oncology staff on specialized EHR platforms including treatment planning, chemotherapy ordering, and clinical documentation.

### **Pain Management in Cancer Care**

Professional development program for nurses and physicians on opioid prescribing, palliative care integration, and symptom management strategies.

### **Palliative Care and Hospice Basics**

Training program for oncology professionals on end-of-life care principles, advance care planning, and supportive services for advanced cancer patients.

### **Hematologic Malignancy Classification**

Specialist training for hematology technicians and pathologists on WHO classification systems, morphology, and flow cytometry panels for leukemias and lymphomas.

### **Cytogenetics and Cancer Chromosomes**

Advanced workshop for laboratory professionals performing karyotyping, metaphase analysis, and detecting chromosomal abnormalities in malignant cells.

### **Biomarker Panel Development and Testing**

Technical training for laboratory directors on designing, validating, and implementing multi-marker assays for cancer detection and prognosis.

### **Oncology Pharmacology and Drug Interactions**

Professional certification for oncology pharmacists on chemotherapy mechanisms, metabolism, drug-drug interactions, and dose adjustments in cancer treatment.

### **Side Effect Management and Toxicity Grading**

Nursing and clinical training on CTCAE toxicity scales, adverse event reporting, and evidence-based management of chemotherapy and radiation side effects.

### **Infusion Pump Programming and Safety**

Hands-on technical training for nurses on operating chemotherapy infusion pumps, programming protocols, and device troubleshooting and safety checks.

### **Central Line and Port Maintenance**

Practical certification for oncology nurses on Hickman line, PICC line, and implanted port care, maintenance, and infection prevention techniques.

### **Specimen Processing in Oncology Labs**

Hands-on training for histology technicians on fixation, embedding, microtomy, and slide preparation of cancer tissue samples for pathologic examination.

### **Cancer Staging and TNM Classification**

Professional workshop for physicians and registrars on TNM staging system, prognostic factors, and risk stratification across multiple cancer types.

### **Genetic Counseling for Cancer Risk**

Specialized training for genetic counselors on hereditary cancer syndromes, genetic testing interpretation, and risk management counseling for patients and families.

### **Occupational Safety in Oncology Units**

Mandatory compliance training for all oncology staff on hazardous drug handling, exposure prevention, and workplace safety regulations.

### **Cancer Surveillance and Follow-up Protocols**

Clinical training for oncology nurses on post-treatment surveillance scheduling, recurrence detection, and long-term survivorship care strategies.

### **Tumor Microenvironment and Immunology**

Advanced scientific training for researchers and pathologists on immune cell infiltration, stromal interactions, and their role in cancer progression.

### **Precision Medicine Testing Workflows**

Technical certification for laboratory professionals on designing and implementing precision oncology testing panels and result reporting systems.

### **Oncology Data Management and Analytics**

Software and analytics training for cancer registry and research professionals on data collection, quality control, and statistical analysis methods.

### **Metastatic Cancer Site Assessment**

Clinical training for imaging specialists and pathologists on identifying, staging, and reporting metastatic disease across multiple organ systems.

### **Pediatric Oncology Treatment Protocols**

Specialized nursing and medical training on pediatric cancer treatment modifications, dosing calculations, and developmental considerations in young patients.

### **Acute Leukemia Management Basics**

Clinical training for hematology-oncology nurses on acute leukemia diagnosis, intensive chemotherapy protocols, and complications management.

### **Lymphoma Pathology and Treatment**

Specialist program for pathologists and oncologists on lymphoma classification, immunophenotyping, and treatment selection across Hodgkin and non-Hodgkin subtypes.

### **Solid Tumor Resection Techniques**

Surgical skills training for oncologic surgeons on margin assessment, en bloc resection, and specimen orientation for optimal cancer outcomes.

### **Image-Guided Biopsy Procedures**

Technical training for interventional radiologists and pathologists on ultrasound, CT, and MRI-guided needle biopsies for cancer diagnosis.

### **Hormone Receptor Testing Protocols**

Laboratory certification for technologists on estrogen and progesterone receptor testing, interpretation, and quality control in breast cancer specimens.

### **HER2 Testing and Interpretation**

Specialist training for pathologists and technicians on immunohistochemistry and in situ hybridization HER2 testing in breast and gastric cancers.

### **Microsatellite Instability and MMR Testing**

Advanced laboratory training on detecting mismatch repair deficiency and microsatellite instability for immunotherapy candidate identification in colorectal cancer.