

2014

2nd of June – 25th of July

TRAINING PROGRAMME ON IMAGE DIAGNOSTICS IN OBSTETRICS AND GYNAECOLOGY



**Department of Radiology
Faculty of Medicine
University of Peradeniya**

“Sharing Knowledge, Improving Practice, Changing Lives”



Organised by,
The Faculty of Medicine, University of Peradeniya
in collaboration with the World Health Organization(WHO)

Conducted by,
The Department of Radiology jointly with
The Department of Obstetrics and Gynaecology,
Faculty of Medicine, University of Peradeniya

2nd of June to 25th of July, 2014

Sri Lanka

Programme Highlights

Inauguration of the Programme

2nd of June, 2014

at the

Faculty Board room

Faculty of Medicine

University of Peradeniya

Programme

Lectures, Hands on sessions and Assessments

3rd of June to 24th of July

Faculty of Medicine

Teaching Hospital Peradeniya

Teaching Hospital Kandy

Sirimavo Bandaranayake Specialized Childrens' Hospital

Awarding of Certificates

24th of July

at the

Faculty Board room

Faculty of Medicine

University of Peradeniya

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Objectives

- to assess the fetal growth and well being
- to diagnose the fetal malformations in first and second trimester of pregnancy
- to detect placental anomalies in the uterus by ultrasonography
- to diagnose the premalignant and malignant tumours of ovaries by using different imaging diagnostics
- to evaluate the specific anomalies of cervix by colposcopy
- to acquire the skills of Doppler sonography, particularly on the uterine and umbilical arteries to detect the utero- placental insufficiency
- to acquire the imaging diagnostic skills including ultrasound, fluoroscopic , CT and MRI on common pelvic pathology



Message from the Vice Chancellor, University of Peradeniya

It gives me great pleasure to issue a message on the occasion of awarding of certificates to the WHO fellows who had participated in the WHO Training Programme on Image Diagnostics in Obstetrics and Gynaecology held from 2nd June – 25th July 2014 at the Faculty of Medicine, University of Peradeniya.

I believe that this Training Course is an enormous advantage to the participants as the programme included lectures, practical sessions and visiting major hospitals in Kandy city. This would help the participants to gain Sri Lankan experience in health sector as well.

I am fully confident that the training of this nature would strengthen the longstanding relationship between two countries and also provide the additional knowledge to the participants, especially for health professionals from Asian countries.

I wish to express my warmest congratulations to the organizers of this valuable Training course to North Korean Doctors and wish them every success in their future endeavours.

Prof. Atula Senaratne
Vice Chancellor
University of Peradeniya



**Message from the
Dean, Faculty of Medicine,
University of Peradeniya**

The Faculty of Medicine of the University of Peradeniya has an excellent record of training health professionals and teaching medicine in the past 50 years. More often than not such training programs are funded and collaborated by international agencies like the WHO. This time the Department of Radiology which is the youngest Department of the Faculty (only being 2 years old) has joined the 'party' by organizing and successfully completing a training programme on imaging for Obstetricians and Gynaecologists from North Korea. The effort of the Department of Radiology has been augmented by Radiologists, Obstetricians and Gynaecologists working in the hospitals in the vicinity of Kandy. The WHO/ SEARO by supporting this programme has showed the confidence it has on the Faculty of Medicine, in this instance particularly on the Department of Radiology.

There are many countries in the world like North Korea which could be assisted by Sri Lanka. I request the WHO and the Kandy/ Peradeniya medical elite to dwell more into this requirement. It is one of our great strengths. I extend my sincere appreciation to all who contributed.

Congratulations and best wishes to all.

Prof. M.D. Lamawansa
Dean
Faculty of Medicine
University of Peradeniya



Message from the Project coordinator

It gives me great pleasure to send a message to the souvenir on the Program of Image Diagnostics in Obstetrics and Gynaecology for North Korean doctors conducted by the Department of Radiology in collaboration with the Department of Gynaecology and Obstetrics of the Faculty of Medicine, University of Peradeniya.

When the WHO local office requested me to launch this program I felt it a big challenge, however the planning and implementation of this program gave me contentment and I'm sure it is due to the strengths I had around me such as the renowned resource persons and the energetic and enthusiastic staff of the Department of Radiology, Peradeniya. Like any other program we experienced a few drawbacks, and in this context the language barrier figured prominently but the eagerness of participants to learn and their enthusiasm ironed out these shortcomings, and this program was conducted smoothly with commendable feedback.

