

2021 AHRA Annual Meeting
AAPM Liaison Update

2021 AAPM Executive Committee



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AS OF JULY 2021:

- 9,495 Members in 94 countries (average age: 48)
- 6,065 Full members
- 1,559 Member Volunteers
- 401 Non-Member Volunteers
- 22.4% of eligible members volunteer
- 61 Committees, 89 Subcommittees, 83 Working Groups, 90 Task Groups, 55 Units

2021 SCIENTIFIC REPORTS (9 year to date)

Of particular interest:

[AAPM Task Group 241: A Medical Physicist's Guide to MRI-guided Focused Ultrasound Body Systems](#)

[Report No. 357 - Estimation of patient skin dose in fluoroscopy: summary of a joint report by AAPM TG357 and EFOMP \(2021\)](#)

[Magnetic Resonance Biomarkers in Radiation Oncology: Report of AAPM Task Group 294](#)

[AAPM Task Group 284: Magnetic Resonance Imaging Simulation in Radiotherapy: Considerations for Clinical Implementation, Optimization, and Quality Assurance](#)

ADMINISTRATIVE COUNCIL

- Working with the Ad Hoc Committee on the Future Format of AAPM meetings to determine the best approach for hybrid meetings (Annual meeting, Spring Clinical, Summer School) in 2022 and beyond
- Membership Committee is working with the Ad Hoc Committee on Membership to enhance our outreach to potential new members and to communicate the value of membership to current members

EDUCATION COUNCIL

- Public Education Committee is finalizing a new website, which will be one of AAPM's most important vehicles for educating the public about medical physics science and profession. It will include an "Ask-the-Expert" feature
- Working on several guidance documents: white paper on professional doctorate of medical physics, TG report on education of alternative pathways candidates, white paper on best teaching practices, and update to AAPM report 197 on academic program requirements for graduate degrees in medical physics

INTERNATIONAL COUNCIL

- Global Needs Assessment Committee and Global Medical Physics Education and Training Committee received an NCI R13 grant to host two Global Health Catalyst Summits – one in the US (2021) and one in Africa (2022)
- Proposal submitted to AIP Venture Fund entitled, "Increasing access to medical physics education and research excellence (AMPERE) for global health" to enable a rigorous needs assessment to be conducted with partners in different regions of the world

PROFESSIONAL COUNCIL

- Diagnostic and therapy workforce studies will identify current needs and future workforce projections
- Proposal to locate the new Equity, Diversity, and Inclusion Committee under Professional Council will consolidate EDI efforts in one location for better coordination and communication

SCIENCE COUNCIL

- Big Data Subcommittee is leading initiatives that are multi-institutional and span multiple professional societies to create standardizations necessary to enable large multi-institutional data bases, including organizing the Big Data Workshop that will focus on future infrastructure for data-driven medicine
- Science Council Task Group Formation process optimization enables a much more transparent and inclusive process for creating future-oriented task groups for AAPM

GONADAL/FETAL SHIELDING UPDATE

The CARES committee, although initiated by AAPM, is an alliance of medical imaging professionals representing any stakeholder group who would like to participate. **Traci Foster** joined the CARES committee in April as a representative from AHRA. After releasing the first set of 6 education modules earlier this month, the committee is working on additional education materials to help facilities navigate implementing changes in their patient gonadal and fetal shielding practices.

CARES Education Modules: Fetal and Gonadal Shielding During Radiography <https://w3.aapm.org/cares/>

Module 1 - Fetal and Gonadal Shielding During Radiography

Module 2 - Gonadal Shielding: Historical Perspectives

Module 3 - Fetal Shielding

Module 4 - Factors that Reduce the Effectiveness of Gonadal Shielding

Module 5 - Changing How We Think About Patient Fetal & Gonadal Shielding

Module 6 - Understanding the Radiographer's Role in Radiation Safety and Image Quality



The Medical Imaging and Data Resource Center (MIDRC) is a multi-institutional initiative driven by the medical imaging community and aimed at accelerating the transfer of knowledge and innovation in the current COVID-19 pandemic. MIDRC, funded by the National Institute of Biomedical Imaging and Bioengineering ([NIBIB](#)) and hosted at the [University of Chicago](#), is co-led by the American Association of Physicists in Medicine ([AAPM](#)), the American College of Radiology ([ACR](#)), and the Radiological Society of North America ([RSNA](#)). The aim of MIDRC is to foster machine learning innovation through data sharing for rapid and flexible collection, analysis, and dissemination of imaging and associated clinical data by providing researchers with unparalleled resources in the fight against COVID-19.