

Program Guide

Program 2004 - 087

Medical Applications and Utilization of Cyclotrons and RIs

October 14 ~ November 3, 2004(21 days)

Seoul, Korea

KOICA Korea International Cooperation Agency
International Cooperation Training Center(ICTC)

KIRAMS Korea Institute of Radiological and Medical Sciences

CONTENTS

PART I. INTRODUCTION	3
1. GENERAL INFORMATION	3
2. BACKGROUND	3
PART II. PROGRAM CONTENTS	5
1. OBJECTIVES AND FRAMEWORK	5
2. PROFESSIONAL COMPONENTS	6
3. SOCIAL & CULTURAL PROGRAM	12
PART III. DETAILED COURSE SCHEDULE	17
PART IV. USEFUL INFORMATION	21
1. PROGRAM SECRETARIATS	21
2. TRAINING INSTITUTE	22
3. PLACES TO BE VISITED	24
4. EMBASSIES IN SEOUL	26
PART V. LIST OF PARTICIPANTS	27

Part I . INTRODUCTION

1. GENERAL INFORMATION

- **Name : Medical Applications and Utilization of Cyclotrons and RIs**
- **Duration : October 14 ~ November 3**
- **Venue : Seoul, Korea**
- **Number of Participants : 15 persons from 9 countries**
Bangladesh 2, China 2, Indonesia 2, Myanmar 1, Pakistan 1,
Philippines 2, Sri Lanka 2, Uruguay 1, Vietnam 2
- **Training Institute : Korea Institute of Radiological and Medical Sciences (KIRAMS)**

2. BACKGROUND

Early detection of diseases is very important not only for early treatment but also for the reduction of social medical costs. Nuclear medicine is making astonishing progress with the development of imaging technologies in recent decades. PET(Positron Emission Tomography) has already emerged as a very important diagnostic tool for staging disease, evaluating the effect of treatments, and long-term follow-up of cancer patients in many countries. It enables

very early detection of the recurrence that can lead the patients to effective treatment. There is no doubt that PET utilization will be one of the major axes for the future development of nuclear medicine. Though clinical PET practice is far from the daily clinical use because of the lack of experts, equipments, and budget in many developing countries, however, it is expected that PET will be more widely introduced to the countries in the near future.

This course is designed to provide medical doctors with chances to gain a general overview on the recent development of nuclear medicine and medical applications of radioisotopes including clinical PET and cyclotron utilization and RI therapy.

Part II . PROGRAM CONTENTS

1. OBJECTIVES & FRAMEWORK

A. Objectives

This course is designed to enable the participants

- to understand the PET and relevant clinical imaging technologies, and to practice in nuclear medicine.
- to learn radioisotope production
- to enhance scientific activities and to encourage research collaboration in the field of nuclear medicine, particularly PET technology.

B. Framework

This course consists of three main parts including Program Orientation, Professional Components and Social & Cultural Program.

The participants will learn general information about the educating organization through Program Orientation, acquire specialized knowledge about nuclear medicine through Professional Components, and experience colorful aspects of Korean life through Social & Cultural Program.

2. PROFESSIONAL COMPONENTS

A. Lectures and Practice

Lectures will be given in various themes of nuclear medicine, and participants are expected to perceive the current trend of nuclear medicine and to obtain the latest information and techniques.

Session 1 : Radioisotope

- Production of PET radioisotope
- QC, GMP
- Primary radioisotope production

Session 2 : PET radiopharmaceutical

- Oncological tracer
- Neurological tracer

Session 3 : Physics

- PET and PET/CT instruments, imaging method
- Nuclear medicine physical research (list mode, micro PET)
- Nuclear medicine physical practice : quantization, CT

Session 4 : PET oncology

- Artifact and normal variant in PET imaging
- PET application in lung cancer

- PET application in head and neck cancer
- PET application in lymphoma, melanoma
- PET application in colorectal cancer
- PET application in esophageal and gastric cancer
- PET application in tumors of pancreas and liver
- PET application in breast cancer
- PET application in gynecologic cancer
- PET application in genitourinary cancer
- PET application in bone and soft tissue sarcoma
- PET application in thyroid cancer
- PET application in rare melanoma and malignancies

Session 5 : PET neurology

- PET imaging in movement, seizure disorder, dementia,
- Mapping, activation study using water PET

Session 6 : Cardiological application of PET

- Assessment of myocardial perfusion and viability by PET

B. Country Report Presentation & Discussion

Each participant is requested to prepare a "Country Report on Nuclear Medicine", which will be presented at a designated session. The format of the Country Report should be either ppt or MS Word in English, and be submitted to Training Coordinator at the International Cooperation Training Center(ICTC). The participants from the same country are recommended to work together in

presenting Country Report. The participants are requested to include the following data in their reports.