I take this opportunity to thank the Vice Chancellor, University of Peradeniya, Professor Atula Senaratne, the Dean of the Faculty of Medicine, Professor M.D. Lamawansa, the WHO representative in Sri Lanka, Dr Firdosa Rustom Mehta, the resource persons, and the staff of my department for helping me immensely to conduct this program for the optimal satisfaction of participants.

Prof. P. B. Hewavithana

Head

Department of Radiology

Faculty of Medicine

University of Peradeniya

Introduction

The Department of Radiology, Faculty of Medicine, University of Peradeniya was honoured to receive a request from the World Health Organization(WHO) to conduct a training programme on Image Diagnostics in Obstetrics and Gynaecology for North Korean doctors from 2nd of June to 25th of July,2014.

An eight week training programme consisting of lectures, hands on sessions and assessments was developed by the Department of Radiology in collaboration with the Department of Obstetrics and Gynaecology, Faculty of Medicine, University of Peradeniya. This programme was approved by the WHO/SEARO and necessary funds were granted.

Initially the programme was designed for seven Korean doctors, but unfortunately only five doctors were able to participate. Accommodation, transportation and other necessary facilities needed for the trainees were arranged by the staff of the Department to make them comfortable during their eight week stay in Sri Lanka. The programme included lectures on imaging in Obstetrics and Gynaecology and practical sessions on the use of Ultrasound, CT, and MRI as well as on fluoroscopic and interventional techniques under image guidance in Obstetrics and Gynaecology.

Around thirty lectures were conducted at the Faculty of Medicine, University of Peradeniya by senior Consultant Radiologists, Obstetricians and Gynaecologists from major hospitals in Kandy.

The first week consisted of orientation and lectures on introduction to image diagnostics. The trainees were escorted to the Teaching Hospital Peradeniya (THP), Teaching Hospital Kandy (THK), Sirimavo Bandaranayake Specialized Childrens' Hospital Peradeniya (SBSCH) and around the University of

Peradeniya. Academic program was commenced with a series of lectures on the basic principles of Ultrasound, and were conducted by a senior lecturer from the Faculty of Allied Health Sciences.



The WHO Trainees met the Vice Chancellor at his office

(Left to Right) Dr. Ryu Ran, Prof. P.B. Hewavithana (Project coordinator), Prof. M.D. Lamawansa (Dean, Faculty of Medicine), Prof. Athula Senaratne (Vice Chancellor, University of Peradeniya), Dr. Nam Chol Kil, Dr. Song Hui Mun, Dr. Yong Suk Choe, Dr. Ok Gyong Hyon

The preliminary practical sessions were conducted almost every day at THP and SBSCH, for them to achieve skills at the level of observation, on basic ultrasound scanning on obstetric as well as gynaecological patients. Following obtaining basic knowledge on the above, the trainees were supervised to perform basic ultrasound scans on both obstetric and gynaecological patients, allowing them to gain hands on experience. In addition, they were trained on report writing skill and maintaining records of imaging studies. Subsequently, their skills were

assessed on ultrasound scanning using Directly Observed Practical Skills (DOPS) assessment. A pre test was conducted on the very first day of the programme consisting of twenty multiple choice questions (MCQs) of True/False type to assess their existing knowledge on Image diagnostics of Obstetrics and Gynaecology. According to its results, necessary modifications were done to the study programme to meet their requirements. Furthermore, at the end of the training programme a post test was held to measure their progress on the subject. Based on their results, four panel discussions were arranged by the senior consultants to discuss their areas of deficiencies. Also, a few lectures were conducted upon their request during the round up session.

During their stay the Korean doctors were accompanied on sightseeing to places of cultural, historical importance and popular destinations of Sri Lanka including places in the central province as well as in Colombo on weekends. They found those outings entertaining and relaxing.



Trainees at the Galle Face, Colombo



In front of the Kandy Lake with Prof. P.B. Hewavithana (Project coordinator)

Throughout this programme, only a few challenges were experienced. Firstly, the language barrier made it difficult for the trainees to communicate. Secondly, they found it difficult to adapt to local food and the climate. However, these difficulties were successfully dealt with by maintaining good interpersonal relationships of the Korean doctors as well the supportive staff of the Department of Radiology, Faculty of Medicine.

