Johns Hopkins School of Medicine
Department of Radiation Oncology and Molecular Radiation Sciences
and the Johns Hopkins Proton Therapy Center
present the
Johns Hopkins Proton Therapy Certificate Course
Online Pre-Requisite Course: Available March 27, 2026 – June 30, 2026
In-Person course: April 10-11, 2026

This program is a combination of self-paced online modules (7 hours) followed by a 2-day in-person conference in Washington, DC, from April 10-11, 2026.

This activity has been approved for *AMA PRA Category 1 Credits™*.

DESCRIPTION

Intensity modulated proton therapy is a technologically advanced and complex form of radiation therapy for the treatment of cancer. Understanding the appropriate indications, utilization, benefits, and drawbacks of this modality will allow for implementation of the highest quality.

The certificate course is designed for radiation oncologists, radiation oncologists-in-training, medical physicists, amd medical physicists in training to obtain a broad understanding of the fundamentals of proton therapy, clinical evidence for proton therapy across disease sites, proton planning principles, and potential future directions of proton research and implementation. Participants will gain an understanding of intensity modulated proton therapy and its nuanced indications, benefits, pitfalls, and considerations, which continue to evolve over time in the context of research advancements. Understanding the appropriate utilization of proton therapy will enhance the clinical practice of radiation oncology, and in particular, the incorporation of proton therapy as a radiation modality into routine clinical practice.

The activity consists of a virtual component of lectures (7 hours) as well as an in-person, two-day, meeting held at the Johns Hopkins Proton Therapy Center at Sibley Memorial Hospital in Washington, D.C.

Participants who complete the course will receive a Certificate of Completion and will be eligible upon attestation for continuing medical education credits signifying completion of this comprehensive proton therapy course.

WHO SHOULD ATTEND

This activity is intended for physicians, physician trainees, medical physicists, amd medical physics trainees in the field of radiation oncology.

OBJECTIVES

After attending this activity, the learner will demonstrate the ability to:

- Recognize the basic physics, rationale, and theoretical advantages and disadvantages of proton therapy.
- Identify the currently available evidence-based guidelines for proton therapy in various adult and pediatric disease sites.
- Explore the evolving and future indications for scanning beam proton therapy.
- Discuss the complexities of the treatment planning processes and practical aspects of treatment delivery for proton therapy.

ACCREDITATION STATEMENT

The Johns Hopkins University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

CREDIT DESIGNATION STATEMENT

The Johns Hopkins University School of Medicine designates this Other Activity/Blended Learning with Digital Modules and Live Sessions for a maximum of 18.5 *AMA PRA Category 1 Credit*s™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

POLICY ON PRESENTER AND PROVIDER DISCLOSURE

It is the policy of the Johns Hopkins School of Medicine that the presenter and provider globally disclose conflicts of interest. The Johns Hopkins School of Medicine OCME has established policies in place to identify and mitigate relevant conflicts of interest prior to this educational activity. Detailed disclosure will be made prior to presentation of the education.

AMERICAN BOARD OF RADIOLOGY (ABR) MAINTENCANCE OF CERTIFICATION (MOC)

The American Board of Radiology (ABR) Maintenance of Certification (MOC) program accepts *AMA PRA Category 1 Credits™* from organizations accredited by the ACCME.

OTHER CREDIT

The Johns Hopkins University has approved this activity for 18.5 **contact hours for non-physicians**.

The Johns Hopkins School of Medicine takes responsibility for the content, quality and scientific integrity of this CME activity.

GENERAL INFORMATION

REGISTRATION
Live, in-person Registration - Friday, April 10, 2026 – 7:30 AM – 8:30 AM
Sibley Memorial Hospital – Building A, Conference Room 1 and 2

LOCATION
Johns Hopkins Proton Therapy Center
Sibley Memorial Hospital
5255 Loughboro Road NW
Building A, Conference Room 1 and 2
Washington, DC 20016

Sibley Memorial Hospital is a member of Johns Hopkins Medicine and located in Northwest Washington, DC. It is a distinguished hospital with a rich history of serving the community since it was founded in 1890. Sibley Memorial is one of the top-ranked hospitals in the region, according to *U.S. News & World Report's* 2023-24 Best Hospitals list. Parking for a fee is available in the Visitors Parking Garage, located next to the Sibley Medical Building. The garage is accessible from Loughboro Road and also from Dalecarlia Parkway. We ask that you park in the Visitors Parking Garage and not park in the neighborhood. **Johns Hopkins is smoke-free.**

FEES
Register Online:
https://medicine.learnmore.jhu.edu/browse/protontherapy/courses/johns-hopkins-proton-therapy-certificate-course-2026

Physicians.....$1,200.00

Residents*/Fellows*/Trainees*.....$600.00
*use coupon code **PROTONTHERAPY26**

Methods of Payment: **Learners must register and submit full payment prior to the start of the activity, no later than 11:55 PM EST on April 3, 2026.** Registration is available through the Office of Online Education. The registration fee includes access to the online modules and in-person attendance at the live activity. Instructional materials, continental breakfasts, refreshment breaks and lunches will be provided during the in-person activity. The Online Modules – pre-requisite must be completed prior to the start of the live course on **April 10, 2026**. You will receive a confirmation by e-mail from Instructure. If you have not received it within 24 hours of registering, email the **Office of Online Education** to confirm that you are registered.

