



IAEA

International Atomic Energy Agency

IAEA International Conference on Integrated Medical Imaging in Cardiovascular Diseases

Vienna, Austria

30 September–4 October 2013

Provisional Programme

SUNDAY, 29 SEPTEMBER 2013

16:00-18:00 **Registration and distribution of
conference material**

MONDAY, 30 SEPTEMBER 2013

09:30–10:30 **OPENING SESSION**

09:30- 10:00

D. Mohamad, IAEA
Deputy Director General
Head of Department of Nuclear Sciences
and Applications

K. Aning, IAEA
Deputy Director General
Head of Department of
Technical Cooperation

R. K. Chhem, IAEA
Director
Division of Human Health
Department of Nuclear Sciences
and Applications

M. Venkatesh, IAEA
Director
Division of Physical and Chemical Sciences
Department of Nuclear Sciences
and Applications

10:00–10:30 **J. V. Vitola** **Brazil**

OVERVIEW CV Disease: A major threat to Public Health

1. To illustrate the growing incidence of cardiovascular disease across the world and within specific countries.
2. To demonstrate the value of cardiac imaging in early detection of cardiovascular disease and in guiding treatment

MONDAY, 30 SEPTEMBER 2013

10:30- 12:30 **SESSION 1:**
Current Applications for Cardiac Imaging

Chairperson: **R. M. T. Giubbini**
IAEA Coordinator: **R. Kashyap**

<i>Time</i>	<i>Presenter</i>	<i>Designating Member State/Organization</i>	<i>Lecture Title and Objectives</i>
10:30–11:00	P. Smanio	Brazil	Current Applications for Cardiac Imaging: Nuclear Medicine To determine the current status and review the clinical applications of nuclear cardiology imaging techniques in the management of cardiovascular diseases.
11:00-11: 30	A. Jain	AHA	Current Application for Cardiac Imaging: Echocardiography To determine the current status and review the clinical applications of Echocardiographic imaging techniques in the management of cardiovascular diseases.
11:30-12:00	P. A. Kaufmann	Switzerland	Current Applications for Cardiac Imaging: Computed Tomography To determine the current status and review the clinical applications of CT imaging techniques in the management of cardiovascular diseases.
12:00-12: 30	J. Lotz	ESR	Current Applications for Cardiac Imaging: MRI To determine the current status and review the clinical applications of MR imaging techniques in the management of cardiovascular diseases.
12:30–14:00	<i>Lunch Break</i>		

MONDAY, 30 SEPTEMBER 2013

**14:00–15:30 SESSION 2:
 'How to' stress my patient**

**Chairperson: A. Malhotra, India
IAEA Coordinator: R. Nuñez Miller**

<i>Time</i>	<i>Presenter</i>	<i>Designating Member State/Organization</i>	<i>Lecture Title and Objectives</i>
14:00–14:20	J. Mahmarian	ASNC	Choosing the proper stress test To gain an understanding of the various stress modalities available and how to choose the proper modality in an individual patient.
14:20-14:40	J. V. Vitola	Brazil	Pharmacological stress agents and protocols An overview of pharmacological stress, patient preparation and protocols including combined exercise and vasodilator stress.
14:40-15:00	S. R. Underwood	UK	New pharmacological stressor agents New A2a receptor agonist pharmacological stressor agents, overview and use in special populations
15:00-15:30			Discussion

**15:30-16:30 POSTER REVIEW SESSION 1
 with coffee/tea/refreshments**

Location: Corridor A, B, C: Ground Floor

IAEA Coordinator: T. Pascual

<i>Poster Reviewers</i>	<i>Designating Member State/Organization</i>
A. Bischof Delaloye	Switzerland
S. Merlano Gaitán	Colombia
F. Mut Bastos	Uruguay
S. E. Bouyoucef	Algeria
H. Bom	ARCCNM
E. Mishani	Israel
G. L. Dillehay	SNMMI
V.Kumar	Australia
A. Malhotra	India

MONDAY, 30 SEPTEMBER 2013

16:30-17:50 **SESSION 3: READ WITH EXPERTS (RWE)**
Cardiac imaging techniques in clinical practice

Chairperson: **F. Mut Bastos, Uruguay**
IAEA Coordinator: **D. Paez**

<i>Time</i>	<i>Presenter</i>	<i>Designating Member State/Organization</i>	<i>Lecture Title and Objectives</i>
16:30-16:50	R. M. T. Giubbini	Italy	SPECT To develop an understanding of: 1. Clinical use of SPECT 2. Pitfalls in usage
16:50-17:10	B. Elison	ANZSNM	CTCA To develop an understanding of: 1. Clinical use of CTCA 2. Pitfalls in usage
17:10-17:30	A. Meave	Mexico	Cardiac MR To develop an understanding of: 1. Clinical use of MR 2. Pitfalls in usage
17:30-17:50	V. R. Lele	India	PET To develop an understanding of: 1. Clinical use of PET 2. Pitfalls in usage
18:00 -20:00	Welcome Reception		
<i>Location:</i>	<i>Corridor A, B, C: Ground Floor</i>		

TUESDAY, 1 OCTOBER 2013

8:30 - 09:00 **SESSION 4:**
Anatomy, Physiology and biology
of coronary arteries

To review basic aspects of coronary anatomy and physiology

Speaker: **E. Alexanderson Rosas, WFNMB**

09:00-10:30 **SESSION 5: Cardiac imaging in trials of**
CAD management

Chairperson: **F. Mut Bastos, Uruguay**
IAEA Coordinator: **T. Pascual**

<i>Time</i>	<i>Presenter</i>	<i>Designating Member State/Organization</i>	<i>Lecture Title and Objectives</i>
09:00-09:20	S. R. Underwood	UK	Clinical trials in chronic coronary artery disease Take home messages from recent clinical trials including CE-MARC, MR-IMPACT2, DIAD, etc.
09:20-09:40	J. Mahmarian	ASNC	Clinical trials in acute coronary syndromes To increase awareness of the role of cardiac imaging in the evaluation of patients with acute chest pain and how recent clinical trials (e.g. Romicat, Inspire) can guide patient triage and clinical decision-making.
09:40-10:00	G. Karthikeyan	India	Clinical trials in imaging for coronary revascularization To provide a balanced perspective on the role of imaging in decisions on coronary revascularization based on a critical appraisal of the available evidence from randomized trials e.g. STICH, COURAGE, etc.
10:00-10:30			Discussion
10:30-11:00	<i>Coffee/Tea Break</i>		

TUESDAY, 1 OCTOBER 2013

11:00-12:30 **SESSION 6: Appropriate use criteria for cardiac imaging techniques**

