



Joint IAEA and Argonne National Laboratory Training Activity on Comprehensive Clinical Audits in Diagnostic Radiology under the Quality Assurance Audit for Diagnostic Radiology Improvement and Learning (QUAADRIL) Tool

Hosted by the

Government of the United States of America

through the

Argonne National Laboratory at MD Anderson Cancer Center

Houston, TX, United States of America

24 to 28 April 2023

Ref. No.: EVT1805156

Information Sheet

Introduction

Quality Assurance is a key component of diagnostic radiology, being driven by a number of factors that include: (i) the high cost/complexity of radiological equipment, (ii) the need for patient dose optimization and (iii) the importance of radiological diagnosis to patient management within the health care environment.

One of the key elements within the framework of quality is the comprehensive and critical review of practice in a medical radiation facility. This audit process is synonymous with an independent external evaluation, assessment or peer review. Its significance is acknowledged both in the International and the European Basic Safety Standards.

The IAEA further recognizing the importance of comprehensive quality audits in Diagnostic Radiology provides support to its Member States in terms of:

- **Development of guidelines.** Human Health Series No.4 entitled “Comprehensive Clinical Audits of Diagnostic Radiology Practices”, known as QUAADRIL (Quality Assurance Audit for Diagnostic Radiology Improvement and Learning) is the latest addition to the auditing methodologies toolbox. It can be used both as an auditing tool, but also as a tool for the development of a quality framework.
- **Training of auditors.** As the QUAADRIL methodology can be used by Member States to develop their individualized auditing process, the IAEA supports the training of future auditors through training courses and workshops.
- **Functioning as the independent auditing body.** Following corresponding requests, usually linked, but not limited to relevant TC projects, the IAEA is responsible for forming the auditing team, assuring the principle of independency between the auditors and the audited department.

Objectives

The overall objective is for delegates to be equipped with the competences and tools to develop and support a comprehensive quality framework for a radiology department, leading to improved patient care.

Specific objectives of this course will be:

- to provide delegates with an understanding of a quality manual and the associated quality systems which underpinned it.
- to provide delegates with an understanding of each profession contribution to the framework of quality, as described in the IAEA QUAADRIL methodology.
- to provide support to strengthening the multidisciplinary approach to developing and sustaining quality systems in diagnostic and interventional radiology.

The course will help participants understand the QUAADRIL audit methodology, its requirements and the roles and responsibilities of stakeholders in the audit process.

Target Audience

Noting that the scope of the training course is related to enhancing patient care in diagnostic and interventional radiology, a complete team of collaborating professionals (radiologist, radiographer/radiation technologist and a medical physicist) should be nominated by each Member State to strengthen teamwork and facilitate initiation of relevant activities in the Member States.

The participants should be:

- a radiologist providing diagnostic or interventional services, preferably with administrative experience,
- a medical physicist providing services in a clinical environment, performing QC and dosimetry procedures for diagnostic radiology,
- a senior radiographer/radiation technologist providing administration of clinical services in diagnostic radiology.

The participants ideally should be familiar with Quality Management Systems and formal Quality Assurance procedures.

This course is not intended for participants working for regulatory authorities or as inspectors.

Working Language(s)

English

Expected Outputs

The expected outputs will be to make participants acquainted with different components of a formal quality system for radiology. Different professionals (radiologists, medical physicists, and radiographers/radiation technologist) will have different expected outputs. Detailed information is provided in the subsequent topics.

Topics

The main topics of this course will be:

- Basics of quality
- Assessment of quality
- How to measure quality/performance indicators
- Drafting formal procedures
- Equipment specific QA/QC and dosimetry requirements
- Optimization from the radiologist/medical physicist/radiographer perspective
- Incident reporting systems
- Introduction to Quaadril
- Introduction to clinical audit

Participation and Registration

All persons wishing to participate in the event have to be designated by an IAEA Member State or should be members of organizations that have been invited to attend.