Information on nuclear medicine technology management

- Policy of participant's country on nuclear medicine
 - industrial policy, major government support programs, and long-term development plans
- Nuclear medicine items in your country
 - PET and other facilities in nuclear medicine
- Development stage of nuclear medicine
- Possibility of cooperation in nuclear medicine between Korea and participant's country

Self introduction

- Brief introduction of your organization
- Position and duties in your organization
- Expected outcome of this training course

Information regarding the projects you have taken part in

- Introduction to the projects
- Objectives of the projects
- Major achievement

C. Study Visits

Participants will visit two hospitals to perceive the current trend of nuclear medicine in Korea.

- **Seoul National University Hospital(SNUH)**
- **Asan Medical Center(AMC)**

D. Field Trip

Participants are invited to the field trip to Gyeongju and Ulsan. During the field trip, participants will visit traditional places, important industrial sites and companies such as Hyundai Motor Corp. and Hyundai Heavy Industries Co. Ltd.

● **Gyeongju Historic Areas**



Gyeongju City and its surroundings have inherited traces of the glory that flowered and withered in the ancient Silla Kingdom (57 B.C. - A.D. 935). Downtown Gyeongju and its suburbs contain many royal burial mounds and Buddhist remains which preserve the aesthetic zenith of art and culture. The Gyeongju Historic Areas where Mt. Namsan and many cultural properties are located contain a remarkable concentration of outstanding examples of Korean Buddhist art in the form of sculptures, reliefs, pagodas, and the remains of temples and palaces between the 7th and the 10th centuries. Gyeongju is famous for Pulguksa and Sokkuram. Pulguksa Temple was built in the 10th year of King Kyongduk, 751 A.D. by Kim Dae-sung, in memory of his parents. It was restored to its original condition in 1973. Sokkuram Grotto was built in memory of Kim Dae-sung's parents in 751, the 10th year of King Gyeongduk's reign,

completed over a span of thirty years. Both were designated as the UNESCO Cultural Heritage on December 6, 1995.

● POSCO



POSCO has been the most competitive steel company since its establishment in 1968, and keeps growing and evolving as a global company. It produces 26 million tons of steel products each year, enough to produce about 100,000 compact cars a day. With the goal of being the first company to bring changes to the industrial paradigm, POSCO focuses on four goals : Top Quality & World Wide Best Technology, Customer Service Improvement and Optional Growth & Management System Innovation. A commitment focused on R&D investment, cutting-edge research and world-class technical support is why POSCO is the international steel maker supplying developing countries with advanced technology.

● Hyundai Heavy Industries Co., Ltd.



Hyundai Heavy Industries Co., Ltd. was established in 1972. HHI has overcome many hardships and difficulties in becoming one of the world's premier shipbuilding companies. Over the past few decades, HHI has maintained a strong determination to make Korea the "Country of Shipbuilding". HHI has also developed heavy industries which are the basis for

Korea's national economy. Some of these industries include Offshore & Engineering, Engine & Machinery, Electro Electric Systems, Industrial Plant & Engineering and the Construction Equipment business. By making remarkable progress in these areas, HHI developed the national economy and enhanced the status of Korea in the world.

- The World's Largest Shipbuilding Company Listed in the Guinness Book of Records : HHI builds about 60 large-scale ships per year.
- An Integrated Heavy Industries Company that Does Work in Shipbuilding, Engine & Machinery, Industrial Plant, Offshore & Engineering, etc.
- Three Research Institutes Concentrating on Developing State-of-the-Art Technologies : enhanced ships such as high-speed ships, LNG carriers, industrial automation, environmental facilities, and medium-speed engine parts.

● Hyundai Motor Co.



Hyundai Motor Company located in Ulsan was established in December 1967. In the early 1980s, fueled by the rapid economic growth, Hyundai invested in a major expansion of its Ulsan plant, making a major transition from low volume to high volume manufacturing. During the latter 1980s, the company prepared itself for the more intense competition that the 1990s would bring. Hyundai Motor Company endured a difficult year in 1998, as

domestic sales sharply declined. It was also a period of company-wise and industry-wise restructuring. The Kia and Asia Motors acquisition will allow Hyundai Motor to achieve the economies of scale needed to compete in the global market. Now the company has a total of four independent plant facilities equipped with facilities that produce 1.38 million units annually.

