

MD ANDERSON PROTON THERAPY EDUCATION PROGRAM

# INTERNATIONAL PROTON THERAPY TRAINING

Feb. 24 - March 7, 2020



THE UNIVERSITY OF TEXAS  
**MD Anderson**  
**Cancer Center**<sup>®</sup>  
Proton Therapy



## OVERVIEW INFORMATION

The University of Texas MD Anderson Cancer Center is proud to offer a training program for health care professionals interested in the practical aspects of operating a proton therapy treatment center. MD Anderson's Proton Therapy Center is one of the largest and most successful proton therapy treatment operations in the world.

With this training, you will learn from MD Anderson's physicians, researchers, administrators and staff about all aspects of proton therapy treatment and operations. The training program is divided into two one-week sessions that can be taken individually or together. These sessions cover:

### WEEK 1

#### CLINICAL & OPERATIONS

including service and maintenance organization; business services; clinical research; and disease-specific lectures.

### WEEK 2

#### PHYSICS & DOSIMETRY

including commissioning of both Passive Scattering and Spot Scanning; Dose Calculation Algorithms; Motion Management; Verification and Adaptive planning; Machine and Patient-specific QA; and Treatment Planning for disease-specific sites.

Courses are designed for physicians, physicists, dosimetrists, therapists, and administrators.

## TWO WEEK TRAINING COURSE

### WEEK 1 | CLINICAL & OPERATIONS

**MONDAY** - Introduction to Proton Therapy; Clinical and Physics; Operations & Facilities; Service and Maintenance Organization

**TUESDAY** - Disease-specific presentations (H&N); Nursing; Child Life Advocacy; Social Work; Radiation Therapy Observation

**WEDNESDAY** - Disease-specific presentations (Thoracic; GI; CNS); Clinical Nutrition

**THURSDAY** - Business services; Pediatric Anesthesia; Mid-Level Provider; Quality and Safety; Disease-specific presentations (Pediatric)

**FRIDAY** - Disease-specific presentations (GU); Clinical research; International Patient Center; Language Assistance

### WEEK 2 | PHYSICS & TREATMENT PLANNING

**MONDAY** - Physics: Treatment Planning System Configuration; Dose Calculation Algorithms; Treatment Planning system commissioning; Introduction to Motion Management

**TUESDAY** - Physics: Commissioning Passive Scattering and Spot Scanning; Introduction to Robust Optimization; Verification and Adaptive planning; Advanced Motion Management

**WEDNESDAY** - Physics: Advanced Optimization for Scanning Beam; Machine QA for Passive Scattering and Spot Scanning; Patient-specific QA for Passive Scattering and Spot Scanning

**THURSDAY** - Overview of Proton Therapy Treatment Planning; Treatment Planning & Demo for disease-specific sites (GU +/- lymph nodes; Thoracic; H&N)

**FRIDAY** - Treatment Planning & Demo for disease-specific sites (Breast; Chest Wall; GI; Pediatric CSI; CNS)

**SATURDAY** - Physics Observation

## REGISTRATION FEES

#### PROGRAM 1 CLINICAL & OPERATIONS

Week 1 | 5 days | Monday – Friday  
**\$3,000** registration fee

#### PROGRAM 2 PHYSICS

Week 2 | 3 days | Monday – Wednesday  
**\$2,600** registration fee

#### PROGRAM 3 TREATMENT PLANNING

Week 2 | 2 days | Thursday – Friday  
**\$1,800** registration fee

#### PROGRAM 4 PHYSICS & TREATMENT PLANNING

Week 2 | 6 days | Monday – Saturday  
**\$4,800** registration fee

#### PROGRAM 5 CLINICAL & OPERATIONS TREATMENT PLANNING & PHYSICS

Weeks 1 & 2 | 11 days | Monday – Saturday  
**\$7,800** registration fee

A 15% discount will be given to attendees from our [sister institutions](#).

## CONTACT INFORMATION

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### REGISTRATION

[mdanderson.org/conferences](https://www.mdanderson.org/conferences)

#### Educational Objectives

After attending the activity, participants should be able to:

- Incorporate the skills learned through hands-on practice sessions to better prepare for proton therapy treatments, thus improving patient outcomes (*knowledge, competence, performance, patient outcomes*)
- Incorporate knowledge on the responsibilities of dosimetrists, physicists and nurses in the treatment of proton therapy and the importance of their roles to provide optimal patient care (*knowledge, competence, performance, patient outcomes*)
- Apply the knowledge of treatment planning and operations to perform proton therapy in respective centers/locations (*knowledge, competence*)
- Gain a greater appreciation and perspective of the steps and personnel needed to perform quality proton therapy (*knowledge*)

#### Accreditation/Credit Designation

The University of Texas MD Anderson Cancer Center is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The University of Texas MD Anderson Cancer Center designates this live activity for a maximum of 62.50 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

CAMPEP - credit approval is pending

MDCB - credit approval is pending

ASRT - credit approval is pending