In order to be designated by an IAEA Member State, participants are requested to send the **Participation Form (Form A)** to their competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) for onward transmission to the IAEA by **20 January 2023**. Participants who are members of an organization invited to attend are requested to send the **Participation Form (Form A)** through their organization to the IAEA by above deadline.

Selected participants will be informed in due course on the procedures to be followed with regard to administrative and financial matters.

Participants are hereby informed that the personal data they submit will be processed in line with the [Agency's Personal Data and Privacy Policy](#) and is collected solely for the purpose(s) of reviewing and assessing the application and to complete logistical arrangements where required. The IAEA may also use the contact details of Applicants to inform them of the IAEA's scientific and technical publications, or the latest employment opportunities and current open vacancies at the IAEA. These secondary purposes are consistent with the IAEA's mandate. Further information can be found in the Data Processing Notice concerning IAEA InTouch+ platform.

Expenditures and Grants

No registration fee is charged to participants.

The IAEA is generally not in a position to bear the travel and other costs of participants in the event. The IAEA has, however, limited funds at its disposal to help meet the cost of attendance of certain participants. Upon specific request, such assistance may be offered to normally one participant per country, provided that, in the IAEA's view, the participant will make an important contribution to the event.

The application for financial support should be made using the **Grant Application Form (Form C)** which has to be stamped, signed and submitted by the competent national authority to the IAEA together with the **Participation Form (Form A)** by **20 January 2023**.

Visas

Participants who require a visa to enter the United States of America should submit the necessary application as soon as possible to the nearest diplomatic or consular representative of the United States of America.

Organization

Scientific Secretary

Ms Virginia Tsapaki

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Department of Nuclear Sciences and Applications

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Subsequent correspondence on scientific matters should be sent to the Scientific Secretary/Secretaries and correspondence on other matters related to the event to the Administrative Secretary.



Participation Form

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To be completed by the participant and sent to the competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA, or National Atomic Energy Authority) of his/her country for subsequent transmission to the International Atomic Energy Agency (IAEA) either by email to: Official.Mail@iaea.org or by fax to: +43 1 26007 (no hard copies needed). Please also send a copy by email to the Scientific Secretary, Ms Virginia Tsapaki, Division of Human Health, Department of Nuclear Sciences and Applications (Email: V.Tsapaki@iaea.org) and to the Administrative Secretary, Ms Simona-Mihaela Ciortan, (Email: S.M.Ciortan@iaea.org).

Participants who are members of an invited organization can submit this form to their organization for subsequent transmission to the IAEA.

Deadline for receipt by IAEA through official channels: 20 January 2023

Family name(s): (same as in passport)	First name(s): (same as in passport)	Mr/Ms
Institution:		
Full address:		
Tel. (Fax):		
Email:		
Nationality:	Representing following Member State/non-Member State/entity or invited organization:	
If/as applicable:		
Do you intend to submit a paper?	Yes	No
Would you prefer to present your paper as a poster?	Yes	No
Title:		

Participants are hereby informed that the personal data they submit will be processed in line with the [Agency's Personal Data and Privacy Policy](#) and is collected solely for the purpose(s) of reviewing and assessing the application and to complete logistical arrangements where required. Further information can be found in the [Data Processing Notice](#) concerning IAEA InTouch+ platform.

Grant Application Form

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Deadline for receipt by IAEA through official channels as per Conference Announcement.

Family name(s): (same as in passport)	First name(s): (same as in passport)	Mr/Ms:
Mailing address:		Tel.:
		Fax:
		Email:
Date of birth (yyyy/mm/dd):	Nationality:	

1. Education (post-secondary):

Name and place of institution	Field of study	Diploma or Degree	Years attended from to	

2. Recent employment record (starting with your present post):

Name and place of employer/ organization	Title of your position	Type of work	Years attended from to	

3. Description of work performed over the last three years:

4. Institute's/Member State's programme in field of event:

Date: _____ **Signature of applicant:** _____

Date: _____ **Name, signature and stamp of Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority**
