

Information on

Participation
Submission of papers
Grants

can be obtained from
www.iaea.org/meetings

REGISTRATION

There is no registration fee.

LANGUAGE

The conference will be held in English.

CONTACT PERSONS

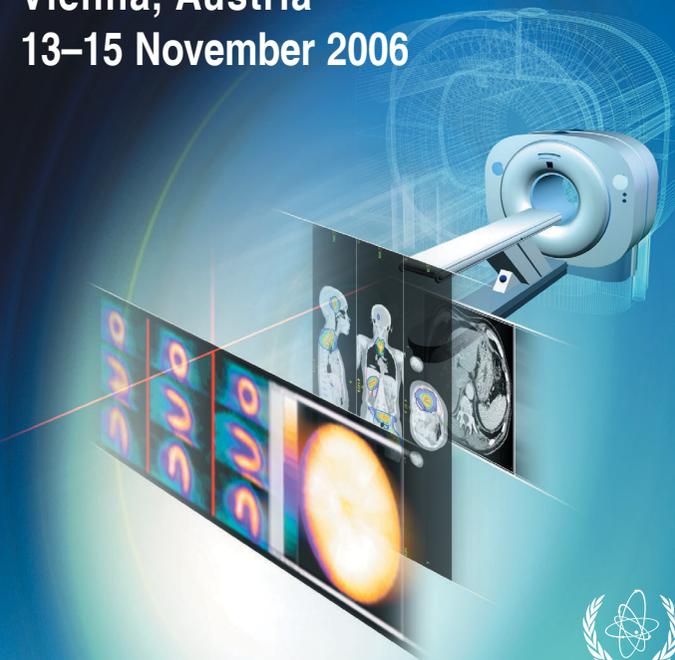
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Please include reference number CN-146 in
your written contacts.

International Conference on Quality Assurance and New Techniques in Radiation Medicine

Vienna, Austria
13–15 November 2006



Organized by the
International Atomic Energy Agency



Co-sponsored by the
American Association of Physicists in Medicine (AAPM)
American Society for Therapeutic Radiology and Oncology (ASTRO)
European Association of Nuclear Medicine (EANM)
International Organization for Medical Physics (IOMP)

In cooperation with the
Asia-Oceania Federation of Organizations for Medical Physics (AFOMP)
European Federation of Organisations for Medical Physics (EFOMP)
European Society for Therapeutic Radiology and Oncology (ESTRO)
International Commission on Radiation Units and Measurements (ICRU)
International Radiology Quality Network (IRQN)
Pan American Health Organization (PAHO)
United Nations Scientific Committee on the Effects of Atomic Radiation (UNSCEAR)
World Federation of Nuclear Medicine and Biology (WFNMB)

Objective:

"QUALITY ASSURANCE FOR QUALITY CARE"

The conference will provide an opportunity to discuss the importance of quality assurance (QA) in applications involving the use of ionizing radiation in medicine in order to maximize the benefits and minimize the risks. The programme will focus on the QA systems and quality control (QC) procedures used in diagnostic radiology, nuclear medicine and radiotherapy, with a special focus on new and emerging technologies. Multidisciplinary issues such as education, training and accreditation, telemedicine, data management and storage will also be discussed.

Audience

This conference will be of interest to individuals concerned with the application of QA/QC programmes in radiation medicine. This includes hospital executives, physicians, medical physicists, biologists, biomedical engineers, technologists, QA experts and regulators. The conference seeks to bring professionals in these areas together to share experiences and expertise in order to promote and expand the implementation of QA programmes in medical procedures involving radiation.

List of Topics

- Improving quality, optimizing practice and reducing risk in diagnostic radiology through the implementation of QA programmes and QC procedures in:
 - mammography
 - X ray computed tomography
 - interventional radiology
 - digital imaging
 - bone densitometry (DEXA)
- Applications of QA in nuclear medicine to improve the quality of diagnostic imaging and therapeutic treatments with the minimum amount of administered radiation needed to ensure desired diagnostic/therapeutic results, including:
 - modern dose assessment methodologies, including patient specific approaches
 - QC of radiopharmaceuticals
 - QC of SPECT and PET scanners
- QA contributions to radiotherapy to improve treatment outcomes and quality of life through better local tumour control and fewer complications. This includes radiation oncology and medical physics aspects in:
 - dosimetry
 - treatment planning and delivery
 - conformal therapy
 - intensity modulated radiotherapy (IMRT)
 - stereotactic radiotherapy
 - brachytherapy
 - hadron therapy

Papers and Posters

Papers are invited from participants on any of the topics to be covered at the conference. In order to provide ample time for discussion, the number of papers that can be accepted will be limited. Papers are to be presented either orally or as posters, at the discretion of the scientific programme committee.

Key deadline

17 March 2006

- Submission of extended synopses (electronic version)
- Paper Submission Form (Form B)
- Grant Application Form (Form C)