Commencement of the Programme

2nd of June, 2014

9.00 am	Welcome Address Prof. P.B. Hewavithana Project coordinator
9.10 am	Address by the Acting Dean, Faculty of Medicine Dr. R.M. Mudiyanse
9.20 am	Introduction to the programme Dr. S. Rosairo Senior Lecturer, Department of Radiology Faculty of Medicine, University of Peradeniya
9.25 am	Self introduction by WHO trainees
9.50am	Vote of Thanks Dr. R.M. Mudiyanse Acting Dean, Faculty of Medicine
10.00am	Tea Break

Panel of Resource Personnel

Prof. Badra Hewavithana (MBBS, MD) Project coordinator Head, Department of Radiology Faculty of Medicine, University of Peradeniya		Dr. Shanthini Rosairo (MBBS, MD) Senior Lecturer, Department of Radiology, Faculty of Medicine, University of Peradeniya	
Dr. K. Pussepitiya (MBBS, MD) Consultant Radiologist, Teaching Hospital, Peradeniya		Dr. C. Ratnayake (MBBS, MS, FRCOG) Senior Lecturer Department Gynaecology and Obstetrics Faculty of Medicine, University of Peradeniya	
Dr. C. Kandauda (MBBS, MS, FRCOG) Senior Lecturer Department Gynaecology and Obstetrics Faculty of Medicine, University of Peradeniya		Dr. M. Jayawardana (MBBS, MS, FRCOG) Senior Lecturer, Department Gynaecology and Obstetrics, Faculty of Medicine, University of Peradeniya	
Dr. Sardha Hemapriya (MBBS, MS, FRCOG) Senior Consultant Gynaecologist and Obstetrician, General Hospital(Teaching), Kandy		Dr. Sunethra Irugalbandara (MBBS, MD, Medicine (Cardiology)) Consultant Paediatric Cardiologist, Sirimavo Bandaranayake Specialized Childrens Hospital, Peradeniya	
Dr. Sunil Kulatunga (BSc, PhD) Senior Lecturer, Department of Radiography and Radiotherapy, Faculty of Allied Health Sciences, University of Peradeniya		Dr. N. Herath (MBBS, MD) Consultant Radiologist, Sirimavo Bandaranayake Specialized Childrens Hospital, Peradeniya	
Dr. P. Wijesinghe (MBBS, MD) Consultant Radiologist, Sirimavo Bandaranayake Specialized Childrens Hospital, Peradeniya		Dr. S. Walgampaya (MBBS, MD) Senior Registrar Department of Radiology Teaching Hospital, Kandy	

WHO Training Programme on Image Diagnostics in Obstetrics and Gynaecology

Lectures

Section 1- Imaging in Obstetrics and Gynaecology (No. of hours- 34 hrs)

No.	Lecture	Lecturer	No. of hours
Obstetrics(15 hrs)			
1	Introduction to Imaging in Obstetrics	SR	1h
2	Foetal growth assessment(Dating)	SR	2h
3	Miscarriages/Ectopic pregnancy	SR	1h
4	Imaging in Twin pregnancy	SR	1h
5	1 st trimester Ultrasound	BH	2h
6	Foetal wellbeing	BH	1h
7	Doppler Ultrasound	BH	1h
8	Foetal anomalies	KP	1h
9	Ultrasound of Placenta	SW	2h
10	Ultrasound in Obstetrics, Featuring cardiac ultrasound	SI	1h
11	MRI in Obstetrics	PW	2h
Gynaecology(19 hrs)			
1	Introduction to Imaging in Gynaecology	BH	1h
2	Fibroids	BH	2h
3	Adenomyosis and Endometriosis	BH	2h
4	Hysterosalpingography and Hysterosonography	BH	2h
5	Imaging in Gestational trophoblastic disease	BH	2h
6	Imaging in Gynaecological malignancies	SR	2h
7	Imaging in Subfertility	SR	2h

8	Cystic lesions of pelvis	KP	2h
9	CT and MRI in Gynaecology	PW	2h
10	Imaging in Benign ovarian pathology	NH	2h

Section 2- Obstetrics and Gynaecology (No. of hours- 12 hrs)

No.	Lecture	Lecturer	No. of hours
Obstetrics (6 hrs)			
1	Application of Ultrasound in Obstetrics, an overview	CR	2h
2	IUGR and Doppler Ultrasonography in Obstetrics	CR	2h
3	Twin Pregnancy What is expected on Imaging?	MJ	2h
Gynecology (6 hrs)			
1	Application of Ultrasound in Gynaecology, an overview	MJ	2h
2	Subfertility	CR	2h
3	Colposcopy	SH	2h

Section 3- Physics of Ultrasound (No. of hours- 4 hrs)

No.	Lecture	Lecturer	No. of hours
1	Physics of ultrasound including Doppler	SK	4h

Lecturers

Prof. Badra Hewavithana
Dr. Shanthini Rosairo
Dr. Kumari Pussepitiya
Dr. Chathura Ratnayake
Dr. Madura Jayawardana
Dr. Sardha Hemapriya