Chairperson: **J. Mahmarian, ASNC**
IAEA Coordinator: **T. Pascual**

<i>Time</i>	<i>Presenter</i>	<i>Designating Member State/Organization</i>	<i>Lecture Title and Objectives</i>
11:00-11:20	A. Einstein	ASNC	<p>The appropriate use of SPECT/PET</p> <ol style="list-style-type: none"> 1. Understand the development and application of appropriate use criteria and clinical practice guidelines. 2. Learn common appropriate and inappropriate indications for cardiac imaging. 3. Gain familiarity with the literature on rates of appropriateness and strategies to improve appropriateness.
11:20-11:40	A. Jain	AHA	<p>The appropriate use of stress echo</p> <ol style="list-style-type: none"> 1. Understand the development and application of appropriate use criteria and clinical practice guidelines. 2. Learn common appropriate and inappropriate indications for cardiac imaging. 3. Gain familiarity with the literature on rates of appropriateness and strategies to improve appropriateness.
11:40-12:00	J. Lotz	ESR	<p>The appropriate use of CT and MRI</p> <ol style="list-style-type: none"> 1. Understand the development and application of appropriate use criteria and clinical practice guidelines. 2. Learn common appropriate and inappropriate indications for cardiac imaging. 3. Gain familiarity with the literature on rates of appropriateness and strategies to improve appropriateness.
12:00-12:30			Discussion
12:30-14:00	<i>Lunch Break</i>		

TUESDAY, 1 OCTOBER 2013

14:00- 15:15 SESSION 7: Customizing imaging and acquisition protocols for CAD Detection

Chairperson: S. Merlano Gaitán, Colombia
IAEA Coordinator: R. Nuñez Miller

<i>Time</i>	<i>Presenter</i>	<i>Designating Member State/Organization</i>	<i>Lecture Title and Objectives</i>
14:00-14:20	J. V. Vitola	Brazil	Current tracers for PET and SPECT: advantages and disadvantages <ol style="list-style-type: none"> To provide an overview of the basic principles and methodologies involving current tracers for CAD detection. To gain an understanding of customizing the imaging general advantages and limitations; pros and cons for patient selection).
14:20-14:40	N. Better	ANZSNM	Optimizing imaging protocols for CAD detection <ol style="list-style-type: none"> Overview of currently available imaging protocols Choosing the optimal protocol for an individual patient
14:40-15:00	S. E. Bouyoucef	Algeria	Practicing nuclear cardiology in emerging economies How to overcome challenges to the practice of nuclear medicine in emerging economies
15:00-15:15			Discussion
15:15-16:15	POSTER REVIEW SESSION 2 with coffee/tea/refreshments		
Location:	Corridor A, B, C: Ground Floor		
IAEA Coordinator:	T. Pascual		

<i>Poster Reviewers</i>	<i>Designating Member State/Organization</i>
A. Bischof Delaloye	Switzerland
S. Merlano Gaitán	Colombia
F. Mut Bastos	Uruguay
S. E. Bouyoucef	Algeria
H. Bom	ARCCNM
E. Mishani	Israel
G. L. Dillehay	SNMMI
V.Kumar	Australia
A. Malhotra	India

TUESDAY, 1 OCTOBER 2013

16:15-17:30 **SESSION 8: READ WITH EXPERTS (RWE)**
Recognizing Artefacts and Pitfalls

Chairperson: **S. R. Underwood, UK**
 IAEA Coordinator: **R. Kashyap**

<i>Time</i>	<i>Presenter</i>	<i>Designating Member State/Organization</i>	<i>Lecture Title and Objectives</i>
16:15 -16:35	R. M. T. Giubbini	Italy	Overview of artefacts in nuclear cardiology To provide an overview of the artefacts in nuclear cardiology
16:35 -16:55	P. Smanio	Brazil	Recognizing Artefacts and Pitfalls II The participants should be able to recognize common artefacts and pitfalls in myocardial perfusion SPECT imaging and read the scan around them
16:55 -17:15	S. Merlano Gaitán	Colombia	Recognizing Artefacts and Pitfalls III The participants should be able to recognize common motion artefacts and pitfalls in myocardial perfusion SPECT imaging and read the scan around them
17:15 -17:35	H. Bom	ARCCNM	Recognizing Artefacts and Pitfalls IV The participants should be able to recognize common artefacts and pitfalls in myocardial perfusion SPECT imaging and read the scan around them

WEDNESDAY, 2 OCTOBER 2013

8:30-09:00 **SESSION 9:**
How to read a coronary angiogram-
Anatomy in context

An introduction to interpretation of invasive coronary angiograms from a diagnostic and treatment perspective

Speaker: **G. Karthikeyan, India**

09:00-10:30 **SESSION 10: Safety Considerations**

Chairperson: **S. E. Bouyoucef, Algeria**
IAEA Coordinator: **G. L. Poli**

<i>Time</i>	<i>Presenter</i>	<i>Designating Member State/Organization</i>	<i>Lecture Title and Objectives</i>
09:00-09:20	M. Rehani	ESR	<p>Radiation burden in Cardiac Imaging</p> <ol style="list-style-type: none"> 1. To learn about levels of radiation doses to patients in cardiac imaging examinations 2. To understand radiation burden of cardiac imaging vis a vis overall radiological exposures to patients 3. To become familiar with safety implications for individual patient radiation burden
09:20-09:40	P. Kaufmann	Switzerland	<p>Safety of Contrast Agents-CT/MR/Echo</p> <ol style="list-style-type: none"> 1. To be aware of the most important contrast agent related safety issues 2. To be able to assess the individual risk 3. To know strategies to prevent the contrast associated risks
09:40-10:00	A. Einstein	ASNC	<p>Safety concerns in cardiovascular imaging and optimization strategies in SPECT and CT</p> <ol style="list-style-type: none"> 1. Review safety concerns with drugs used for cardiac imaging. 1. Learn basics of radiation safety. 2. Survey approaches used to reduce radiation dose in SPECT and CT.
10:00-10:30			Discussion
10:30-11:00	<i>Coffee/Tea Break</i>		

WEDNESDAY, 2 OCTOBER 2013

11:00-12:20 **SESSION 11: READ WITH EXPERTS (RWE)**
Challenging cases - stump the stars

Chairperson: **P. Smanio, Brazil**
IAEA Coordinator: **D. Paez**

<i>Time</i>	<i>Presenter</i>	<i>Designating Member State/Organization</i>	<i>Lecture Title and Objectives</i>
11:00 -11:20	S. R. Underwood	UK	Challenging Cases I A systematic approach to interpretation of common and less common nuclear cardiology cases
11:20-11:40	F. Mut Bastos	Uruguay	Challenging Cases II Cases on application of nuclear techniques in the diagnostic and prognostic assessment of heart failure patients
11:40-12:00	J. V. Vitola	Brazil	Challenging Cases III Examples of particularly challenging cases with discussion.
12:00-12:20	V. R. Lele	India	Challenging Cases IV Review of challenging cases in Nuclear cardiology
<hr/>			
12:20-13:30	<i>Lunch Break</i>		

WEDNESDAY, 2 OCTOBER 2013

13:30-15:00 **SESSION 12:**
Physics and Radiochemistry

Chairperson: **V. Kumar, Australia**
IAEA Coordinator: **U. Bhonsie**

<i>Time</i>	<i>Presenter</i>	<i>Designating Member State/Organization</i>	<i>Lecture Title and Objectives</i>
13:30 -14:00	G. De Puey	ASNC	Hardware and Software for MPI <ol style="list-style-type: none"> Describe scintillation camera and software reconstruction software advancements that allow for reduce SPECT MPI acquisition time and reduced injected activity Understand how iterative reconstruction, noise reduction, and resolution recovery allow for reduce SPECT MPI acquisition time and reduced injected activity
14:00 -14:30	S. Liu	USA	New SPECT Radiotracers for Myocardial Perfusion Imaging Better understanding of new SPECT radiotracers for myocardial perfusion imaging
14:30 -15:00	E. Mishani	Israel	PET MPI imaging agents <ol style="list-style-type: none"> Summary of clinically available PET MPI agents The advantages/drawbacks of PET MPI agents The current status of potential PET MPI agents which are either under clinical trials or preclinical evaluation.