3. SOCIAL & CULTURAL PROGRAM

During the 21-day course, various programs beside the academic curriculum are waiting for the participants. Through these programs, participants will have chances to better understand Korean society and culture.

A. KOICA Orientation

In order to provide participants with a better understanding of Korea and its way of life, KOICA conducts a general orientation before the actual workshop in Seoul.

It includes :

- Introduction to Korea & KOICA activities
- General information on daily life in Korea
- Korean language learning
- Lectures on Korean culture, history and economy

B. Seoul City Tour

Participants are invited to visit various cultural sites in Seoul,

both the capital and the heart of the Republic of Korea. Also the financial, political, commercial, recreational, educational and cultural center of Korea, Seoul is home to major corporations, banks, government offices, leading schools & universities, and entertainment facilities. Participants will find a rich and satisfying variety of things to see and do. participants will visit major tourist attractions such as the Gyeongbokgung Palace, Insadong and famous marketplaces. The trip will end with the viewing of famous performing arts. Through this tour of Seoul, participants will experience the true essence of Korean culture and its beauty.

● Gwanghwamun and Kyungbokkung



Seoul is the capital and heart of Korea, a busy city central to Korea's business, economy, culture and education. The main business headquarters as well as the Blue House and government offices are gathered in the city's center, Gwanghwamun('mun' meaning door), but the area is also full of historical and cultural sites. Just behind Gwanghwamun is Kyungbokkung('kung' means palace), the ancient royal palace, and the National Museum of Korea. In the Spring or Fall, when the weather is at its best, you can walk alongside the stone walls of Kyungbokkung and enjoy the peaceful and beautiful view of the surrounding areas. In and around Gwanghwamun, there are art galleries, a library, the Sejong Center for the Performing Arts, information booths for the 2002 FIFA World Cup, the Kyobo Book Store, and other places of interest worth a visit.

◎ **Seoul Tower**

Seoul Tower is located at the top of Namsan (Mountain), and is a great tourist attraction equipped with various entertainment facilities. The Tower offers a spectacular panoramic view of Seoul,



best viewed at night. Other attractions include a Global Folk Village, a 3-D Animation Theater, Fairy Land, an Exhibition Hall, restaurants, and souvenir shops.

◎ **Seoul World Cup Stadium**




- Location : Sangam-dong, Mapo-gu, Seoul
- Capacity : 64,677 seats (football-only stadium)
- Construction began in October 1998 and completed in November 2001

Seoul World Cup Stadium is shaped like a gigantic rectangular shield: the shape of a traditional Korean kite. The kite symbolizes the spirit and culture of Korea as it reflects the intense hope of the Korean people for a successful national unification and world peace as Korea and international community enter into the new millennium. The shape of the kite is also linked to the traditional Korean sailboats "Hwangpo Dotbae" which, harboring in the neighborhood Mapo Ferry at Seoul's major Hangang River, encircle the stadium. The octagonal shaped stadium will be loaded, similar to the octagonal shaped traditional Korean tray, with richness of Korea,

the Korean culture, history and hope. The way an octagonal plate is overlaid with a Korean traditional tray, symbolizes great kindness, care and elegance that will be offered by the host to the international community.

● Special Performance "NANTA"

What's Cookin' 

In order for the audience to understand it easily and quickly, we entitle the performance "COOKIN", which is called "NANTA" in Korea. 'NANTA' means figuratively reckless punching as in a slugfest at a boxing match. Our 'NANTA' is a non-verbal performance of reckless rhythms that dramatize customary Korean percussion in a strikingly comedic stage show. Integrating uniquely Korean traditional tempos with a western performance style, NANTA storms on stage into a huge kitchen where four capricious cooks are preparing a wedding banquet. While COOKIN', they turn all kinds of kitchen items - pots, pans, dishes, knives, chopping board, water bottles, even brooms and each other- into percussion instruments. Rhythm rules and audiences are swept along in the primitive sound explosion and actions on stage. Though the performance is built primarily on captivating rhythms and has very few spoken words, audiences of all ages and nationalities can easily enjoy the plot and dramas. (Non-Verbal Performance is a genre without words but consists of only rhythms and beats)

C. Korean Home Visitation

As an opportunity to experience Korean culture, participants will visit a typical Korean home, and each participant will share an unforgettable experience with the host family, spending several hours in the company of Koreans.