The Johns Hopkins University reserves the right to cancel or postpone any activity due to unforeseen circumstances. In this event, the University will refund the registration fee but is not responsible for travel expenses. Additionally, we reserve the right to change the venue to a comparable venue. Under such circumstances registrants will be notified as soon as possible.

REFUND POLICY

Refunds will only be issued learners who have not yet accessed the online content. Refunds can be requested no later than 11:59 PM EST on April 3, 2026.

SYLLABUS

The syllabus will be accessible online and via your mobile device in **Canvas** prior to the activity.

HOTEL AND TRAVEL INFORMATION

Courtyard by Marriott Bethesda/Chevy Chase 301-656-1500
5520 Wisconsin Avenue
Chevy Chase, Maryland 20815

HOTEL RESERVATION CUT-OFF DATE: MARCH 9, 2026

A limited block of sleeping rooms has been reserved for your convenience and will be available on a first come, first served basis.

The Courtyard Bethesda Chevy Chase provides easy access to Washington, D.C. thanks to the nearby metro station at Friendship Heights, as well as a convenient location near popular local attractions including American University and Chevy Chase Pavilion. This hotel is approximately 2 miles from Sibley Memorial Hospital. Make your reservation online at Marriott Reservations or call the hotel directly and specify that you are attending the **Johns Hopkins Proton Therapy Certificate Course** to receive the special group rate of $189.00 single occupancy, plus tax. On-site parking is available for an additional charge; reduced group parking has been discounted from $30 per car per day to $15 per car per day + tax. Check-in time is 3:00 p.m. Check-out time is 12:00 p.m.

HOW TO OBTAIN CREDIT

Post activity, an online evaluation will be available to attendees to evaluate the activity and individual presentations and to identify future educational needs. Upon completion of the evaluation, the learner must attest to the number of hours in attendance. Credits earned will be added to the learner's transcript and immediately available for print. **The last day to access the evaluation and attest to your credits is May 26, 2026.**

An outcome survey will be sent to all physician attendees within two months post activity to assist us in determining what impact this activity had on the learner's practice.

AMERICANS WITH DISABILITIES ACT

The Johns Hopkins School of Medicine fully complies with the legal requirements of the ADA and the rules and regulations thereof. *Please notify us if you have any special needs.*

TO REGISTER *or* FOR FURTHER INFORMATION

Register Online

https://medicine.learnmore.jhu.edu/browse/protontherapy/courses/johns-hopkins-proton-therapy-certificate-course-2026

General Information	(410) 955-2959
E-mail the Office of CME	cmenet@jhmi.edu
Follow us on X: http://x.com/HopkinsCME	
Facebook: http://www.facebook.com/HopkinsCME	

Check out our mobile app CloudCME.
Organization Code: **HopkinsCME**

For technical assistance with website, CloudCME or credits, please visit our tech support help page: https://hopkinscme.cloud-cme.com/about/help

For general information, please visit the activity webpage at https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=67117

COMMERCIAL SUPPORT

The Johns Hopkins School of Medicine did not solicit or receive commercial funding from any ineligible companies, including pharmaceutical and medical device manufacturers, for this activity.

PROGRAM

Pre-Requisite Digital Modules – available beginning March 27, 2026 - June 30, 2026

Date/Time	Title
30 mins	**Proton Physics Basics** Heng Li, PhD, DABR
30 mins	**Proton Beam Techniques (PS and PBS)** Rachel Ger, PhD
30 mins	**Modulating Beam Delivery and Dosimetry** William "Tom" Hrinivich, PhD, DABR
30 mins	**Proton Radiobiology** Michael Goldstein, MD, PhD

30 mins	**Adult CNS: (Brain) Clinical Indications and Evidence** Carmen Kut, MD, PhD
30 mins	**Adult CNS (Base of Skull and Spine): Clinical Indications and Evidence** Kristin Redmond, MD, MPH
30 mins (15 each)	**Pediatrics: Clinical Indications and Evidence** Sahaja Acharya, MD and Matthew Ladra, MD
30 mins	**H&N: Clinical Indications and Evidence** Carmen Kut, MD, PhD
30 mins	**Thoracic: Clinical Indications and Evidence** Aditya Halthore, MD
30 mins	**Breast: Clinical Indications and Evidence** TBD SPEAKER
30 mins	**Genitourinary: Clinical Indications and Evidence** Curtiland Deville, MD
30 mins	**Gastrointestinal: Clinical Indications and Evidence** Rachit Kumar, MD
30 mins	**Gyn proton indications/data/clinical** Akila Viswanathan, MD, MPH
30 mins	**Principles of Thoracic Re-Irradiation** Khinh Ranh Voong, MD, MPH