THURSDAY, 3 OCTOBER 2013

08:30–09:00 **SESSION 13:**
ECG Interpretation

Basics of ECG – Recognition of patterns that could influence nuclear cardiology results

Speaker: **J. V. Vitola, Italy**

09:00-10:30 **SESSION 14: Patient Centered Imaging**

Chairperson: **A. Bischof Delaloye, Switzerland**
IAEA Coordinator: **R. Kashyap**

<i>Time</i>	<i>Presenter</i>	<i>Designating Member State/Organization</i>	<i>Lecture Title and Objectives</i>
09:00-09:20	J. Mahmarian	ASNC	<p>Patient centered imaging: The Asymptomatic Patient</p> <ol style="list-style-type: none"> 1. What is the role of cardiac imaging techniques in evaluating asymptomatic patients at risk for coronary artery disease. 2. Who should be imaged and what imaging technique is appropriate based on an individual's clinical risk profile
09:20-09:40	G. De Puey	ASNC	<p>Patient-Centered Imaging: Symptomatic patient with suspected or known CAD</p> <ol style="list-style-type: none"> 1. Choose the imaging protocol that will provide the greatest diagnostic accuracy and risk-stratification capabilities 2. Choose the stress modality that will yield the greatest diagnostic information
09:40-10:00	N. Better	ANZSNM	<p>Patient-centred imaging in patients with acute chest pain To be able to use nuclear cardiology techniques appropriately in high risk groups (e.g. diabetics, vascular patients, pre-op evaluation) in triaging patient management.</p>
10:00-10:30			Discussion
10:30–11:00	<i>Coffee/Tea Break</i>		

THURSDAY, 3 OCTOBER 2013

11:00–12:30 **SESSION 15:- Imaging Heart Failure**Chairperson: **A. J. Einstein, ASNC**
IAEA Coordinator: **R. Nuñez Miller**

<i>Time</i>	<i>Presenter</i>	<i>Designating Member State/Organization</i>	<i>Lecture Title and Objectives</i>
11:00-11:20	J. Lotz	ESR	Imaging Heart Failure: The role of CT and MR <ol style="list-style-type: none"> 1. Current concepts of imaging the different stages of heart failure 2. Imaging surrogate parameters for diagnosis of subclinical and clinically overt heart failure 3. Prognostic imaging parameters for heart failure 4. Imaging concepts at the edge of clinical use: Real-time imaging and more
11:20-11:40	A. Flotats Giralt	Spain	Imaging Heart Failure: The Role of SPECT/PET A basic understanding of the use of SPECT/PET in patients with heart failure.
11:40-12:00	A. Jain	AHA	Echocardiography: advancements in patient imaging, has it benefited patient care? <ol style="list-style-type: none"> 1. Role of echocardiography in management of heart disease 2. Advances made in technology 3. How to interpret the results in conjunction with other data and improve patient care
12:00-12:30			Discussion
12:30–14:00	<i>Lunch Break</i>		

THURSDAY, 3 OCTOBER 2013

14:00–15:30 **SESSION 16: Analyse, interpret, quantify and report**

Chairperson: **A. Jain, AHA**
IAEA Coordinator: **D. Paez**

<i>Time</i>	<i>Presenter</i>	<i>Designating Member State/Organization</i>	<i>Lecture Title and Objectives</i>
14:00-14:20	G. De Puey	ASNC	<p>Image processing, analysis and Interpretation</p> <ol style="list-style-type: none"> 1. Systematically view and analyse planar projection images and reconstructed tomograms to anticipate and recognize artefacts 2. Combine perfusion and functional information to recognize artefacts and improve diagnostic sensitivity and specificity
14:20-14:40	P. A. Kaufmann	Switzerland	<p>Quantification and report</p> <ol style="list-style-type: none"> 1. To learn the most important methods of quantification in nuclear cardiology 2. To be able to appreciate the clinical impact of quantification.
14:40-15:00	N. Better	ANZSNM	<p>How to report a Nuclear Cardiology study; integrating all information into a final report</p> <p>To incorporate the clinical data, exercise data and scintigraphic data (perfusion and function) into a final report to answer the referring doctor's question.</p> <p>Discussion</p>
15:00-15:30			
15:30-16:30	POSTER REVIEW SESSION 3 with coffee/tea/refreshments		
Location:	Corridor A, B, C: Ground Floor		
IAEA Coordinator:	T. Pascual		

<i>Poster Reviewers</i>	<i>Designating Member State/Organization</i>
A. Bischof Delaloye	Switzerland
S. Merlano Gaitán	Colombia
F. Mut Bastos	Uruguay
S. E. Bouyoucef	Algeria
H. Bom	ARCCNM
E. Mishani	Israel
G. L. Dillehay	SNMMI
V.Kumar	Australia
A. Malhotra	India

THURSDAY, 3 OCTOBER 2013

16:30-17:50 **SESSION 17: READ WITH EXPERTS (RWE)**
Congestive Heart Failure

Chairperson: **G. De Puey, ASNC**
IAEA Coordinator: **R. Kashyap**

<i>Time</i>	<i>Presenter</i>	<i>Designating Member State/Organization</i>	<i>Lecture Title and Objectives</i>
16:30-16:50	A. Meave	Mexico	Read with Experts- Congestive Heart Failure Analysis of the methodical approach in CHF clinical cases using MR & CT
16:50-17:10	R. M. T. Giubbini	Italy	Read with Experts: Congestive Heart Failure II An expert opinion on the current use of imaging in congestive heart failure using SPECT
17:10-17:30	E. Alexanderson Rosas	WFNMB	Read with Experts: Congestive Heart Failure III Use of PET CT for evaluation of endothelial and coronary function as well as myocardial flow.
17:30-17:50	A. Flotats Giralt	Spain	Read with Experts: Congestive Heart Failure IV Current use of radionuclide imaging techniques in heart failure (viability PET vs. SPECT, MIBG.).

