

GUEST EDITORIAL

Special issue on *Contemporary and emerging stereotactic radiosurgery and stereotactic body radiation therapy technology*

Physics professor Wilhelm Röntgen accidentally discovered a previously unknown form of radiation or X-rays in 1895, for which he was among the first recipients of the Nobel Prize in 1901. Only 56 years later, Swedish neurosurgeon Professor Lars Leksell published his first paper on stereotactic radiosurgery (SRS). Now, as the 75th anniversary approaches of that paper, which launched the entire field of SRS and stereotactic body radiotherapy (SBRT), we present readers with this special issue on *Contemporary and emerging SRS and SBRT technology*.

In this issue, expert practitioners as well as pioneers of SRS and SBRT provide detailed reviews and perspectives on the field generally, and in particular cutting-edge research and technologies, which include niche fields of FLASH therapy, biologically guided

radiotherapy (BGRT), and spatially fractionated radiotherapy (SFRT), all of which hold the promise of further expansions of the frontiers of SRS and SBRT.

Most significantly, this collection demonstrates the synergy and integration of technical innovations, biological discoveries and clinical practices that foster a deep partnership of people involved in each area. In fact, this is the secret sauce of our field, and we the editors have especially enjoyed its taste for the past three decades.

It is our honor to present readers with this series of papers to showcase various milestones and achievements of SRS and SBRT. We want to thank our authors, mentors, colleagues, students, and especially patients for their contributions. As one distinguished colleague once said: “We are here to deliver not only radiation but also hope”.

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