BH Dr. Sunil Kulatunga
SR Dr. Sunethra Irulgalbandara
KP Dr.P.Wijesinghe
CR Dr. N.Herath
MJ Dr.S.Walgampaya
SH

SK
SI
PW
NH
SW

Practical Sessions

Section 1- Imaging in Obstetrics (No. of hours- 31 hrs)		
Name of the Supervisor		Total No of hours
1.	Prof. P.B.Hewavithana	5 hrs
2.	Dr. S.Rosairo	3 hrs
3.	Dr. K.Pussepetiya	5 hrs
4.	Dr. C.Rathnayake	9 hrs
5.	Dr. M.Jayawardana	3 hrs
6.	Dr. S.Irugalandara	5 hrs
7.	Dr. S.Rathnayake	1 hr

Section 2- Imaging in Gynaecology (No. of hours- 25 hrs)		
Name of the Supervisor		Total No of hours
1.	Prof. P.B.Hewavithana	8 hrs
2.	Dr. S.Rosairo	4 hrs
3.	Dr. K.Pussepetiya	7 hrs
4.	Dr. C.Kandauda	3 hrs
5.	Dr. S.Hemapriya	3 hrs

Award of Certificates

24th of July, 2014

9.00 am	Welcome Address Prof. P.B. Hewavithana Project coordinator
9.10 am	Address by the Dean, Faculty of Medicine Prof. M.D. Lamawansa
9.20 am	Feedback on the Training programme Dr. Mun Song Hui
9.35 am	Address by the Vice Chancellor, University of Peradeniya Prof. Atula Senaratne
9.45am	Awarding of certificates
10.00am	Vote of Thanks Dr. S. Rosairo Senior Lecturer, Department of Radiology Faculty of Medicine, University of Peradeniya
10.10am	Tea Break
10.30am	Presentation on “Korean Peninsula” Dr. Kil Nam Chol
11.00am	Cultural show Dr. Ryu Ran Dr. Choe Yong Suk Dr. Hyon Ok Gyong
11.30am	Lunch Senior common room Faculty of Medicine University of Peradeniya

Acknowledgement

- Dr. Firdosi Rustom Mehta, WHO representative to Sri Lanka
- Prof. Atula Senaratne, Vice Chancellor, University of Peradeniya
- Prof. M.D. Lamawansa, Dean, Faculty of Medicine, University of Peradeniya
- Directors of,
 - Teaching Hospital, Peradeniya
 - Sirimavo Bandaranayake Specialized Children's Hospital
 - Teaching Hospital, Kandy
- Resource persons
- Staff members,
 - Department of Radiology
 - Department of Obstetrics and Gynaecology
- Accounts unit, Faculty of Medicine, University of Peradeniya
- Hospital staff and patients

Participants of the WHO Training Programme

<p>Dr. Nam Chol Kil Chief, Obstetrics Department, Pyongyang Maternity Hospital, Pyongyang City</p>	
<p>Dr. Song Hui Mun Doctor, Gynaecological Department, Pyongyang Maternity Hospital, Pyongyang City</p>	
<p>Dr. Ryu Ran Doctor, Obstetrics Department, Pyongyang Maternity Hospital, Pyongyang City</p>	
<p>Dr. Ok Gyong Hyon Doctor, OBG Department, Ryokpo District Hospital Pyongyang City</p>	
<p>Dr. Yong Suk Choe Doctor, OBG Department Pyongyang city People's Hospital No 1 Pyongyang City</p>	

Staff of the Department of Radiology with the participants of the Who Training programme

2nd of June to 25th of July 2014



Seated(left to right)-

Dr. Kil Nam Chol, Dr. S. Rosairo, Prof. P.B.Hewavithana(Project Coordinator), Dr. Yong Suk Choe

Standing(left to right)-

Dr. FFHassen, Dr. S.T.Goonasekera, Ms. G.B.Hettiarachchi, Dr. Ryu Ran, Mr. E.M.M.P.B. Ekanayake, Dr. Song Hui Mun, Dr. Ok Gyong Hyon, Ms. K.M.Chandrawathie, Ms. K.G.Sandya Kumari