FRIDAY, 4 OCTOBER 2013

8:30-09:00 **SESSION 18: Clinical risk-stratification:
role in interpretation of imaging studies
and patient management**

Speaker: **G. Karthikeyan, India**

To highlight the influence of prior probability estimates derived from clinical risk scores on the interpretation of results of imaging studies, and their impact on patient management decisions

09:00-10:30 **SESSION 19: Quality of Practice**

Chairperson: **H. Bom, ARCCNM**
IAEA Coordinator: **M. Haji-Saeid**

<i>Time</i>	<i>Presenter</i>	<i>Designating Member State/Organization</i>	<i>Lecture Title and Objectives</i>
09:00-09:20	K. Bacher	Belgium	Quality control in cardiac nuclear medicine and cardiac CT 1. To understand the principles of quality control in cardiac CT and cardiac nuclear imaging 2. To understand the role of the medical physicist in quality assurance in cardiovascular imaging
09:20-09:40	E. Mishani	Israel	The quality control process of MPI agents Understanding the rationale beyond quality assurance and control of MPI agents
09:40-10:00	A. Bischof Delaloye	Switzerland	Quality of practice: Clinical Audit To develop a basic understanding of QA and clinical auditing in cardiovascular imaging
10:00-10:30			Discussion
10:30–11:00	<i>Coffee/Tea Break</i>		

FRIDAY, 4 OCTOBER 2013

11:00-12:30 **SESSION 20: Hybrid imaging**Chairperson: **A. Bischof Delaloye, Switzerland**
IAEA Coordinator: **A. Duatti**

<i>Time</i>	<i>Presenter</i>	<i>Designating Member State/Organization</i>	<i>Lecture Title and Objectives</i>
11:00-11:20	B. Elison	ANZSNM	Hybrid Imaging: SPECT/CT 1. How does the use of hybrid imaging improve accuracy/specificity of the study 2. Role of CT attenuation correction and its uses 3. Changing indications of SPECT/CT imaging
11:20-11:40	E. Alexanderson Rosas	WFNMB	Hybrid Imaging: PET/CT and PET/MR To understand the main applications of hybrid techniques in heart studies
11:40-12:00	P. A. Kaufmann	Switzerland	Image Fusion - promises and pitfalls 1. Hybrid imaging techniques 2. Involvement of different specialties and liability issues / non cardiac findings.
12:00-12:30			Discussion

12:30-13:30 CLOSING SESSIONChairpersons: **M. Dondi, IAEA****M. Haji-Saeid, IAEA****12:30-13:00 J. Mahmarian ASNC****Highlights****13:00-13:30 M. Dondi IAEA****Closing ceremony and Poster awards**

POSTERS

MONDAY, 30 SEPTEMBER 2013

□ Member State experience with SPECT, PET, echocardiography, CT and MRI in the management of CVDs

Location: Corridor A, B, C: Ground Floor

<i>No of Poster IAEA-CN-202-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
A - Member State experience with SPECT, PET, echocardiography, CT and MRI in the management of CVDs			
103	N. Khelassi-Toutaoui A. Benali A. Toutaoui et al.	Algeria	Cardiac CT Patient Dose in Algeria: First Results
104	G. Malhotra K. Panchal M.V. Reddy R.V. Asopa et al.	India	A Study of 4 Minutes versus 6 Minutes Protocol for Pharmacological Stress Testing Using Adenosine for Myocardial Perfusion Imaging and Comparison with Echocardiography Findings
106	F. Alam R. Hossain A. K. Sarker	Bangladesh	Correlation & Agreement of Measurements of Left Ventricular Ejection Fraction by Radionuclide Methods & Echocardiogram
108	M. Josefina Jofré Manieu	Chile	Fluorodeoxyglucose in the Assessment and Therapy Control of an Atrial Angiosarcoma
109	I. Kostadinova S.Ivanova M.Garcheva	Bulgaria	Application of SPECT-CT in Patients with Suspicion of a Vascular Graft Infection
111	G. Bural D. Torigian M. Houseni A. Alavi	Turkey	FDG Uptake in Large Arteries, Comparison between Genders and Correlation with Aging
112	P. Subramanyam S. S. Palaniswamy	India	Implications of Persistent ST Segment Elevation in Q-Wave Anteroseptal Myocardial Infarction – Correlation with Myocardial Perfusion Gated SPECT

<i>No of Poster IAEA-CN-202-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
113	P. Subramanyam S. S. Palaniswamy	India	Is Exercise Induced ST Depression an Accurate Indicator of Viability in Infarct-Related Artery? - A Myocardial Perfusion SPECT Study
114	M. Garcheva-Tsacheva I. Kostadinova	Bulgaria	Influence of Attenuation Correction on the Interpretation of Myocardial Perfusion Images
115	A. Dustov U. Kurbanov M. Mirshahi	Tajikistan	Dynamics of Myocardial Perfusion with MIBI in Patients with Coronary Heart Disease and Post-Infarction Cardiosclerosis after Stem Cell Therapy
116	S. J. Gandhi S. L. G. Praveen S. Padma S. S. Palaniswamy	India	Early Diastolic Dysfunction Detection by 16 bin Gated MPI SPECT in End Stage Liver Disease Patients with Normal Myocardial Perfusion Undergoing Pre-Transplant Cardiac Evaluation
117	S. J. Gandhi S. L. G. Praveen S. Padma S. S. Palaniswamy	India	Can MPI SPECT Predict Abnormalities on Carotid / Lower Limb Doppler USG for Extra Coronary Atherosclerotic Disease
118	S.S. Palaniswamy S. Padma	S. India	Role of Myocardial Perfusion SPECT in the Prediction of Post-Surgery Recovery of Ischemic Mitral Regurgitation in Patients with Severe LV Dysfunction
119	D. Nariman E. Purnomo	Indonesia	The Correlation between LVEF Gated-SPECT with Hemodialysis, Calcium-Phosphorus Product and Parathyroid Hormone in Patients with Chronic Kidney Diseases
120	AS. Doğan E. İzgi ME. Erkan M. Aşık et al.	Turkey	Correlation between Mean Platelet Volume and Myocardial Perfusion SPECT Parameters
121	D. Sobic-Saranovic Z. Petrasinovic V. Artiko V. Obradovic	Serbia	Evaluation of Gated SPECT MIBI Functional and Perfusion Abnormalities in Patients with Previous Inferior Myocardial Infarction
122	O. Solodiannikova N. Golovko L. Shevchuk	Ukraine	Possibilities of Echocardiography in Estimation of Cardiotoxicity of Chemotherapy in Cancer Patients

<i>No of Poster IAEA-CN-202-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
123	X. Liu J. Yuan C. Liu J. J. Zaknun	China	Comparison of Left Ventricular Ejection Fraction between Gated Myocardial Perfusion SPECT/CT and Echocardiography in CHD patients
124	M. Y. Abbass S. A. Shehata F. E. Abd El-Samie	Egypt	Improved Separation of Electrocardiography signals and Mixed MR Image by Using Finite Ridgelet Transform
125	V. Agarwal	India	Does the Thallium Defect Pattern in Myocardial Perfusion Scintigraphy Depict the Level of Stenoses in Single Vessel CAD Involving the Left Anterior Descending Artery
126	S. Rahabi M. Habbeche I. Ghedbane A. Khelifa et al.	Algeria	Myocardial Infarct in Young Patients: SPECT MPI Findings
127	S.E. Bouyoucef S. Rahabi M. Habbeche I. Ghedbane et al.	Algeria	Brain Natriuretic Peptide Correlation Study with SPECT Stress and Rest MPI Findings
129	S. Merlano Gaitán E. Rodríguez R. Murgueitio	Colombia	Proportion of Patients with QRS Greater than 120 msec and Normal Phase Gated SPECT MPI Image
130	C. A. Stan C. Chirion D. A. Stanescu D. C. Calin et al.	Romania	Evaluation of Myocardial Viability with Myocardial Perfusion Imaging in Patients with Left Ventricular Aneurysms
133	H. Le Ngoc V. P. Lan L. M. Ha	Vietnam	Characteristics of Perfusion Defects, Left Ventricular Function and Prognostic Value of Early Dipyridamole Tc99m-sestamibi Gated SPECT MPI in Post-Myocardial Infarction Patients without Primary Angioplasty
134	G. Estrada Sánchez J. Altamirano	Mexico	¹³ N-ammonia Cardiac PET/CT and Coronary CT Angiography