Part III. DETAILED COURSE SCHEDULE

DATE	TIME	SCHEDULE
Oct 14(Thu)		Arrival and Registration
Oct 15(Fri)	09:00 ~ 09:40 09:40 ~ 10:10 10:20 ~ 11:20 11:20 ~ 11:40 11:40 ~ 14:00 14:20 ~ 15:00 15:00 ~ 17:00 17:00 ~ 17:20	KOICA Orientation & Activities Video Presentation on KOICA Welcoming Inception Lecture I : Korean Language Group & Individual Photo Welcoming Luncheon Information on Daily Living in Korea Lecture II : Korean History, Culture & Society Q&A and other Administration Arrangements
Oct 16(Sat)	09:00 ~ 12:00 14:00 ~ 18:00 20:00 ~ 22:00	City Tour in Seoul & Watching Performances Visit Cultural & Historical Sites Visit Market Places & Shopping Centers Watching Folk Performances
Oct 17(Sun)		Free Time
Oct 18(Mon)	10:00 ~ 11:50 12:00 ~ 13:30 13:30 ~ 14:30 14:30 ~ 15:30 15:30 ~ 16:30 16:30 ~ 17:00	Opening ceremony Lunch Course Introduction Pre-course Evaluation KIRAMS Tour Primary Radioisotope Production

DATE	TIME	SCHEDULE
Oct 19(Tue)	09:00 ~ 10:00	Production of PET radioisotopes
	10:00 ~ 11:00	QC, GMP
	11:00 ~ 12:00	PET radiopharmaceutical for fluorinated C-11, perfusion compound(N-13, O-15, Rb-82), brain receptor
	12:00 ~ 13:00	Lunch
	13:00 ~ 14:00	Autosynthesis of PET agents, comparative performance of cyclotron
	14:00 ~ 15:00	PET application in esophageal cancer(Lecture)
	15:00 ~ 16:00	PET application in esophageal cancer(Practice)
	16:00 ~ 17:00	PET application in lung cancer(Lecture)
	17:00 ~ 18:00	PET application in lung cancer(Practice)
	18:00 ~	Dinner hosted by President of KIRAMS
Oct 20(Wed)	08:00 ~ 11:00	Move from Seoul to Daejeon
	11:00 ~ 12:30	Korea Atomic Energy Research Institute(KAERI)
	12:30 ~ 13:30	Lunch
	13:30 ~ 15:00	RCA Regional Office
	15:00 ~ 18:00	Move from Daejeon to Gyeongju
Oct 21(Thu)	09:00 ~ 10:00	Move from Gyeongju to Ulsan
	10:00 ~ 12:00	Hyundai Motors
	12:00 ~ 13:00	Lunch
	13:00 ~ 14:00	Move from Ulsan to Pohang
	14:00 ~ 16:00	POSCO
	16:00 ~ 18:00	Move from Pohang to Gyeongju
Oct 22(Fri)	10:00 ~ 12:00	Tour of Gyeongju
	12:00 ~ 13:00	Lunch
	13:00 ~ 17:00	Move from Gyeongju to Seoul
Oct 23(Sat)~ Oct 24(Sun)		Free Time

DATE	TIME	SCHEDULE
Oct 25(Mon)	09:00 ~ 10:00	Normal PET and PET/CT body scans
	10:00 ~ 11:00	PET application in head and neck cancer
	11:00 ~ 12:00	PET radiopharmaceutical for tumor imaging, regulation
	12:00 ~ 13:30	Lunch
	13:30 ~ 14:30	Country report(1)
	14:30 ~ 16:30	Molecular imaging using sodium iodide symporter
	16:30 ~ 17:30	Special Lecture(1)
Oct 26(Tue)	09:00 ~ 10:00	PET physics(instrument) PET physics(tracer kinetics, micro PET) Special Lecture(2)
	10:00 ~ 11:00	Lunch
	11:00 ~ 12:00	Study visit(AMC)
	12:00 ~ 13:30	- Cyclotron and PET center tour
	14:30 ~ 17:00	- PET application in cardiac imaging - PET experience in AMC
Oct 27(Wed)	10:00 ~ 11:00	Study visit(SNUH) Introduction to WFNMB
	11:00 ~ 12:00	PET application in brain receptor imaging and related topic
	12:00 ~ 13:30	Lunch
	13:30 ~ 14:30	Lunch
	14:30 ~ 15:30	PET experience in SNUH
	15:30 ~ 16:30	PET application in brain research
	16:30 ~ 17:30	Activation study(O-15 PET) Cancer institute, PET center tour
Oct 28(Thu)	09:00 ~ 10:00	PET application in CyberKnife and IMRT
	10:00 ~ 10:30	CyberKnife center tour
	10:30 ~ 12:00	PET related research
	12:00 ~ 13:30	Lunch
	13:30 ~ 16:30	Read with experts
	16:30 ~ 17:30	Country report(2)