Annexure 1-Programme in Detail

1st week- Orientation and Introduction to Imaging in Obstetrics and Gynaecology

Time & Venue	Monday 02.06.2014	Tuesday 03.06.2014	Wednesday 04.06.2014	Thursday 05.06.2014	Friday 06.06.2014
9.00am-10.30am	Welcome and Introduction to the programme	Lecture Physics of Ultrasound including Doppler 1 Dr. SK	Lecture Application of Ultrasound in Obstetrics, an overview Dr. CR	Visit to meet the VC	Lecture Foetal growth assessment(Dating) Dr. SR
Venue	Faculty Board Room	Physiology lecture theatre.	MEU Auditorium		MEU Auditorium
10.30am-11.00am	TEA BREAK				
11.00am-12.00am	Orientation	Lecture Physics of Ultrasound including Doppler Dr. SK-2	Lecture Introduction to Imaging in Obstetrics Dr. SR	Lecture Introduction to Imaging in Gynaecology Prof. BH	Lecture Physics of Ultrasound including Doppler Dr. SK-3
Venue		Physiology lecture theatre	MEU Auditorium	MEU Auditorium	MEU Auditorium
12.00pm-1.00pm	LUNCH BREAK				
1.00pm-2.00pm	Pre test (20 questions)	Self Learning	Visit to THP	Self Learning	Visit to GHK
2.00pm-4.00pm	Panel Discussion	Self Learning	Self Learning	Self Learning	Self Learning

2nd week- Imaging in Obstetrics 1

Time	Monday 09.06.2014	Tuesday 10.06.2014	Wednesday 11.06.2014	Thursday 12.06.2014	Friday 13.06.2014
9.00am-10.30am	Lecture 1 st trimester Ultrasound Prof. BH	Lecture Application of Ultrasound in Gynaecology, an overview Dr. MJ	Lecture Ultrasound of Placenta Dr. SW		Lecture IUGR and Doppler Ultrasonography in Obstetrics Dr.CR
Venue	MEU Auditorium	Ultrasound Room-Ward 10, THP	MEU Auditorium		MEU Auditorium
10.30am-11.00am	TEA BREAK				TEA BREAK
11.00am-12.00pm	Lecture Miscarriages/Ectopic pregnancy Dr.SR	Practical session Observation of Imaging in Obstetrics Prof.BH	Practical session Observation of Imaging in Obstetrics Dr. MJ	Public Holiday	Practical session Observation of Imaging in Obstetrics Dr.KP
Venue	MEU Auditorium	Room 02, Department of Radiology, THP (Candidate Nos 1-5)			Room 02, Department of Radiology, THP(Candidate Nos 1-5)
12.00pm-1.00pm	LUNCH BREAK				LUNCH BREAK
1.00pm-2.00pm	Self Learning	Practical session Observation of Imaging in Obstetrics Dr.CR	Practical session Observation of Imaging in Obstetrics Dr.CR		Lecture Foetal anomalies Dr.KP
2.00pm-4.00pm					Self Learning
Venue		Obstetric Clinic, THP (Candidate Nos 1-5)			MEU Auditorium

3rd week - Imaging in Obstetrics 2

Time	Monday 16.06.2014	Tuesday 17.06.2014	Wednesday 18.06.2014	Thursday 19.06.2014	Friday 20.06.2014
9:00am-10:30am	Self Learning	Lecture Ultrasound in Obstetrics, Featuring cardiac ultrasound Dr.SI	Practical session Ultrasound in Obstetrics ,featuring cardiac ultrasound(Observation) Dr.SI		
Venue	MEU Auditorium	Cardiology Clinic-SBSCH			
10.30am-11.00am	TEA BREAK				
11.00am-12.00pm	Practical session Ultrasound in Obstetrics (hands on experience under supervision) Dr.KP	Practical session Ultrasound in Obstetrics (hands on experience under supervision) Dr.SR	Lecture Foetal wellbeing Prof. BH	Lecture Twin Pregnancy What is expected on Imaging? Dr.MJ	Lecture Imaging in Twin pregnancy Dr. SR
Venue	Obstetric clinic(Candidate Nos 1-3)/ Dept. of Radiology (Candidate Nos 4-5)			Ultrasound Room- Ward 10,THP	MEU Auditorium
12.00pm-1.00pm	LUNCH BREAK				
1.00pm-2.00pm	Self Learning	Practical session Ultrasound in Obstetrics (hands on experience under supervision) Dr.CR	Practical session Ultrasound in Obstetrics (hands on experience under supervision) Dr.CR	Practical session Ultrasound in Obstetrics (hands on experience under supervision) Prof.BH	Practical session Ultrasound in Obstetrics (hands on experience under supervision) Dr.MJ
2.00pm-4.00pm	Lecture Foetal anomalies Dr.KP				
Venue	MEU Auditorium	Ward 10, THP(Candidate Nos 4-5)/ Dept. of Radiology (Candidate No's 1-3)			