<i>No of Poster IAEA-CN-202-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
136	P. S. Choudhury A. K. Chaturvedi S. A. Rao N. Watanabe	India	Evaluation of a Single Utilization of Pulmonary Perfusion Scintigraphy in Patients with Suspected Pulmonary Embolism
138	K. R. Byanyima	Uganda	Diagnostic Reference Levels for Adult Postero-Anterior Chest X-ray Examination in Kampala, Uganda - A Precursor for the National Diagnostic Reference Level
140	G. Priyanka L. Vikram	India	Indian Experience with Ultrafast Solid State Detector Dedicated Cardiac Camera in Myocardial Perfusion Imaging (MPI)
141	A. F. Apostol	Philippines	The Incremental Prognostic Value of SPECT-MPI in Predicting Cardiovascular Events in Patients with Metabolic Syndrome with Suspected CAD
142	B. Caliskan	Turkey	Referral Physicians' Indications for Myocardial Perfusion Scintigraphy
143	C. T. Mesquita S. Garcia J. C. de Azevedo A. Ribeiro et al.	Brazil	Phase Analysis by Gated Tc-99m sestamibi SPECT for Left Ventricular Dyssynchrony: Impact of Myocardial Ischemia.
144	A. P. Quinon	Philippines	Correlation between Stress and Rest Left Ventricular Ejection Fraction in Gated Single Photon Emission Computed Tomography (SPECT) with the Extent and Severity of Perfusion Abnormalities
146	I. S. Bandong	Philippines	Positron Emission Tomography versus Cardiac Magnetic Resonance Imaging for the Assessment of Myocardial Viability: A Meta-Analysis
147	J. I. Arma A. Mollerach L. Paganini V. Jager	Argentina	PET/CT: Uptake Pattern in Prosthetic Heart Valves
148	C. Arroyo Castelán J. Z. García R. M. Cuaxospa	Mexico	Utility of Myocardial Perfusion Studies for the Re-stratification of Risk of Ischemic Heart Disease and its Frequent Risk Factors

<i>No of Poster IAEA-CN-202-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
149	I. Cho	ACCNM	Clinical Experience and Applications of Simultaneous PET/MR Imaging in Cardiology
150	A. Elliyanti A. H. S. Kartamihardja	Indonesia	A Discordance Results between Myocardial Perfusion Imaging with Angiography: A Case Report
151	B. Hidayat B. Darmawan S. Massora D. Sonjaya	Indonesia	EF Determination using Tc-99m-Red Blood Cells (RBC) MUGA Blood Pool Scintigraphy in the Late Advance Breast Cancer (LABC) Cases with Skin Ulcer: A Local Experience
152	P. Orellana Briones A. Haeger R. Jaimovich R. Baeza	Chile	Myocardial Perfusion Scintigraphy and CT Coronary Angiography in the Evaluation of Coronary Artery Disease
153	M. Parmar	India	Impact of stress induced 201 TI gated MPS on LV dyssynchrony by phase analysis
154	R. Rasheed	Pakistan	TC ^{99m} MIBI SPECT, Single Injection Dual Screening of IHD (Silent Myocardial Infarction) and Peripheral Arterial Disease (PAD) in Diabetes Mellitus
155	M. Niella D. Fino F. Gonzalez A. A. Astesiano et al.	Argentina	Capacity of Steady-State CMR Imaging Sequence for Myocardial Necrosis Detection
156	F. Rodrigues Filho J. Soares Jr M. Izaki M. C. P. Giorgi et al.	Brazil	Influence of a Low-Carbohydrate Diet on the Assessment of Myocardial Viability with 18F Fluorodeoxyglucose PET: Comparison with the Euglycemic Hyperinsulinemic Clamp
157	G. Khachatryan K. Khondkaryan	Armenia	Myocardium State and Ventricle Perfusion Features in Civil Aviation Flying Personnel
159	A. Sood	India	Role of [13N] NH3-[18F] FDG PET/CT in Predicting the Outcome in Patients with Coronary Artery Disease

<i>No of Poster IAEA-CN-202-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
160	M. Ait Idir A. Guensi S. Taleb F. Chabraoui et al.	Morocco	Myocardial Ischemia in Patients with Diabetes: Contributions of Myocardial Perfusion Imaging
161	I. S. Bandong	Philippines	Prognostic Value of Thallium ECG-gated Myocardial Perfusion Single-Photon Emission Computed Tomography (SPECT) Left Ventricular Parameters in Patients with Suspected Coronary Artery Disease
165	R. Yudistiro	Indonesia	Myocardial Perfusion Scan (MPS) Results in Asymptomatic Patients with Coronary Artery Disease (CAD) Risk Factors
166	J. S. González Araya	Chile	99mTc-sestamibi Exercise SPECT and Follow-up in Patients Able to Reach 10 Metabolic Equivalents of Task (METs)
167	E. Lemos Pereira L. Oliveira M. Fernandes P. Colarinha	Portugal	Feasibility of ECG-gated at Myocardial Perfusion Studies: is it Worthy to ECG-gated at both Stress and Rest
168	M. Mouloudi T. Bassaid N. Kriou A. Boubendir et al.	Algeria	The Place of Cardiac Computed Tomography Angiography (CCTA) in Cardiac Pathology
170	J. C. Manrique-Arias V.M. Lara-Camacho M. Avila-Garcia A. Flores-Moreno et al.	Mexico	Preparation and Preclinical Evaluation of [⁶⁴ Cu]Cu(II)-PTSM: A Tracer for Myocardial Perfusion

POSTERS

TUESDAY 1, OCTOBER 2013

□ Member State experience with SPECT, PET, echocardiography, CT and MRI in the management of CVDs

Location: Corridor A, B, C: Ground Floor

<i>No of Poster IAEA-CN-202-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
171	S. Sidibé S. Traoré R. Diakité	Mali	Evaluation of Left Ventricular Function in Mali using a Radionuclide Method: Application, Methodology and Normal Values
172	A. Puente J. Morales G. Meléndez	Mexico	Gated SPECT Functional Assessment in Obese Patients
174	P. K. Huynh X. Q. Truong	Vietnam	Rest Thallium-201/Stress Technetium-99m sestamibi Dual-Isotope Myocardial Perfusion Single-Photon Emission Computed Tomography in Detecting of Chronic Coronary Artery Disease
175	K. Khan Jielani Ayub Abbasi et al.	Pakistan	Sodium Bicarbonate Augmented ²⁰¹ Tl Rest/Redistribution Myocardial Perfusion SPECT in Detecting Myocardial Viability
177	S. Afroz	Bangladesh	Gated SPECT Imaging for Evaluation of Coronary Artery Disease - Experience in a Developing Country
178	O. Diop S. Seck Gassama E. H. L. Bathily G. A. Kabre et al.	Senegal	Challenges in Nuclear Cardiology in Senegal
179	M. Mbodj O. Diop B. Ndong E. H. L. Bathily et al.	Senegal	Evaluation of Coronary Artery Disease Using Stress ECG and Myocardial Perfusion Imaging in a Developing Country

