



QIRT Interest Group

Facts and Enrollment Information

About the Quantitative Imaging in Radiation Therapy Interest Group

The Quantitative Imaging in Radiation Therapy (QIRT) Interest Group (IG) collectively engages in a multidisciplinary dialog to exchange ideas; raise awareness of data, technical advances, and new methods in the context of quantitative imaging as it impacts the diagnosis and treatment of cancer patients before, during and after radiation therapy delivery.

The scope of the radiation therapy discusses is not limited to external beam therapy with photons. Heavy ion therapy, radiopharmaceutical therapy, flash therapy, and brachytherapy fall in the scope of the QIRT IG so long as quantitative imaging is employed. And all forms of imaging are within the scope of this group if quantifiable measurement is possible in a way that can be correlated with a clinical outcome or biological response.

The focus of the group is to bridge gaps between individuals and groups so as to promote innovative, collaborative, impactful science. Like other groups, QIRT IG members discuss new ideas and network on grantsmanship, which lead to the generation of grant proposals, clinical trials, white papers and editorials. Mentorship of new investigators is also important to QIRT as this field develops and matures.

Goals

1. To foster collaboration among scientist across multiple fields and areas of expertise specifically and generally in the area of quantitative imagine and radiation therapy respectively.
2. To generate new knowledge to improve cancer patient outcomes via grants and to consolidate collaboration efforts into a robust body of scientific knowledge.

QIRT IG Chairpersons

Dr. John Buatti, M.D. (University of Iowa, john-buatti@uiowa.edu)

Dr. Hui-Kuo Shu, M.D., Ph.D. (Emory University, hqshu@emory.edu)

Dr. Ying Xiao, Ph.D. (Univ. of Pennsylvania, Ying.Xiao@uphs.upenn.edu)

Teleconference Schedule

- The QIRT IG meets virtually via the WebEx platform quarterly – the third Monday of January, April, July, and October at 11am ET.
- The group membership is approximately 60.

Activities and Accomplishments

1. Exchange of significant information and resources.
2. Development of new collaborations
3. Liaison with IROC, QIN and other imaging-related calls and meetings
4. Organize sessions at national meetings (e.g.: ASTRO, AAPM, etc.)

Publications

Conference report:: Review of clinical implementation of Advanced Quantitative Imaging Techniques for Personalized Radiotherapy (ASTRO 2023 Meeting Masterclass Session), Yevgeniy Vinogradskiy *, Houda Bahig, Nicholas W. Bucknell, et al., Tomotherapy (in press)

Interested in becoming a member of the QIRT Interest Group?

Please Contact the Interest Group Coordinator:

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