DATE	TIME	SCHEDULE
Oct 29(Fri)	09:00 ~ 10:00	PET application in bone and soft tissue tumor
	10:00 ~ 11:00	Country report(3)
	11:00 ~ 12:00	PET application in hepatobiliary cancer
	12:00 ~ 13:30	Lunch
	13:30 ~ 14:30	PET application in brain tumor
	14:30 ~ 15:30	PET related research
	15:30 ~ 16:30	Optical imaging
Oct 30(Sat)~ Oct 31(Sun)		Free Time
Nov 1(Mon)	09:00 ~ 10:00	PET application in colorectal cancer
	10:00 ~ 11:00	PET application in esophageal cancer in breast cancer
	11:00 ~ 12:00	Tour of isolation ward
	12:00 ~ 13:30	Lunch
	13:30 ~ 16:30	Read with experts
	16:30 ~	Home visiting
Nov 2(Tue)	10:00 ~ 11:00	Post-course Evaluation
	11:00 ~ 12:00	Closing Ceremony
	12:00 ~ 13:30	Lunch
	13:30 ~ 14:30	Move from KIRAMS to ICTC
	14:30 ~ 15:30	Departure Orientation
Nov 3(Wed)		Departure

Part IV. USEFUL INFORMATION

1. PROGRAM SECRETARIATS

A. KOICA Resource Persons

Mr. Sang-Tae Kim

Executive Director, Human Resources Cooperation

Tel(Office) : 82-2-740-5108

E-mail : stkim@koica.go.kr

Mr. Jong-Hyok Chung

Director, Training Program Team I

Tel : 82-2-3460-5821

Fax : 82-2-571-4593

E-mail : jhchung@koica.go.kr

Mr. Taek-Keun Lee

Program Officer, Training Program Team I

Tel : 82-2-3460-5823

Fax : 82-2-571-4593

E-mail : tknlee@koica.go.kr

Ms. Jin-Seon Seo

Program Coordinator, Program Supporting Department

Tel : 82-2-3460-3819

Fax : 82-2-3460-6194

E-mail : inepa@koica.go.kr

centers such as Memorial Sloan-Kettering Cancer Center in New York.

Using cyclotrons in research, we were able to produce Korea's first medical radioisotopes. The 13-MeV cyclotron was also developed using our own technology. With the support of Korean government, we are distributing cyclotron technologies to other local medical institutes. Also, we have achieved other significant developments in research such as genetic treatment methods, nuclear imaging technique, anti-cancer immunization boosting medicines, artificial skins and others.

KIRAMS, composed of Korea Cancer Center Hospital, Radiological and Medical Sciences Research Center, and National Radiation Emergency Medical Center, performs research in radiation medicine and cancer care and provides medical services, medical training, and operates the national medical preparedness system for radiation emergencies.

- Research in Radiation Medicine and Cancer Care
 - Development of Cancer Diagnosis and Treatment
 - Evaluation and minimization of radiation impact on the human body
 - Usage of radioisotopes and accelerators
- Medical Services
 - Cancer patient care
 - Cancer diagnosis and prevention in early stage
 - Fundamental and clinical cancer research
 - Medical staff training

- Production and distribution of radioisotopes
 - Production of radioisotopes for diagnosis and treatment
 - Distribution of cyclotron technology to local medical institutes

- Operation of national emergency medical service system
 - Development of radiation exposure treatments
 - Radiation emergency medical service training

3. PLACES TO BE VISITED

● Korea Atomic Energy Research Institute(KAERI)

Since its inception in 1959, KAERI has made rapid growth in research expansion and diversity, new technical development, and strengthened competitiveness in the domestic and international arenas. KAERI puts great emphasis on the development of state-of-the-art technologies for future applications, such as laser technology, artificial intelligence, robotics, new nuclear materials, radiochemistry, radio-environment, and nuclear fusion. Also, KAERI has great interest in developing a nuclear fusion facility and has been actively involved in the international collaboration program.

● Seoul National University Hospital(SNUH)

Seoul National University Hospital(SNUH) has served from the time modern medicine was first introduced to the nation in 1885. Research has focused on the pathophysiology, diagnosis and

treatment of diseases, especially cancer and genetic diseases, in cooperation with various internationally prominent medical centers.