180	S. Seck Gassama O. Diop B. Ndong E. H. L. Bathily et al.	Senegal	Experience with Performing Myocardial Perfusion Imaging (MPI) in Ischemic Heart Disease in Senegal
183	K. Myint	Myanmar	Nuclear Cardiology Status in Myanmar
184	G. Fadrags	Cuba	Prognostic Value of Myocardial Perfusion Test with 99mTc-MIBI in Symptomatic and Asymptomatic Patients with Coronary Risk Factors
186	M. Montecinos Santibanez, M. Mera S. Lapresa M. Casal et al.	Argentina	Usefulness of Assessment of Coronary Reserve Flow in a Patient with Coronary Multivessel Disease
187	S. Voo M. Kemna P. van Paassen J. W. Cohen-Tervaert et al.	Netherlands	18F-FDG PET-CT Imaging for the Evaluation of Small- and Medium-size Vessel Vasculitis
188	M. Havel O. Kraft	Czech Republic	Comparison of Myocardial Perfusion SPECT Acquired with Linear Energy High Resolution Collimators (LEHR) and SMARTZOOM Collimators, Automatic Quantitative Software Differences
189	L. Henzlová M. Kamínek I. Metelková M. Budíková et al	Czech Republic	Combination of Myocardial Perfusion SPECT with Calcium Score Measurement Improved the Detection of Ischemic Cardiomyopathy
190	A.Y. Chambi Cotrado	Brazil	Myocardial SPECT CT: Evaluation of Calcium Score during Perfusion SPECT Adds Diagnostic and Prognostic Data
191	C. C. Wiefels S. Garcia J. C. de Azevedo A. Ribeiro et al.	Brazil	Evaluation of Cardiac Synchronism by GATED SPECT: Impact of Myocardial Fibrosis

192	F. Faccio	Argentina	Predicting Variables of Abnormal Myocardial Perfusion (MP) in Asymptomatic Patients
194	C. J. Trauernicht T. Kotze R. Steyn J. Boniaszczuk	South Africa	Phantom Study of Myocardial Perfusion SPECT-CT
195	K. Purbhoo	South Africa	Efficacy of Full Fat Milk versus Diluted Lemon Juice to Reduce Interfering Infra-Cardiac Activity of Tc-99m Sestamibi during Myocardial Perfusion Imaging
196	C. Martínez G. Solis D. López A. Puente	Mexico	Changes in Myocardial Perfusion in Patients Undergoing Cardiac Resynchronization
198	D. Vajauskas A. E.Tamošiūnas	Lithuania	Cardiac Adrenergic Innervation Imaging Assessed with SPECT: Imaging Beyond Planar Cardiac Adrenergic Innervation Scan
199	O. Moskalets Y. Kmetyuk O. Bondaruk A. Ashykhmin	Ukraine	Abnormalities of Myocardial FDG Uptake during Routine Oncology Positron Emission Tomography Studies
200	A. Al-Shammari R. Ashkanani S. Alabsi S. Alenezi et al.	Kuwait	F18-FDG PET/CT in Assessing Myocardial Viability: First Kuwait Experience
202	I. Berrocal Gamboa, C. Fonseca M. Torres J. Salas et al.	Costa Rica	Prone Myocardial Perfusion SPECT Additional Imaging: Review of Results vs. Supine in the Interpretation
203	N. Zafrir	Israel	Myocardial Perfusion Imaging with Half the Radiation Dose using Conventional Gamma Camera
204	A. A. Chaname Abad	Peru	Usefulness of the Study of Myocardial Perfusion with Dipyridamole in Clinical Practice
205	M. R. Mititelu C. Mazilu	Romania	Myocardial Perfusion Imaging in Patients with Diabetes Mellitus

206	A. Haeger R. Jaimovich P. Orellana JC. Quintana et al	Chile	Usefulness of SPECT-CT in myocardial perfusion studies
214	R. W. Lopes I. M. F. Pinto L. E. Mastrocola F. B. P. Alves	Brazil	Assessment of Suspected Coronary Arterial Disease using Myocardial Perfusion Scintigraphy (SPECT) Combined with Multi-Detector Computed Tomography in a Brazilian Population
215	J. P. Zhindon Pacurucu	Chile	Importance of Adequate Quality Control of Left Ventricular Boundaries with Commercial Software in Gated Myocardial Perfusion SPECT: Analysis of Patients with Ventricular Dilatation and Myocardial Infarction
216	L. T.D. P. Massardo Vega	Chile	Assessment of Peripheral Neuropathy and Microalbuminuria in Coronary Asymptomatic Patients with Diabetes Mellitus Type 2 related with Myocardial Stress Perfusion Abnormalities
217	H. Shacham Suchman A. Aharon V. Kulikov E. E. Sapir	Israel	FDG– PET/CT for Assessment of Abdominal Aortic Infection with and without Graft :Experience in a Single Tertiary Medical Center
218	J. R. Gómez Garibo J. Serna S. Paredes	Mexico	Myocardial Viability: Comparison between Studies Thallium/SPECT and FDG/PET
219	M. Zdraveska Kochovska V. Majstorovi D. Pop Gjorceva et al.	Former Yugoslav Republic of Macedonia	Artefacts in SPECT Myocardial Perfusion
220	H. Le Ngoc. Le M. Ha	Vietnam	Value of Gated SPECT Myocardial Perfusion Imaging with and without Attenuation Correction in Diagnosis of Coronary Artery Disease
221	B. Izić A. Jakubović Čičkušić M. Sulejmanović	Bosnia and Herzegovina	The Value of Tc-99m MIBI SPECT during Nitrate Administration in Assessment of Viable Myocardium in Patients with Dilated Cardiomyopathy
223	I. Garty J. Schurman	Israel	The Use of Atropin in Exercise Myocardial Perfusion Scintigraphy: Can It Improve the Study Diagnosis Accuracy

