Special Issue

Intensity Modulated Radiation Therapy

Message from the Guest Editor

Intensity-modulated radiation therapy (IMRT) represents the major technological advance in radiation therapy in the last several decades. IMRT allows higher radiation doses to be focused to regions within the tumor while minimizing the doses to surrounding normal critical structures. IMRT is an ideal topic for researchers to exchange ideas and share state-of-the-art developments in different disciplines. In this Special Issue, we welcome the following topics:

- Review articles on the successful application of IMRT in different disease sites
- Special techniques to make IMRT clinical implementation more efficient and effective
- Novel research, such as using high-performance computing etc., calculations to improve state-of-the-art IMRT
- How to take advantage of different imaging modalities in IMRT
- Using machine learning methods for knowledge-based treatment planning or quality assurance for IMRT
- How to better model clinical outcome data using data science techniques
- Evidence of improved clinical outcomes with IMRT compared to other techniques in clinical practice

Guest Editor

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Message from the Editor-in-Chief

Cancers is an international online journal addressing both clinical and basic science issues related to cancer research. The journal is publishing in Open Access format, which will certainly evolve to ensure that the journal takes full advantage of the rapidly changing world of information and knowledge dissemination. It publishes high-quality clinical, translational, and basic science research on cancer prevention, initiation, progression, and treatment, as well as other related topics, particularly to capture the most seminal studies in the rapidly growing area of immunology, immunotherapy, and tumor microenvironment.

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