2ND PRACTICAL PROTON THERAPY SEMINAR

Livestream - 2021

For more information:
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E-mail: mca.cme@mayo.edu
Phone: 480-301-4580
(Phone registrations not accepted—online only)

CE.MAYO.EDU/PROTONTHERAPY2021

FEBRUARY 25–26, 2021

Endorsed by the AAPM
AAPM does not endorse the product in question; rather, it endorsed the educational component of the program.
COURSE HIGHLIGHTS
This livestream program is designed to:
• Provide a focused interactive educational experience in implementing pencil beam scanning therapy.
• Offer lectures that include the basic principles of proton beam therapy; physics commissioning and QA; practical guidance on patient CT/immobilization; and disease-specific treatment planning methods.
• Welcome national and international proton field experts who will deliver four keynote lectures on the most exciting proton research, such as: flash therapy, predictive modeling, immune effects of radiotherapy, and proton grid therapy.

TARGET AUDIENCE
Radiation oncologists, medical physicists, dosimetrists, therapists, medical residents and physics residents.

LEARNING OBJECTIVES
Upon conclusion of this program, participants should be able to:
• State the basic principles of proton therapy
• Recognize uncertainties of proton therapy
• Apply robustness evaluation and optimization tools to evaluate and mitigate plan uncertainties
• Identify advantage and limitations of PBS (pencil beam scanning)
• Identify which patients are eligible for proton beam therapy
• Distinguish different planning techniques, such as SFO (single-field optimization), MFO (multiple field optimization), and robust optimization
• Describe the typical workflow of a proton beam clinic, including patient immobilization, CT simulation, treatment planning, and QA (quality assurance)
• Assess methods to address the increased RBE (relative biological effectiveness) of PBT
• Summarize disease specific treatment planning considerations for head and neck, genitourinary, central nervous system & breast cancer patients

REGISTRATION FEES
<table>
<thead>
<tr>
<th></th>
<th>Early-Bird Rate (Register by January 25, 2021)</th>
<th>Standard Rate (After January 25, 2021)</th>
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<tbody>
<tr>
<td>Physicians/Scientists</td>
<td>$455</td>
<td>$530</td>
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<tr>
<td>Residents, Physician Assistants and Nurse Practitioners</td>
<td>$355</td>
<td>$430</td>
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ONSİNE REGISTRATION
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CANCELLATION POLICY
Please visit ce.mayo.edu/cancellation for more information.