

International Atomic Energy Agency

THA6042

New Improving Quality Management in Nuclear Medicine and Diagnostic Radiology

**Workshop on Quality Management Audits in Nuclear Medicine
Practices (QUANUM 2.0)**

11-15 July 2016

Bangkok, THAILAND

National Counterpart

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Workshop on Quality Management Audits in Nuclear Medicine Practices (QUANUM) for THAILAND

PREREQUISITES:

Reading Assignment: Quality Management Audits in Nuclear Medicine Practices (QUANUM) MANUAL 2.0*

***Please bring LAPTOP to view and work on the QUANUM 2.0 Checklist**

The checklist can be downloaded here:

<http://www-pub.iaea.org/MTCD/Publications/PDF/Pub1683Web-68161172.pdf>

<http://www-pub.iaea.org/MTCD/Publications/PDF/SupplementaryMaterials/P1683/Excel/All-Quanum-Checklists.xls>

Learning Objective:

1. Review the basic principles of Quality Management and Quality Management Audits In Nuclear Medicine Practices
2. Discuss the QUANUM Process as it applies to contextual settings
3. Categorize the different components of the QUANUM checklist
4. Propose a schedule of conducting the QUANUM process in place of practice
5. Integrate the concepts of the QUANUM Process assuming the role of an auditee and an auditor
6. Integrate the concepts of QUANUM Process into respective Nuclear Medicine Practice

Programme

MONDAY, 11 JULY 2016

Time	Title	Speaker
Session I: Perspectives on Quality Management Systems Moderator: PASCUAL, Thomas		
08:30 – 09:00	Gathering and Registration	
09:00 – 10:00	Welcome Remarks Participants' Self Introduction: <i>Each participant should give a short introduction regarding professional background and from which center , and a short statement on what are efforts being done to improve the quality of nuclear medicine in their respective center. Maximum of two minutes per participant</i>	Ms Anchali KRISANACHINDA National Counterpart Thomas NB PASCUAL IAEA
10:00-10:30	IAEA Programmes in Nuclear Medicine and The Concept of Practice	Thomas NB Pascual, IAEA
10:30 – 11:00	Coffee Break	
11:00-11.30	Implementing QUANUM Audit at hospital Level: Challenges	Siriraj: Dr.Pawana Pusuwan Chula: Dr.Tawatchai Chaiwatanarat
11.30-12.00	Implementing QUANUM Audit at National Level: Challenges	Ms Anchali KRISANACHINDA National Counterpart
12.00-12.30	Professional Perspectives on Quality Management	Siriraj: Dr.Pawana Pusuwan Ramathibodi: Dr. Krisanat Chuamsaamarkkee
12:30 – 13:15	Lunch Break	
Session II: QUANUM in ACTION: Overview Moderator: KRISANACHINDA, Anchali		
13:15-14:15	QUANUM General Principles: An Overview 1.1. Background 1.2. Objective and scope 1.3. Structure 1.4. Management commitment 1.5. Quality management systems in	Somanesan, S. IEX

	nuclear medicine 1.6. Objective of quality management audit and composition of audit team 1.7. General flow chart of the nuclear medicine audit procedure 1.8. Prioritization 1.9. Limitations 1.9.1. General limitations 1.9.2. Checklist limitations 1.9.3. Responsibility for action	
14:15- 15:15	AUDIT REVIEW STRUCTURE I 2.1. Purpose 2.2. Establishing the audit plan 2.3. Composition of the audit team 2.4. Preparation for the audit 2.5. Components of the audit and responsibilities of the audit team	Sobhan Vinjamuri, IEX
15:15-16:00	Discussion	

