

Roundtable 2:

Manufacturers' Role in Medical Radiation Protection: Summary of Contributed Papers

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Roundtable 2: Manufacturers' Role

CYCLOTRON MANUFACTURERS ROLE IN PROTECTING PATIENT IN USE OF PET IN INDONESIA Z. ARIFIN

- The nuclear medicine era in the use of PET started in Indonesia only three years ago, precisely in 2009.
- As a developing country, Indonesia has not much experience in the use of PET.

For developing countries, the manufacturers' role in protecting the patients is very important, especially in ensuring the reliability of the facilities in providing products that meet the acceptance criteria and meet the regulations of a country.

Roundtable 2: Manufacturers' Role

EC REPORT RP-162.

CRITERIA OF ACCEPTABILITY FOR MEDICAL RADIOLOGICAL EQUIPMENT: GENERAL BACKGROUND AND APPLICATION TO DIAGNOSTIC RADIOLOGY

U. O'CONNOR, K. FAULKNER, J.F. MALONE

- The EC Report RP-162 has been developed to provide updated guidance and advice on the implementation of part of the Medical Exposure Directive and provides a compendium of criteria which equipment in normal use ought to be able to pass.

Following the advice therein will ensure that the requirements of the MED are met in a way that is consistent with sound medical practice and the global harmonization of the radiological equipment industry.

Roundtable 2: Manufacturers' Role

THE NEED TO FOSTER COLLABORATION BETWEEN MEDICAL PHYSICISTS AND MANUFACTURERS THROUGH STANDARDS IN THE AREA OF RADIATION PROTECTION OF PATIENTS

A. TRIANNI, D. PECK, A. TORRESIN, R. PADOVANI

- Monitoring the radiation dose delivered to the patients for medical purposes has become a priority.
- Claiming: dose estimates should be provided electronically.

The harmonization between standards is in process, and the DICOM Standards Committee and its Working Groups develop efforts to foster cooperation between users and manufacturers.

Nevertheless, there is still the need to continue in this direction and involve other international organizations and standardization bodies.

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TRENDS IN PATIENTS' RADIATION PROTECTION: MANUFACTURERS' RESEARCH STRATEGY AS OUTLINED IN INDUSTRIAL PROPERTY DOCUMENTS

B. SPYROPOULOS

- Literature research was performed in order to pin down the manufacturers' research and development strategy trends concerning the radiation protection of patients undergoing diagnostic examinations and radiotherapy.

The research reflects the collective manufacturers' research strategy concerning patient exposure minimization:

- development of improved radiation detectors in medical imaging,
- employment of novel physical principles in external dosimeters, in interventional radiology and in radiotherapy.