2022 SEAAPM Symposium January 27-28, 2022

Medical Physics and the Quest to Establish Uniform Minimum Standards: The MPPG Initiative.

Program Directors: Rob Krauss, DMP, St. Francis Hospital—Memphis, TN BC Schwarz, PhD, University of Florida—Gainesville, FL

Value

The symposium will benefit medical physicists and other healthcare professionals who seek to better understand the AAPM's Medical Physics Practice Guidelines (MPPGs) as it pertains to clinical practice. Medical physics educators will benefit by a better grasp on the minimum standards set within MPPGs.

The MPPG program begun by AAPM a decade ago was formed because, even with a long history of providing guidelines and position statements related to quality assurance, education and training among other topics in both therapy and diagnostic imaging, the medical physic profession did not have a clear set of acceptable minimum standards for clinical practice. Further, accreditation and regulatory bodies have a long history of improperly applying task group reports to their standards. The MPPGs were envisioned to proactively provide guidance to these bodies, especially as accreditation becomes more common.

To fully understand these documents, it is important to understand not only the purpose of the MPPGs, but how the standards were created, how to apply them to the clinic and how they integrate into the much larger body of related work used by organizations like the AAPM, ACR, ASTRO, etc. in clinical practice. Furthermore, each physicist must understand how to use the guidance issued in these documents as a floor, while still developing QA programs suitable to for the individual clinic.

Learning Objectives

- 1. Understand the purpose of MPPGs
- 2. Learn how each MPPG was developed and how they are updated
- 3. Learn the minimum standards for modalities applicable to a specific practice
- 4. Learn how to incorporate these minimum standards into practice
- 5. Learn how MPPGs fit into the larger AAPM framework of TG/WG-100

Credits

This meeting has applied to CAMPEP for approval of 10 MPCEC hours, including 10 that will be planned to meet the ABR's criteria for self-assessment activity (SAMs) credits

Symposium Agenda

	Thursday, January 27th
	Breakfast
7:50-9:00 AM	Welcome and Introduction to MPPGs Rob Krauss, DMP, St. Francis Hospital and BC Schwarz, PhD, University of Florida
9:00-10:00 AM	MPPG 1: CT Protocol Management and Review Vikas Patel, PhD, Weill Cornell Medicine
10:00-10:30 AM	Morning Break Visit the Exhibitors
10:30-11:30 AM	MPPG 2: Commissioning and QA of X-ray based image guided radiotherapy systems Sarah Castillo, PhD, Northside Hospital Cancer Institute
11:30-12:30 PM	MPPG 4: Development, implementation, use and maintenance of safety checklists Michelle Wells, MS, Piedmont Healthcare
12:30-1:30 PM	Lunch Break Visit the Exhibitors
1:30-2:30 PM	MPPG 5: Commissioning and QA of Treatment Planning Dose Calculations Timothy Ritter, PhD, VCU Health System
2:30-3:30 PM	MPPG 6: Performance characteristics of radiation dose index monitoring systems Dustin Gress, MS, American College of Radiology
3:30-4:00 PM	Afternoon Break Visit the Exhibitors
4:00-5:00 PM	MPPG 8: LINAC performance tests Rob Krauss, DMP, St. Francis Hospital
	Friday, January 28th
7:30-7:35 AM	Breakfast Welcome BC Schwarz/Rob Krauss
7:35-8:35 AM	MPPG 9 for SRS-SBRT Jeffrey Garrett, MS, Mississippi Baptist Medical Center
8:35-9:45 AM	MPPG 12: Fluoroscopy Dose Management BC Schwarz, PhD, University of Florida
9:05-10:05 AM	Morning Break Visit the Exhibitors
10:05-11:05 AM	MPPG 9: Plan and Chart Review in EBRT and Brachytherapy Michelle Wells, MS, Piedmont Healthcare
11:05-11:25 AM	Preview of the Future: Upcoming MPPGs Panel
11:25-12:00 PM	The Future of MPPGs Panel discussion
12:00-1:00 PM	Lunch Break Visit the Exhibitors
1:00 PM	2022 SEAAPM Scientific Meeting Opens