IAEA E-LEARNING COURSE: RADIATION DOSE MANAGEMENT IN COMPUTED TOMOGRAPHY

What do we offer?

The IAEA has created an e-learning course explaining radiation dose management in computed tomography (CT). This course consists of *eleven modules,* each looking at different aspects of the topic, with an estimated total duration of *five hours*. It is designed to help *medical imaging professionals* to:

— Learn the appropriate use of CT;
— Understand the various CT techniques and scan parameters;
— Understand CT dose metrics and tracking methods;
— Address the needs of creating various CT protocols, including those for chest, abdomen, and head, as well as those for paediatric patients; and

— Understand how to optimize exposure during pregnancy.

After completion of the course, participants can obtain a certificate of completion.

MODULE 1 Appropriateness and justification in CT	**MODULE 2** Overview of CT scan parameters	**MODULE 3** Tube current and Automatic Exposure Control	**MODULE 4** Tube potential in CT
MODULE 5 Beam collimation, pitch, and speed in CT	**MODULE 6** CT dose metrics and tracking	**MODULE 7** Aspects for chest CT protocols	**MODULE 8** Aspects for abdominal CT protocols

MODULE 9 Aspects for head CT protocols	**MODULE 10** Aspects for pediatric CT protocols	**MODULE 11** Dose optimization in pregnancy

How do I access the e-learning programme?

Create an account at the Cyber Learning Platform for Network Education and Training (CLP4NET) (http://elearning.iaea.org/m2/) and access the category Radiation Protection of Patients (http://elearning.iaea.org/m2/course/view.php?id=389).

Where can I receive more information?

For more information, please contact the division of Radiation, Transport and Waste Safety of the Department of Nuclear Safety and Security or write to: patient.protection@iaea.org.

17-0589

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Atoms for Peace and Development