Live, In-Person Activity

Friday, April 10, 2026

8:00 – 9:00 AM	*Registration and Continental Breakfast*
9:00 – 9:05 AM	**Welcome and Conference Goals** Akila Viswanathan, MD, MPH, Curtiland Deville, MD, and Aditya Halthore, MD
9:05 – 9:25 AM	**Introduction and History of Proton Therapy** Aditya Halthore, MD
9:25 – 9:45 AM	**Workflow from Simulation to End of Treatment and Simulation Considerations** TBD SPEAKER
9:45 – 10:05 AM	**Intro to Proton Planning/Robustness** Hao Chen, PhD
10:05 – 10:25 AM	**Breast Proton Planning Considerations** TBD SPEAKER
10:25 – 10:35 AM	**Q & A Session** Moderator: Annie LaVigne, MD Panelists: Aditya Halthore, MD, TBD SPEAKER, Hao Chen, PhD, and
10:35 – 10:55 AM	*Break*
10:55 – 11:15	**CNS Proton Planning Considerations** William “Tom” Hrinivich, PhD, DABR
11:15 – 11:35 AM	**H & N Proton Planning Considerations** Rachel Ger, PhD

11:35 – 11:55 AM	**Pediatric Planning Considerations** Khadija Sheikh, PhD
11:55 AM – 12:15 PM	**Hybrid Treatments** Brandi Page, MD
12:15 – 12:25 PM	**Q & A Session** Moderator: Brandi Page, MD and Sahaja Acharya, MD Panelists: William "Tom" Hrinivich, PhD, DABR,Rachel Ger, PhD, Khadija Sheikh, PhD, Brandi Page, MD
12:25 – 1:25 PM	*Lunch*
1:30 – 3:30 PM	**Treatment Planning Workshop and Console Observation Workshops**
3:30 – 3:45 PM	**GU and Gyn Proton Planning Considerations** Hao Chen, PhD
3:45 – 4:05 PM	**Intake, Access, and Coordination Considerations** Curtiland Deville, MD
4:05 – 4:20 PM	**Billing/Authorization Process** Kelli Gress, MHA
4:20 – 4:40 PM	**Future Directions of Proton Therapy: SBPT, ARCS** Rachel Ger, PhD
4:40 – 5:00 PM	**Q & A Session** Moderator: Curtiland Deville, MD Panelists: Hao Chen, Phd, Curtiland Deville, MD, Kelli Gress, MHA, Rachel Ger, PhD

Saturday, April 11, 2026

8:30 – 9:00 AM	*Continental Breakfast*
9:00 – 9:20 AM	**Motion Management, RGPT** Heng Li, PhD, DABR
9:20 – 9:35 AM	**Thoracic Planning Considerations** Heng Li, PhD, DABR
9:35 – 9:50 AM	**GI Planning Considerations** William "Tom" Hrinivich, PhD, DABR
9:50 – 10:10 AM	**Quality Assurance CT Imaging and Adaptive Planning** Khadija Sheikh, PhD
10:10 – 10:20 AM	**Q & A Session** Moderator: Mohammed Rezaee, PhD
10:20 – 10:30 AM	*Break*
10:30 – 10:50 AM	**Future Directions of Proton Therapy: LET-Based Optimization** William "Tom" Hrinivich, PhD, DABR
10:50 – 11:10 AM	**Proton Research Methodologies: How to Move the Field Forward** Xun Jia, PhD, MS
11:10 – 11:30 AM	**Future Directions of Proton Therapy: Proton Flash** Mohammed Rezaee, PhD
11:30 – 11:40 AM	**Q & A Session** Moderator: Khadija Sheikh, PhD

	Panelists: William "Tom" Hrinivich, PhD, DABR, Xun Jia, PhD, MS, Mohammed Rezaee, PhD
11:40 AM – 12:55 PM	*Lunch*
1:00 – 3:00 PM	**Complex Cases Workshop and Gantry/Synchrotron Workshop** Heng Li, PhD, DABR
3:15 – 4:00 PM	**Closing and Online Post-Test Completion** (participants must bring their laptop computer)
4:00 PM	Adjourn

You will receive an email notification to complete the evaluation form and to attest to the number of hours in attendance.

The registration desk will remain open during conference hours.

The Johns Hopkins School of Medicine takes responsibility for the content, quality and scientific integrity of this CME activity.

This schedule is subject to change.

ACTIVITY DIRECTOR

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PLANNING COMMITTEE

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Director, Pediatric Radiation Oncology, Johns Hopkins Kimmel Cancer Center at Sibley Memorial Hospital

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