4th week - Imaging in Gynaecology 1

Time	Monday 23.06.2014	Tuesday 24.06.2014	Wednesday 25.06.2014	Thursday 26.06.2014	Friday 27.06.2014
9:00am-10:30am	Lecture Foetal wellbeing Prof. BH	Lecture Cystic lesions of pelvis Dr.KP	Self Learning	Lecture MRI in Obstetrics Dr.PW	Lecture Subfertility Dr.CR
Venue	MEU Auditorium	MEU Auditorium		MEU Auditorium	MEU Auditorium
10.30am-11.00am	TEA BREAK				
11.00am-12.00pm	Practical session Observation of Imaging in Gynaecology Dr.KP	Lecture Imaging in twin pregnancy Dr.SR	Practical session Observation of Imaging in Gynaecology Dr.CK	Lecture Imaging in Fibroids Prof.BH	Practical session Observation of Imaging in Gynaecology Dr.SR
Venue	Room 2,Department of Radiology, THP(Candidate No's 1-5)				
12.00pm-1.00pm	LUNCH BREAK				
1.00pm-4.00pm	Self Learning	Formative assessment- DOPS(Directly observed practical skills) on Ultrasound-Obstetrics	Self Learning	Formative assessment- DOPS(Directly observed practical skills) on Ultrasound-Obstetrics	Formative assessment- DOPS(Directly observed practical skills) on Ultrasound-Obstetrics
		Candidate No 1 Candidate No 3,4,5- Self Learning Dr.KP		Candidate No 2,3 Candidate No 1,2,3,5- Self Learning Dr.SR	Candidate No 4, 5 Candidate No 1,2,3,4- Self Learning Prof.BH
Venue		Room 02, Department of Radiology-THP			

5th week - Imaging in Gynaecology 2

Time	Monday 30.06.2014	Tuesday 01.07.2014	Wednesday 02.07.2014	Thursday 03.07.2014	Friday 04.07.2014
9:00am-10:30am	Self Learning	Practical session Ultrasound in Gynaecology (hands on experience under supervision) Dr.KP	Practical session Ultrasound in Gynaecology (hands on experience under supervision) Dr.CK	Lecture Adenomyosis and Endometriosis Prof.BH	Practical session Ultrasound in Gynaecology (hands on experience under supervision) Prof.BH
Venue	MEU Auditorium	Room 2,Dept. of Radiology,THP (Candidate No's 1-5)			
10.30am-11.00am	TEA BREAK				
11.00am-12.00pm	Practical session Ultrasound in Gynaecology (hands on experience under supervision) Prof.BH	Practical session Ultrasound in Gynaecology (hands on experience under supervision) Dr.KP	Practical session Ultrasound in Gynaecology (hands on experience under supervision) Dr.CK	Practical session Ultrasound in Gynaecology (hands on experience under supervision) Dr.SR	Practical session Ultrasound in Gynaecology (hands on experience under supervision) Prof.BH
Venue	Room2, Dept. of Radiology,THP (Candidate No's 1-5)				
12.00pm-1.00pm	LUNCH BREAK				
1.00pm-2.00pm	Self Learning	Visit to meet Dr.SH	Lecture Colposcopy Dr.SH	Self Learning	
2.00pm-4.00pm					
Venue	Ward 6, THK (Candidate No's 1-5)				

6th week-Imaging in Gynaecology 3

Time	Monday 07.07.2014	Tuesday 08.07.2014	Wednesday 09.07.2014	Thursday 10.07.2014	Friday 11.07.2014
9:00am-10:30am	Lecture CT and MRI in Gynaecology Dr.PW	Self Learning	Preparation of the Journal Presentation (Self Learning)	Interactive session – OSPE Congenital Foetal Anomalies-2 DR KP	Official visit to WHO Office, Colombo
Venue	East Lecture Theatre			Psychiatry Seminar Room	
10.30am-11.00am	TEA BREAK				
11.00am-12.00pm	Practical session Ultrasound in Gynaecology (hands on experience) (Self Learning)	Practical session Ultrasound in Gynaecology (hands on experience under supervision) Prof.BH	Preparation of the Journal Presentation (Self Learning)	Preparation of the Journal Presentation (Self Learning)	
Venue	Room2-Department of Radiology,THP Candidate Nos 1-5				
12.00pm-1.00pm	LUNCH BREAK				
1.00pm-4.00pm	Formative assessment- DOPS(Directly observed practical skills) on ultrasound- Gynaecology Candidate No 1-2 Prof.BH Candidate No 3,4,5-self learning	Formative assessment- DOPS(Directly observed practical skills) on Ultrasound Gynaecology Candidate No 3-4 Dr.SR Candidate No 3,4,5-self learning	Practical session Ultrasound in Gynaecology (hands on experience) (Self Learning)	Formative assessment DOPS(Directly observed practical skills) on ultrasound Gynaecology Candidate No 5 Dr.KP Candidate No1,2 3,4-self learning	
Venue	Room2-Department of Radiology,THP				