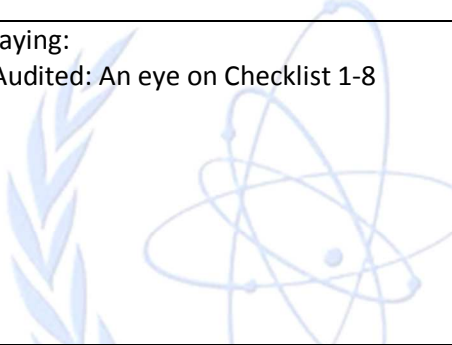
TUESDAY, 12 JULY 2016

Time	Title	Speaker
Session One: The Audit Process and QUANUM Principles in Detail I Moderator: PATHMARAJ, Kunthi IEX		
08:30-09:30	AUDIT REVIEW STRUCTURE II 2.5.1. Entrance briefing 2.5.2. Assessment 2.5.3. Minimum requirements 2.5.4. Conformance and non-conformance statement 2.5.5. Exit briefing 2.6. Conclusion and report 2.7. Dissemination of report 2.8. Follow-up	Somanesan, S. IEX
09:30-11:00	Practical implementation and the Audit process Guide to audit questionnaire CHECKLIST 1-4 Strategies and policies Administration and management Human resources development Computer systems and data handling	PATHMARAJ, Kunthi IEX
11:00-11:30	Coffee Break	
	Practical implementation and the Audit	PATHMARAJ, Kunthi IEX

11:30-12:00	<p>process Guide to audit questionnaire</p> <p>CHECKLIST 5-8 Radiation regulations and safety compliance Radiation protection of the patient Evaluation and assurance of the quality system Quality control for imaging equipment</p>	
12:00-12:45	<p>Practical implementation and the Audit process Guide to audit questionnaire</p> <p>CHECKLIST 9-12 General diagnostic clinical services Assessment of diagnostic imaging procedures</p> <p>Assessment of non-imaging diagnostic procedures General radionuclide therapy Assessment of therapy</p>	VINJAMURI, Sobhan IEX
12:45-13:30	Lunch Break	
13:30-14:30	<p>Practical implementation and the Audit process Guide to audit questionnaire</p> <p>CHECKLIST 13-17</p> <p>IAEA Operational Guidance on Hospital Radiopharmacy</p> <p>Radiopharmacy operational level 1 Radiopharmacy operational level 2,3 Hormone and tumour markers</p>	VILASDECHANON, Nonglak
14:30-15:00	Discussion	

WEDNESDAY, 13 JULY 2016

<p>Session Two: The Audit Process and QUANUM Principles in Detail II Moderator: VINJAMURI, Sobhan IEX</p>		
08:30-09:30	<p>Report Writing Content of report, Format of report, Timing of report</p>	SOMANESAN, S, IEX
09:30-11:00	<p>Going through the checklist: Hands on demonstration/ Familiarization of QUANUM 2.0 features</p>	<p>Thomas NB Pascual, IAEA</p> <p>Facilitators:</p>

		<ol style="list-style-type: none"> 1. VINJAMURI, Sobhan IEX 2. SOMANESAN, S, IEX 3. PATHMARAJ, Kunthi IEX 4. VILASDECHANON, Nonglak 5. PASCUAL, Thomas 6. KRISANACHINDA, Anchali
11:00-11:30	Coffee Break	
QUANUM WORKSHOP Session One: Auditee Perspective on QUANUM Checklists Moderator: SOMANESAN, S, IEX		
11:30-12:00	<p>Guiding Principles: Checklist 1-8 What is Expected, What to Look For, Means of Verification</p> <p>Workshop Group Assignment (Break out into Six groups) Distribution of Reflective Questions per Group</p>	PATHMARAJ, Kunthi IEX
12:00-13:00	<p>Role Playing: Being Audited: An eye on Checklist 1-8</p> 	<p>Group Facilitators</p> <p>Facilitators:</p> <ol style="list-style-type: none"> 1. VINJAMURI, Sobhan IEX 2. SOMANESAN, S, IEX 3. PATHMARAJ, Kunthi IEX 4. VILASDECHANON, Nonglak 5. PASCUAL, Thomas 6. KRISANACHINDA, Anchali
13:00-13:45	Lunch Break	
13:45-14:45	<p>Cont. Role Playing: Being Audited: An eye on Checklist 1-8</p>	<p>Group Facilitators</p> <p>Facilitators:</p> <ol style="list-style-type: none"> 1. VINJAMURI, Sobhan IEX 2. SOMANESAN, S, IEX 3. PATHMARAJ, Kunthi IEX 4. VILASDECHANON, Nonglak 5. PASCUAL, Thomas 6. KRISANACHINDA, Anchali
14:45-15:30	<p>Presentation of Group Reflection Feedback and Discussion</p>	Participants
15:30-16:00	Discussion	

