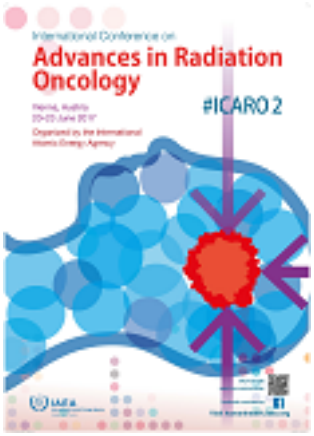
International Conference on Advances in Radiation Oncology #ICARO2



Tuesday, June 20, 2017 - Friday, June 23, 2017

Scientific Program

The conference programme will include plenary and parallel sessions, poster sessions, round-table discussions, lunch forums and teaching lectures.

The plenary sessions will include topics of interest to all participants such as personalized medicine, recent technological, physical and clinical developments, quality assurance, challenges and solutions, and health care economics.

Parallel sessions will cover detailed developments and recent findings related to clinical and physical aspects of radiotherapy.

Poster sessions will be dedicated to discussion and interaction with colleagues.

Round-table discussions will address specific issues from different perspectives and lunch forums will review potential solutions to these issues such as telemedicine and transitioning to paperless radiotherapy departments.

The teaching lectures will provide an opportunity for continuous professional development for all participants.

The IAEA invites participants to provide high quality contributions on all aspects of radiotherapy. The topics to be addressed during the conference will be centred on technological as well as biological, medical physics and clinical advances, and should take into account real clinical settings in all Member States. Both academic and practice-based papers under the umbrella of the following topics will be considered:

Radiotherapy in Cancer Control Plans

Health economics, roadmap for setting up modern radiation oncology facilities, national cancer control strategies and advocating RT.

Global Cancer Challenges and Role of RT

Challenges and possible solutions for LMIC, practical implementation of new technologies in LMIC: challenges and solutions.

Clinical Radiation Oncology

Radiotherapy in main cancer sites, personalized medicine, combined therapies including immunotherapy, clinical research, paediatric radiotherapy, applied brachytherapy, advances in the treatment of recurrent patients, treatment of oligometastases and margin definition.

New Technologies in Radiation Oncology/Radiotherapy

Technological advances and challenges, new treatment and imaging techniques and clinical evidence, intensity modulated radiotherapy, including arc-based approaches, paperless RT department, imaging for planning and treatment delivery, motion management, advances and challenges of technologies.

QA/QC

Auditing procedures, developments in quality assurance and new approaches to quality management, safety in radiation therapy, quality and safety.

Radiobiology

Telemedicine

i.e. virtual tumour boards, remote treatment planning, remote consultation and remote training.

Dosimetry

Small field dosimetry, developments in treatment planning and how to evaluate a treatment plan.

Education and Training of Professionals Working in Radiotherapy

Staffing, education requirement, certification, accreditation and professional registry.