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Please include reference number CN-170 in your correspondence.

Conference website

<http://www-pub.iaea.org/MTCD/Meetings/Announcements.asp?ConfID=35265>

International Conference on Advances in Radiation Oncology ICARO

27–29 April 2009
Vienna, Austria

Organized by the
International Atomic Energy Agency

Co-sponsored by the
European Society for Therapeutic Radiology and Oncology (ESTRO)
American Society for Therapeutic Radiology and Oncology (ASTRO)
American Association of Physicists in Medicine (AAPM)
International Commission on Radiation Units and Measurements (ICRU)
American Brachytherapy Society (ABS)

In cooperation with the
European Federation of Organisations for Medical Physics (EFOMP)
European Association of Nuclear Medicine (EANM)
International Association for Radiation Research (IARR)
Asociacion Latinoamericana de Terapia Radiante Oncológica (ALATRO)
International Union Against Cancer (UICC)
Trans Tasmanian Radiation Oncology Group (TROG)
International Network for Cancer Treatment Research (INCTR)
Asia-Oceania Federation of Organizations for Medical Physics (AFOMP)



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Background and Objectives

This IAEA-sponsored conference is aimed at reviewing the current role and potential of clinical, technological and molecular/biological innovations for their incorporation into the routine practice of radiation oncology.

In particular, the conference will attempt to put these technological developments into the perspective and into the context of priorities of low and middle income Member States for improving patient care.

The main objectives of the conference are

- To review the current role and potential of clinical, technological and molecular /biological innovations in radiation oncology
- To explore the applications of improved imaging tools in treatment planning
- To review the current status of evidence based recommendations for the treatment of common cancers
- To review resource sparing approaches in clinical radiotherapy practices
- To exchange information on the current advances in the field among leading experts
- To define future challenges and directions in the clinical use of radiotherapy

Audience

This conference will be of interest to individuals involved in the application of new technologies in radiation oncology. In particular, the conference will attempt to put technological developments into the perspective of the priorities of low and middle-income countries.

Main Topics

There will be keynote lectures, refresher courses, debates and symposia on following topics:

- Transition from 2D to 3D conformal radiotherapy
- Brachytherapy innovations
- IMRT and IGRT in light of current evidence
- Emerging use of combined modality (chemo-radiotherapy) strategies in common cancers
- Changing role of radiotherapy in paediatric cancer care
- PET and PET/CT in radiation treatment planning
- Advanced imaging: impact on treatment planning and outcome
- Radiotherapy efficiency and economic analyses
- Radiotherapy for the HIV/AIDS patients
- Quality in Radiotherapy/QA/QC
- Dosimetry of small and non-standard fields

Academic and practice-based papers on these topics are welcomed.

Programme Structure

The Scientific Programme will start on Monday, 27 April 2009. The program will include:

- Refresher courses
- Overview lectures and debates
- Proffered paper session
- Topic-orientated session or roundtable discussions
- Poster display and poster sessions
- Commercial exhibition

Key Deadlines

Submission of abstracts (800 words) by 15 October 2008:
Notification of paper/poster acceptance: 20 December 2008

Registration

There is no registration fee. However, the participants will have to be sponsored by a National entity or professional/scientific society.

Limited funds are available for participation of candidates from developing Member States. Selection will be made on the basis of the quality of the abstracts submitted and official endorsement from the recommended professional organizations and from the relevant governmental authorities.

Language

The working language of the conference will be English.