THURSDAY, 14 JULY 2016

QUANUM WORKSHOP: Auditor and Auditee Perspective on QUANUM Checklists Moderator: KRISANACHINDA, Anchali		
08:30-09:00	<p>Guiding Principles: Checklist 09-12 What is Expected, What to Look For, Means of Verification</p>	VINJAMURI, Sobhan IEX

	Guiding Principles Auditee Perspective Workshop Group Assignment (Break out into groups then in pairs) Distribution of Reflective Questions per Group	
09:00-11:00	Role Playing: Being Audited/ Being an Auditor: An eye on Checklist 09-12	Group Facilitators Facilitators: 1. VINJAMURI, Sobhan IEX 2. SOMANESAN, S, IEX 3. PATHMARAJ, Kunthi IEX 4. VILASDECHANON, Nonglak 5. PASCUAL, Thomas 6. KRISANACHINDA, Anchali
11:00-11:30	Coffee Break	
11:30-12:00	Presentation of Group Reflection Feedback and Discussion	Participants

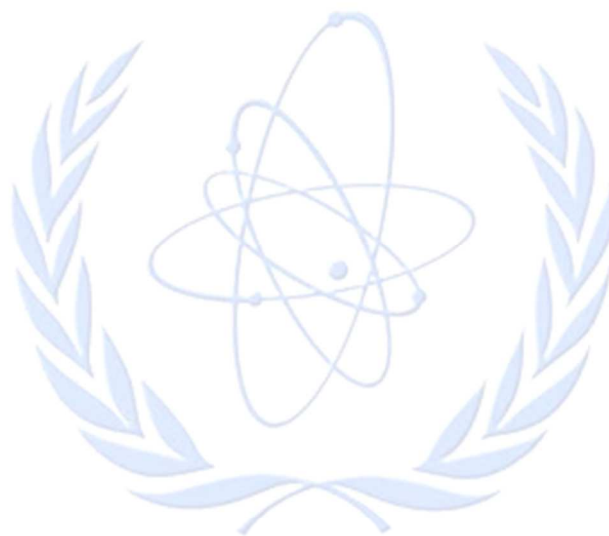
FRIDAY, 15 JULY 2016

QUANUM WORKSHOP Session Five: Auditee Perspective on QUANUM Checklists

Moderator: Thomas Pascual, IAEA

08:30-09:00	Guiding Principles: Checklist 13-15 What is Expected, What to Look For, Means of Verification Orientation to QUANUM Checklists 13-17: Guiding Principles Auditee Perspective Workshop Group Assignment (Break out into Four groups then in pairs) Distribution of Reflective Questions per Group	VILASDECHANON, Nonglak
09:00-11:00	Role Playing: Being Audited/ Auditor: An eye on Checklist 13-15	Group Facilitators Facilitators: 1. VINJAMURI, Sobhan IEX 2. SOMANESAN, S, IEX 3. PATHMARAJ, Kunthi IEX 4. VILASDECHANON, Nonglak 5. PASCUAL, Thomas 6. KRISANACHINDA, Anchali

11:00-11:30	Coffee Break	
11:30-12:00	Presentation of Group Reflection Feedback and Discussion Workshop Highlights and Summary	Participants Thomas Pascual, IAEA
12:00-12:30	Workshop Highlights and Summary	PASCUAL, Thomas, IAEA KRISANACHINDA, Anchali



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