7th week -Imaging in Obstetrics and Gynaecology

Time	Monday 14.07.2014	Tuesday 15.07.2014	Wednesday 16.07.2014	Thursday 17.07.2014	Friday 18.07.2014
9:00am-10:30am	Practical session Uterine Artery Embolization Prof.BH	Practical session Colposcopy Dr.SH	Lecture Imaging in Subfertility Dr.SR	Lecture Hysterosonography and Hysterosalpingography Prof.BH	Lecture Imaging in Benign ovarian pathology Dr.NH
Venue			MEU Auditorium		MEU Auditorium
10.30am-11.00am			TEA BREAK		
11.00am-12.00pm			Preparation of the Journal Presentation (Self Learning)	Practical session Ultrasound in Obstetrics and Gynaecology (hands on experience under supervision) Dr.CK	Journal Presentation Bio Physical Profile
Venue			Room 7, Dept. of Radiology,THP (Candidate Nos1-5)	Theatre C,THK	MEU Auditorium
12.00pm-1.00pm	LUNCH BREAK				
1.00pm-3.00pm	Self Learning	Self Learning	Practical session Ultrasound in Obstetrics and Gynaecology (hands on experience under supervision) Dr.SR	Lecture Interventions in Obstetrics-Amniocentesis Dr.KN	Lecture Imaging in Gestational trophoblastic disease Prof. BH
3.00pm-4.00pm	Lecture Imaging in Gynaecological malignancies Dr. SR	Lecture Doppler Ultrasound Prof.BH		Preparation of the Journal Presentation (Self Learning)	Practical session Doppler Ultrasound Prof.BH
Venue	MEU Auditorium	MEU Auditorium	Room 2, Dept. of Radiology,THP (Candidate Nos 1-5)	MEU Auditorium	Room 2, Dept. of Radiology,THP (Candidate Nos 1-5)

8th week – Round up sessions

Time	Monday 21.07.2014	Tuesday 22.07.2014	Wednesday 23.07.2014	Thursday 24.07.2014	Friday 25.07.2014
9:00am-10:30am	Self Learning	Panel Discussion -1 Prof.BH	Practical session Ultrasound in Obstetrics and Gynaecology (hands on experience)	Award of Certificates	
Venue		MEU Auditorium	Room 2, Dept. of Radiology		
10.30am-11.00am	Post Test (20 MCQs)	TEA BREAK			
11.00am-12.00pm		Practical session Ultrasound in Obstetrics and Gynaecology (hands on experience)	Practical session Ultrasound in Obstetrics and Gynaecology (hands on experience)		
Venue		Room 2, Dept. of Radiology (Candidate No's 1-5)			
12.00pm-1.00pm	LUNCH BREAK				
1.00pm-2.00pm	Self Learning	Self Learning	Practical session Ultrasound in Obstetrics and Gynaecology (hands on experience)	Practical session Ultrasound in Obstetrics and Gynaecology (hands on experience)	
2.00pm-4.00pm		Panel Discussion -2 Dr.SR			
Venue		MEU Auditorium	Room 2, Dept. of Radiology (Candidate No's 1-5)		

Annexure 2- Feedback

WHO TRAINING PROGRAMME ON IMAGE DIAGNOSTICS IN OBSTETRICS AND GYNAECOLOGY FACULTY OF MEDICINE, UNIVERSITY OF PERADENTYA

Feedback on Lectures –

Lecture	
Lecturer	

Instructions to respondents

Please read each statement carefully. Indicate your view by **circling** the relevant number in front of each statement. You may please use the adjacent box to provide reasons if your response is 1, 2 or 3.

The numbers after the statements have the following meanings.

- 1=disagree entirely
- 2=disagree for the most part
- 3=undecided/do not know/not relevant
- 4=agree for the most part
- 5=agree entirely

		Reasons
Objectives of the lecture were clearly stated	1 2 3 4 5	
The lecture was designed in such a way to achieve the stated objectives	1 2 3 4 5	
Lecture was well organized and was easy to follow	1 2 3 4 5	
Lecturer spoke clearly and was well heard	1 2 3 4 5	
Visual material was carefully selected	1 2 3 4 5	
Visual material was easy to read and understand	1 2 3 4 5	
Showed good knowledge of the subject matter	1 2 3 4 5	
Explained the subject matter clearly	1 2 3 4 5	
Maintained eye contact with audience	1 2 3 4 5	
Emphasized key points	1 2 3 4 5	
Was able to capture and hold learner's interest	1 2 3 4 5	

Any other comments -

.....

