MPPG Initiative: Implementation Experience and New Reports

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Origin

Proposal for Medical Physics Practice Guidelines (MPPGs) approved by AAPM Board of Directors in August 2011

- MPPGs are intended to provide the medical community with a clear description of the minimum level of medical physics support that AAPM would consider to be prudent in all clinical practice settings. Support includes but is not limited to staffing, equipment, machine access, and training. These MPPGs are not designed to replace extensive Task Group reports or review articles, but rather to describe the recommended minimum level of medical physics support for specific clinical services.

Designed to be living documents

- 5 year review cycle (can be sooner if necessary)
- More time responsive to clinical issues than TG reports

Existing Reports

9 MPPGs published to date

- 2013 (1) - MPPG #1
- 2014 (1) - MPPG #2
- 2015 (3) - MPPGs #3, #4, #5
- 2017 (2) - MPPGs #8, #9
- 2018 (1) - MPPG #10

MPPG #7 (Medical Physics Extenders) put on hold pending publication of MPPG #10 (Scope of Practice)

- Feedback from EXCOM required additional revisions
- Submitted to JACMP

https://www.aapm.org/pubs/MPPG/default.asp
Current Efforts

New MPPG
- #11.a - Plan and Chart Review in External Beam Radiotherapy and Brachytherapy
  - First attempt at parallel TG/MPPG (companion to TG-275)

MPPGs under revision
- #1.b - CT Protocol Management and Review Practice Guideline
- #2.b - Commissioning and quality assurance of X-ray-based image-guided radiotherapy systems
- #3.b - Levels of supervision for medical physicists in clinical training
- #4.b - Development, implementation, use and maintenance of safety checklists

Upcoming revisions
- #5.b - Commissioning and QA of Treatment Planning Dose Calculations — Megavoltage Photon and Electron Beams
  - Due 9/2020

Potential topics
- Y90 radioembolization
- Photo quality management
New Topic Initiative

Solicitation of member topic suggestions
- Previously available submission form not being utilized
- Identify consensus clinical issues to be addressed
- Engage the membership
- Need adoption by members, ideally before adoption by regulatory and accreditation
- Need feedback on usefulness and viability of MPPGs

These documents are for you
- SPG can only attempt to meet member needs we are aware of

New Topic Initiative

BBS thread created for member suggestions
- Accessible from BBS and MPPG pages
- Allows feedback from members in support of proposed topic
- Allows suggestion of literature that may already address issue
### Acknowledgements

**Subcommittee on Practice Guidelines**

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<td>Vice-Chair (Imaging)</td>
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<td>Arthur Olch, PhD</td>
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**AAPM STAFF MEMBER**

Nicholas Wingreen

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