224	L. O. Cabrera Rodríguez A. Peix K. Padrón R. Carrillo et al.	Cuba	Value of Normal Myocardial Perfusion Images Compared with Non-coronary Stenosis Determined by Coronary Angiographic for One Year Prognosis
225	L. O. Cabrera Rodríguez K. Padrón A. Peix J. A. García et al.	Cuba	Is Mechanical Dyssynchrony Related to Myocardial Viability: Simultaneous Evaluation with Gated-Single Photon Emission Computed Tomography
226	M. A. Pineda Tovar A. Ortega Ramirez J.S. Valencia Sánchez et al.	Mexico	Case Report: Gated Tetrofosmine Myocardial Perfusion Image Showing Ligth Ischemia in Presence of Multi-Vessel CAD
228	M. Makoso Baduka F. Peeters V. Lukanda Mwamba V. Tsimba Tsasa et al.	Democratic Republic of Congo	MRI: Diffusion Tensor Imaging using a Bi-Exponential Model
229	R. J. Cerci M. Zapparoli F. R. Farias S. S. Zier et al.	Brazil	Coronary Computed Tomography Angiography as a Gatekeeper for Invasive Angiography in Patients with Mild Ischemia by SPECT-MPI in a Developing Country
230	K. Miranda Fernandez	Bolivia	Identification of Myocardial Viability Post-Nitrates: an Initial Experience in a Bolivian Center
231	A. C. Jiménez A. Alfaro G. Castro K. Calvo	Costa Rica	False Positive in Myocardial Perfusion SPECT Due to Left Bundle Branch Block Artefact
232	M. Kapitán Otero A. Negrin D. Bia M. Lujambio et al.	Uruguay	Cardiac and Vascular Effects of Chronic Cocaine Abuse in Young Asymptomatic Subjects

234	R. Gutterres A. Oliveira P. Crisóstomo M. Cardona et al.	Brazil	Identification of Cardiac High Risk Female Patient Profile
235	R. Gutterres A. Oliveira P. Crisóstomo M. Cardona et al.	Brazil	Assessment of Attenuation Correction Effects in Image Quality of Myocardial Perfusion Scintigraphies
236	R. Gutterres A. Oliveira N. Monerat M. Cardona et al.	Brazil	Breast Attenuation Impact on Anatomic Functional Correlation of Myocardial Perfusion Scintigraphy and Coronary Angiography
237	F. Mut Bastos E. Besada A. Beltrán A. Panzacchi et al.	Uruguay	Myocardial Viability Studies with PET-FDG Associated with Multislice CT Coronary Angiography: Initial Experience in Uruguay
239	A. N. K. Al-Ibraheem Z. Alrababa	Jordan	Evaluation of Left Ventricle Ejection Fraction in Oncologic Patients; Comparison of Resting Planar Radionuclide Ventriculography and Resting Gated Myocardial Perfusion SPECT Techniques
240	P. Mohan U. Kaul R. Gupta H. Mahajan	India	A Comparative Analysis of Myocardial Perfusion on Gated SPECT Versus Coronary Atherosclerosis and Calcium Score on 64-Slice CT

POSTERS

THURSDAY, 3 OCTOBER 2013

- Member State experience with SPECT, PET, echocardiography, CT and MRI in the management of CVDs
- Use of hybrid imaging or integrated imaging in CVD Management
- Radiopharmaceutical production using cyclotrons and radionuclide generators - including good manufacturing practice and quality assurance aspects - with special reference to imaging agents for CVDs
- Issues of medical physics, instrumentation and image processing and analysis related to CVD imaging
- Quality management, quality control, quality assurance and audits in integrated medical imaging and nuclear medicine practice
- Radiation protection for personnel and dose reduction for patients

Location: Corridor A, B, C: Ground Floor

<i>No of Poster IAEA-CN-202-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
A - Member State experience with SPECT, PET, echocardiography, CT and MRI in the management of CVDs			
241	I. Tahirou I. D. J. Moussa A. Ada I. Djeomboro et al.	Niger	Contribution of Myocardial Perfusion Imaging in Cardiovascular Disease in Countries with Limited Resources
244	E. Slobina N. Maroz- Vadalazhskaya	Belarus	Imaging-based Cancer Patient Management by Using US and MRI in Oncologic Imaging of Cardiovascular System
245	AS. Doğan ME. Erkan M. Aşık A. Yılmaz et al.	Turkey	Metabolic Syndrome Indicates Larger Stress Defect Score on GATED SPECT

<i>No of Poster IAEA-CN-202-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
246	AS. Doğan M. Aşık ME. Erkan A. Yılmaz et al.	Turkey	Relationship between Insulin Resistance and Myocardial Perfusion SPECT Parameters
247	AS. Doğan ME. Erkan M. Aşık A. Sarıtaş et al.	Turkey	Tc-99m Setamibi Detects Carbon Monoxide Poisoning
248	N. Maroz- Vadalazhskaya O. L. Polonetcki E. L. Slobina et al.	Belarus	MRI and Cardiac Ultrasound Utilities in Patients with Acute Myocardial Infarction and No-Reflow Phenomena Early after Invasive Coronary Reperfusion
249	M. Agolti A. Amin, A. Rodriguez	Argentina	Characterization of Patients Identified as High Risk in Gated SPECT Myocardial Perfusion Imaging
250	M. H. G. Baghdadi	Iraq	The Role of CT in Diagnosing Congenital Heart Diseases in Iraq
251	A. S. A. Al-Breesam	Iraqs	The Acute in Hospital Outcomes of PCI in Ibn-Albetar Hospital
252	S. Synefia	Greece	Index of Quantification of Volume Differences in 3D SPECT Stress / Rest Images
256	A. Klaipetch S. Namwongprom T. Kaewchur W. Teeyasoontranon J. Srirattanasak	Thailand	Myocardial Perfusion Abnormality on SPECT MPI and Abdominal Aortic Calcification Detected by DXA
257	S.S. H. Mohamed H. Al Duhli A. K. Maher Ali	Oman	Correlation of Myocardial Perfusion Imaging and Computed Tomography Coronary Angiography for the Assessment of Coronary Arteries Disease: SQUH Experience
259	M. Dereli	Turkey	Conventional Angiography Imaging of Post-traumatic Pseudoaneurysm of the Superficial Femoral Artery

<i>No of Poster IAEA-CN-202-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
260	L. N. Singh M. Tamang R. Shaha Chaudhary	Nepal	Prospect of Cardiac Imaging Necessity in B. P. Koirala Memorial Cancer Hospital
263	C-B. Bui G-C. Chau M. A. H. Nguyen T-S. Vo et al.	Vietnam	Using Non-Invasive Assays To Improve Detection Of Oxidized Low Density Lipoproteins (Ox LDDL) In Atherosclerosis

B - Use of hybrid imaging or integrated imaging in CVD management

128	W. Dong Q. Wang J. Jiao S. Gu et al.	China	Clinical Value of Cardiac Hybrid SPECT/CTA Imaging on Management Strategies in CAD
132	R. A. Rasata	Madagascar	Comparative study by ultrasound and isotopic method for the assessment of left ventricular ejection fraction in Madagascar
135	J. Altamirano Ley G. Estrada	Mexico	Multimodality Imaging for Assessment of Heart Failure Patients in a PET/CT Center: ¹³ N-ammonia, ¹⁸ FDG, Coronary CT Angiography and Calcium Score
139	F. Z. T. Huber, W. E. F. M. Alves, M. J. Santos, E. T. Rocha	Brazil	Radionuclide Ventriculography in the Evaluation of Cardiotoxicity by Chemotherapy
145	A. Morales, Jr. A.F. Samiling	Philippines	Acceptance Testing of a Hybrid Operating Room in the Philippines
162	H. K. A. Mahmoud	Egypt	Automated Diagnosis of Nuclear Cardiac Images Using Advanced Digital Image Processing Techniques
164	S. Haider F. Gillani	Pakistan	Dual energy X-ray Absorptiometry Can Assess Cardiometabolic Risk in Different Body Mass Indices
173	A. S. Pallewatte	Sri Lanka	Evaluation of Integrated Medical Imaging for Congenital Aorto-Cardiac Anomalies in Tertiary Referral Centers in Sri Lanka (with Special Emphasis on Paediatric CT and Radiation Exposure)