.....

.....

.....

Date-

**Feedback Form for the Training Programme on Image Diagnostics in Obstetrics
and Gynaecology
Faculty of Medicine, University of Peradeniya**

A. As regard to the programme design, how would you rate the following:

Instructions to respondents

Please read each statement carefully. Indicate your view by circling the relevant number in front of each statement. You may please use the adjacent box to provide reasons if your response is 1, 2 or 3.

The numbers after the statements have the following meanings.

- 1=disagree entirely
- 2=disagree for the most part
- 3=undecided/do not know/not relevant
- 4=agree for the most part
- 5=agree entirely

		Reasons
The objectives of the training programme were clearly defined	1 2 3 4 5	
Participation and interaction were encouraged.	1 2 3 4 5	
The topics covered were relevant.	1 2 3 4 5	
The content was organized and easy to follow.	1 2 3 4 5	
The materials distributed were helpful.	1 2 3 4 5	
This training programme will be useful in my work.	1 2 3 4 5	
The lecturers were knowledgeable about the training topics.	1 2 3 4 5	
The lecturer was well prepared.	1 2 3 4 5	
The training objectives were met.	1 2 3 4 5	
The time allocated for the training was sufficient.	1 2 3 4 5	
The lecture rooms and facilities were adequate and comfortable	1 2 3 4 5	

- i. What did you gain from the training programme? State the strengths and weaknesses.
.....
.....
- ii. Do you have any suggestion(s) regarding the course design and the conduct of the programme?
.....
.....
- iii. Give your suggestions to improve the overall effectiveness of the programme.
.....
.....

Instructions to respondents

Please read each statement carefully. Indicate your view by ticking (✓) the relevant box in front of each statement.

B. How did the following teaching methods used in the programme help you to achieve your objectives?

Method	Not used	Fair	Good	Very Good	Excellent
Lectures					
Practical sessions					
Group discussions/experience sharing					
Panel discussions					
Student Presentations					
Assessments					
Any other methods (please specify)					

C. To what extent do you think you will use your training experience and ideas gathered during the course when you restart working in your country?

Not at all	
Somewhat	
To a significant extent	
To a great extent	

D. How do you evaluate your overall experience of training during the programme?

Not worthwhile	
Fair	
Valuable	
Highly valuable	

E. How do you rate the following administrative aspects of the programme?

	Fair	Good	Very Good	Excellent
Passport and visa issues				
Per diem allowances				
Food and Lodging				
Classroom facilities				
Medical facilities				

F. Any other comments/suggestions you may wish to make:

.....
.....
.....

Date- .../.../.....

Page 2 of 2

Annexure 3- DOPS Assessment form

Direct Observation of Procedural Skills (DOPS) Assessment form

Ultrasound in Gynaecology

Date of Assessment (DD/MM/YY)

/ /

Name of the Candidate-

Name of the Examiner-

Number of times this procedure previously performed by candidate: ☐ 0 ☐ 1-4 ☐ 5-10 ☐ >10

	Well below expectation for stage of training	Below expectation for stage of training	Borderline for stage of training	Meets expectation for stage of training	Above expectation for stage of training	Well above expectation for stage of training	Unable to comment*
1. Demonstrates understanding of Indications, relevant anatomy and technique	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Explains procedure/risks to patient, obtains/confirm informed consent where appropriate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Usage of equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Technical ability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Seeks help if appropriate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Communication with patients/staff	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Quality of diagnostic images	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Judgement/insight	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Quality of report of procedure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. OVERALL COMPETENCE							
<input type="checkbox"/>	Trainee requires additional support and supervision			Demonstrates basic radiological procedural skills resulting in incomplete examination findings. Shows limited clinical judgement following encounter			
<input type="checkbox"/>	Trainee requires direct supervision (performed at level expected during training)			Demonstrates sound radiological procedural skills resulting in adequate examination findings. Shows basic clinical judgement following encounter			
<input type="checkbox"/>	Trainee requires minimal/indirect supervision (performed at the level expected on completion of training)			Demonstrates good radiological procedural skills resulting in sound examination findings. Shows good clinical judgement following encounter			
<input type="checkbox"/>	Trainee requires very little/no senior input and able to practise independently (performed at level expected during Higher Training)			Demonstrates excellent and timely radiological procedural skills resulting in a comprehensive examination. Shows good clinical judgement following encounter			

*Unable to comment – Please mark this if you have not observed the behaviour and feel unable to comment.

Examiner's comments – state areas of good practice and areas for development

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Candidate's Signature

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Examiner's Signature

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