The hospital also engages in collaborative researches with scholars of the basic sciences in the College of Medicine, Dentistry and Pharmacy through the Clinical Research Institute and the Animal Experiment Laboratory.

The hospital has striven to provide a quicker, more organized approach to treatment through special clinics and the on-going construction of the Clinical Research Institute and the Pundang branch hospital. SNUH is working toward the goal of a "disease-free society" and will continue its efforts to become a leading international hospital dedicated to the improvement of health both in Korea and throughout the world.

● **Asan Medical Center(AMC)**

Asan Medical Center(AMC), the principal hospital for seven local hospitals located in rural areas, is a relatively young hospital that was inaugurated in June 23, 1989.

At present, more than 1,000 doctors in thirty-eight departments at the Asan Medical Center provide high quality medical services in their specialized fields.

Recognizing the importance of research, the Asan Institute for Life Sciences, an affiliated research institution of Asan Medical Center, conducts research in numerous areas. AMC performs a leading role in medical and health education by introducing

pre-internship for medical students and nurses.

AMC's effort to create a new patient-oriented hospital was also rewarded when AMC received the first prize for its Corporate Culture from Korean government in 1995. This was the first time the prize was awarded to a medical institution. The Customer Satisfaction Award in the hospital section in 1998, and the Grand Prize for the Customer Satisfaction Award the following year proved the excellence as well as the dedication of the hospital management.

Asan Medical Center's 4,800 employees are dedicated to another goal : to create a world renowned hospital where a new and fresh hospital culture is created and total dedication to patient-care is practiced.

4. EMBASSIES IN SEOUL

Country	Tel.	Fax
Bangladesh	02-796-4056	02-795-6535
China	02-738-1038	02-738-1077
Indonesia	02-783-5675	02-780-4280
Myanmar	02-792-3341	02-796-5570
Pakistan	02-796-8252	02-796-0313
Philippines	02-577-6147	02-574-4286
Sri Lanka	02-735-2966	02-737-9577
Uruguay	02-6245-3180	02-6245-3181
Vietnam	02-738-2318	02-739-2064

Part V . LIST OF PARTICIPANTS

No	Country	Name	Position/Organization
1	Bangladesh	Ms. Zeenat Jabin	Medical Official(Senior Assistant Secretary), Center for Medicine & Ultrasound, Mitford, Bangladesh Atomic Energy Commission(BAEC)
2	Bangladesh	Mr. Abdul AwaL	Medical Official(Senior Assistant Secretary), Center for Medicine & Ultrasound, Bogra, Bangladesh Atomic Energy Commission(BAEC)
3	China	Ms. Geng Jianhua	Associate Professor, Cancer Hospital, Chinese Academy of Medical Sciences
4	China	Ms. Chen Libo	Associate Professor, Peking Union Medical College Hospital, Chinese Academy of Medical Sciences
5	Indonesia	Ms. Andi Tenri Abeng Siswanto	Medical Doctor(Nuclear Medicine) of Cipto Mangunkusumo General Hospital

No	Country	Name	Position/Organization
6	Indonesia	Mr. Benny Zulkarnaien	Medical Doctor(Nuclear Medicine) of Cipto Mangunkusumo General Hospital
7	Myanmar	Mr. Hla Aung	Radiologist, Department of Radiology Mandalay General Hospital Ministry of Health
8	Pakistan	Mr. Ahmad Qureshy	Principal Medical Officer, Pakistan Atomic Energy Commission
9	Philippines	Mr. Marcelino A. Tanquilut	Medical Officer, Nuclear Medicine, Jose R. Reyes Memorial Medical Center
10	Philippines	Ms. Rhodora M. Ledesma	Consultant, Nuclear Medicine, Makati Medical Center
11	Sri Lanka	Mrs. I. N. A. Gunaratne	Medical Officer, Department of Nuclear Medicine Unit and Radiology, Lady Ridgeway Children's Hospital
12	Sri Lanka	Mr. J. M. C. Udugama	Senior Lecturer, Faculty of Medicine, University of Peradeniya

No	Country	Name	Position/Organization
13	Uruguay	Mrs. Graciela Lago	Associate Professor, Nuclear Medicine Center, Faculty of Medicine University of Uruguay
14	Vietnam	Mr. Phan Sy An	Head of Nuclear Medicine Department, Bach Mai Hospital
15	Vietnam	Mr. Bui Vinh Quang	Doctor of Medicine Radio Therapy Department, National Cancer Institute