<i>No of Poster IAEA-CN-202-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
176	Z. M. Jawa A. Isa S. Lawal	Nigeria	Potential Benefits of Equilibrium Radionuclide Angiography in HIV-related Cardiac Disorders
201	H. Bom H. S. Kim S. G. Cho	ARCCNM	Correlation of Myocardial Blood Flow and Flow Reserve to Anatomical Lesions using Hybrid PET/CT
233	R. Campisi N. Aramayo A. R. Osorio R. J. Geronazzo et al.	Argentina	Relationship between Myocardial Viability and Coronary Anatomy in Patients with Left Ventricular Dysfunction as Assessed by Positron Emission Tomography Integrated to Multidetector Computed Tomography
238	A. S. Naojee	Mauritius	Establishing Nuclear Cardiology Practice with Integrated Imaging in Mauritius and the Difficulties Encountered
243	M.F. Bozkurt E.L. Ergün Ö. Uğur	Turkey	Value of Hybrid Imaging-Based Attenuation Correction in the Diagnostic Work-up of Myocardial Perfusion Scintigraphy
253	N. Ben Rais	Morocco	Perfusion Scintigraphy and Hybrid Imaging in the Diagnosis of Pulmonary Embolism in Pregnancy
254	N. R. Stevenson G. Gonzales J. Simon S. Srivastava et al.	United States	Manufacturing and Integrated Medical Imaging of High Specific Activity [^{117m} Sn]-Annexin in Cardiovascular Disease
261	M. A. A. Abu Saiba	Iraq	Update of Integrated Medical Imaging in Cardiovascular Diseases

D - Radiopharmaceutical production using cyclotrons and radionuclide generators - including good manufacturing practice and quality assurance aspects - with special reference to imaging agents for CVDs

105	A. Malhotra K. Praveen C. D. Patel B. S. Pathania	India	Production & Quality Assurance of ¹³ NH ₃ Ammonia in a Busy PET –CT Centre for Myocardial Viability Studies
-----	---	-------	---

<i>No of Poster IAEA-CN-202-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
181	R. S. Senghor S. Seck-gassama M. Mbodj	Senegal	Challenges in Radiopharmacy in Nuclear Cardiology in Senegal
182	R. S. Senghor L. Dieng M. Diarra S. Seck Gassama	Senegal	Performance of the Ultratechnekow Generator in Nuclear Cardiology in Senegal
242	E. H. Has A. Tanrikut A. N. Yuksel S. Unal et al.	Turkey	TAEA-PAF Produced Radioisotopes and Radiopharmaceuticals for Cardiovascular Diseases

E - Issues of medical physics, instrumentation and image processing and analysis related to CVD imaging

212	P. Orellana Briones R. Jaimovich L. Marine A. Krammer et al.	Chile	Sn117m-DOTA-Annexin as a novel vulnerable plaque tracer. First time in humans trial.
-----	---	-------	--

F - Quality management, quality control, quality assurance and audits in integrated medical imaging and nuclear medicine practice

102	N. Khelassi-Toutaoui A. Merad A. Toutaoui et al.	Algeria	Patient Dose Assessment in Interventional Cardiology Procedures in Algeria
131	N. Ben Rais	Morocco	Improvement of Nuclear Cardiology in Morocco
158	D. H. Salama A. M. Badawi	Egypt	Image Quality and Radiation Dose using Low Tube Kv in ECG Gated 64 Slice CT Coronary Angiography
163	A. Hovhannesyan D. Ohanyan A. Khachatryan	Armenia	Myocardial Quantitative Gated SPECT in Optimization of Device and Patient Selection

<i>No of Poster IAEA-CN-202-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
169	S. Moussouni T. Bassaïde H. Mahmoudi N. Merzougui et al.	Algeria	Pulmonary Embolism: Diagnostic Strategies
193	A. Skopljak- Beganović B. Hanić A. Beganović et al.	Bosnia and Herzegovina	Estimation of Effective Doses for Patients in Interventional Cardiology
197	A. M. Prata Jeronimo A.I. Santos I. Henriksson H. Pereira	Portugal	Appropriate Use Criteria for Cardiac Radionuclide Imaging - Compliance and Relationship to Clinical Impact
206	A. Haeger R. Jaimovich P. Orellana JC. Quintana et al.	Chile	Usefulness of SPECT-CT in Myocardial Perfusion Studies
207	E. Huanca Sardinias M. R. Vásquez Ibáñez A. Zambrana Zelada et al.	Bolivia	Comparison of Ejection Fraction Left Ventricular Obtained by Method Manual and Automatic in the Nuclear Medicine Institute Sucre-Bolivia
208	I. Lawal Y. Onimode B. O. A Osifo	Nigeria	Efficiency of In-Vivo Labeling of RBCs for MUGA Scans at Ibadan, Oyo-State, Nigeria
210	Y. A. Onimode B. O. A. Osifo	Nigeria	Validation of LVEFs from Gated Cardiac Blood Pool Studies at Ibadan
211	Y. Onimode M.D.T. Vangu B.O.A. Osifo	Nigeria	Pattern of Clinician Referral of Patients for Gated Cardiac Blood Pool Studies
222	I. Garty	Israel	The Challenge of Diagnosing Coronary Heart Diseases (CHD) in Women: the Special Role of ECG-Gated SPECT Myocardial Scintigraphy (MS)

<i>No of Poster IAEA-CN-202-</i>	<i>Name</i>	<i>Designating Member State/Organization</i>	<i>Title of Paper</i>
227	S. A. Rogan A. Balenovic	Croatia	18F-FDG Cardiac PET: Good or Bad Patient Preparation for Good Image Quality - How to Know It in Advance
255	U. Vutrapongwatana T. Chaiwatanarat A. Krisanachinda S. Sirisalipoch et al.	Thailand	Quality Management Audit in Nuclear Medicine Practices (QUANUM) Experience at King Chulalongkorn Memorial Hospital
262	A. Doruyter A. Ellmann J. Warwick J. Holness	South Africa	Drafting and Implementing a Procedure Guideline for Investigation of Hibernating Myocardium in a Resource-Constrained Setting

G - Radiation protection for personnel and dose reduction for patients

137	L. Price A. Pascoal	United Kingdom	Radiation Protection for Personnel during Chronic Total Occlusion Recanalization
209	I. Lawal Y. Onimode B. O. A Osifo	Nigeria	<i>Safety and Risk Assessment for Personnel and Patients in In-Vivo Labeling for MUGA Scans at Ibadan, Oyo-State Nigeria</i>