

International Atomic Energy Agency

Group Scientific Visit on Optimization of Radiation Protection in Medical Imaging for Pregnant and Paediatric Patients

PROSPECTUS

Project Number & Title:	RER/9/132: “Strengthening Member State Technical Capabilities in Medical Radiation Protection”
Place (City, Country):	Heraklion, Crete, Greece
Dates:	23 – 27 November 2015
Deadline for Nominations:	30 July 2015
Organizers:	The International Atomic Energy Agency (IAEA) in cooperation with the Government of Greece through the University of Crete; Faculty of Medicine.
Host Country Organizer:	Prof. Ioannis Damilakis Medical Physics Department University of Crete; Faculty of Medicine P.O. Box 2208, Vassilika Vouton 71409 HERAKLION, CRETE GREECE
Language:	The group scientific visit will be conducted in English.
Purpose:	The purpose of the group scientific visit is to increase knowledge of participants on dose estimation and dose management when a pregnant female patient is submitted to medical exposure, with a focus on diagnostic and interventional radiology. Patient dose estimation and optimization of protection of paediatric patients during CT and other X-ray imaging procedures will be also included.
Expected Output(s):	Level of knowledge about dose estimation and radiation protection measures to reduce exposure of unborn child and paediatric patients in diagnostic and interventional radiology will be upgraded, to support proper patient management and dose reduction. It is expected that after the scientific visit, participants apply the knowledge in their clinical practice and share it in their country. Participants will also contribute in the RER 9/132 on dissemination of radiation protection actions in their country.
Scope and Nature:	The group scientific visit will consist of classroom work to familiarise with resources developed by the Department of Medical Physics at the University

Hospital of Iraklion for estimation of doses to foetus/embryo during exposure in pregnancy; interactive discussions with the staff of hosting institutions, and practical demonstration in hospital environment.

Background Information:

According to the International BSS, special attention is needed to protect unborn children and paediatric patients submitted to medical exposure. The decision to perform examination or procedure, as well as how to reduce patient exposure in a case of justified procedure, is of high importance for these specific groups of patients. Medical physicists have a role and responsibility in estimation of dose to embryo/ foetus in a case of exposure during pregnancy and of patient doses for paediatric patient. Through the group scientific visit the participants will be able to learn from the experience of the host institution, to be acquainted with available software and other resources, and to discuss their practical utilization in clinical work and research. This visit will be in support to the implementation of Task 9 (Radiation protection in pregnancy).

Participation:

The scientific visit is open to up to 6 participants representing counterparts in the regional project RER/9/132.

The target countries are: Hungary, Montenegro, Moldova, Portugal, Serbia and Ukraine.

Participants' Qualifications:

The group scientific visit is open to qualified medical physicists working in X-ray departments in hospitals, and having extensive experience in patient dosimetry. Only nominations from countries actively involved in the project RER9/132 will be considered. Nominations should come from countries and hospitals already submitted their project progress report and contributed to the IAEA survey on the practice of use of medical exposure in pregnancy.

The selected participant will be requested to bring with them examples of exposures of pregnant patients from their hospital, to be used in the practical sessions for calculation of dose to uterus.

As the discussions during the scientific visit will be conducted in English, participants should have sufficient proficiency to follow lectures and express themselves in this language without difficulty.

Nomination Procedure:

Please submit nominations to the IAEA online through the Technical Cooperation Department's InTouch system (<http://intouch.iaea.org>). Only if this is not possible, nominations may be submitted on the Nomination Form for Scientific Visits available on the IAEA website: <http://www.iaea.org/technicalcooperation/How-to-take-part/In-meetings-WS/index.html>. Completed forms should be endorsed by relevant national authorities and sent to the Programme Management Officer for this project, Mr Jing Zhang (IAEA Official Fax: +43-1-26007 or E-Mail Official.Mail@iaea.org), through the official channels, i.e. the designated National Liaison Office for IAEA matters, not later than 30 July 2015.

**Administrative
and Financial
Arrangements:**

Nominating Governments will be informed in due course of the names of the candidates who have been selected and will, at that time, be given full details of the procedures to be followed with regard to administrative and financial matters.

Selected participants from countries eligible to receive technical assistance will be provided with a round trip economy class air ticket from their home countries to Heraklion, Crete, Greece, and a Daily Subsistence Allowance (DSA) at the prevailing UN Rate. Shipment of accumulated visit materials to the participants' home countries is not the responsibility of the IAEA.

The organizers of the group scientific visit do not accept liability for the payment of any cost or compensation that may arise from damage to or loss of personal property, or from illness, injury, disability or death of a participant while he/she is travelling to and from or attending the visit, and it is clearly understood that each Government, in nominating participants, undertakes responsibility for such coverage. Governments would be well advised to take out insurance against these risks.