



**International Atomic Energy Agency
Department of Technical Cooperation**

And

**Nuclear Medicine and Diagnostic Imaging Section
Division of Human Health**

**WS-RAS6091-EVT1900155
End-of-mission Report**

IAEA Scientific Visit on SPECT application in the era of PET (epilepsy, dementia, Parkinson) and PET in neurology FDG and beyond

July 22 – July 26, 2019

National Center of Neurology and Psychiatry, Tokyo, Japan

Local Course Director

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Participants

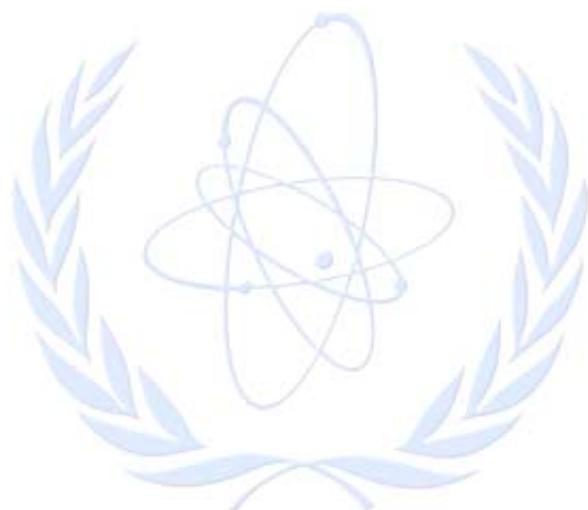
Batool ESSA GHULAM ABDULLA ALBALOOSHI UAE

Pallewatte Aruna Sli Lanka

Suppiah Subapriya Malaysia

Tanyaluck THIENTUNYAKIT Thailand

Lin Yansong China



IAEA

PROGRAM

Monday, 22 July 2019

Small conference room (Library and Conference Center 1F, NCNP)

SESSION 1 (Opening and Facility tour)

09:30-9:50	Registration	
9:50-10:30	Opening remarks Self-Introduction	Prof. Hiroshi Matsuda (Course Director)
10:30-12:00	Demonstration of image analysis software ILO: Understand the basic concepts of image analysis software and how to use it for brain perfusion SPECT analysis	Prof. Hiroshi Matsuda (IBIC,NCNP)
12:00-13:30	Lunch Break	
13:30-15:00	Facility tour ILO: Look around National Center of Neurology and Psychiatry and visit to department of Radiology, National Center Hospital of Neurology and Psychiatry	Prof. Hiroshi Matsuda (IBIC,NCNP)

End of SESSION 1

16:00- Excursion and Dinner

(Venue: Asakusa, Tokyo)

Tuesday, 23 July 2019

**Small conference room (Library and Conference Center 1F, NCNP)
and Department of Radiology (National Center Hospital, NCNP)**

SESSION 2 (Dementia)

09:00-12:00	How to interpret brain perfusion SPECT in dementia ILO: 1. Understand the characteristic pattern of brain perfusion SPECT in dementia 2. Getting used to using eZIS software 3. Discuss the quiz cases	Prof. Hiroshi Matsuda (IBIC,NCNP)
12:00-13:30	Lunch Break	
13:30-16:30	How to interpret MRI and brain perfusion SPECT in dementia ILO: 1. Understand the characteristic pattern of MRI and brain perfusion SPECT in dementia 2. Discuss the quiz cases	Dr. Noriko Sato (Department of Radiology, NCNP)

End of SESSION 2

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Wednesday, 24 July 2019

**Small conference room (Library and Conference Center 1F, NCNP)
and Department of Radiology (National Center Hospital, NCNP)**

SESSION 3 (Epilepsy)

09:00-12:00	How to interpret brain perfusion SPECT and FDG PET in epilepsy ILO: 1. Understand the characteristic pattern of brain perfusion SPECT and FDG-PET in epilepsy 2. Getting used to using eZIS and SISCOM software 3. Discuss the quiz cases	Prof. Hiroshi Matsuda (IBIC,NCNP) Dr. Emiko Morimoto (Department of Radiology, NCNP)
12:00-13:30	Lunch Break	
13:30-16:30	How to interpret MRI, brain perfusion SPECT and FDG PET in epilepsy ILO: 1. Understand the characteristic pattern of MRI, brain perfusion SPECT and FDG-PET in epilepsy 2. Discuss the quiz cases	Dr. Emiko Morimoto (Department of Radiology, NCNP)

End of SESSION 3

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Thursday, 25 July 2019

**Small conference room (Library and Conference Center 1F, NCNP)
and Department of Radiology (National Center Hospital, NCNP)**

SESSION 4 (Movement Disorder)

09:00-12:00	How to interpret brain perfusion SPECT , DaT scan and MIBG in movement disorder ILO: 1. Understand the characteristic pattern of brain perfusion SPECT, DaT scan and MIBG in movement disorder 2. Getting used to using eZIS and DatView software 3. Discuss the quiz cases	Prof. Hiroshi Matsuda (IBIC,NCNP)
12:00-13:30	Lunch Break	
13:30-16:30	How to interpret MRI, brain perfusion SPECT and FDG PET in movement disorder ILO: 1. Understand the characteristic pattern of MRI, brain perfusion SPECT, DaT scan, and MIBG in movement disorder 2. Discuss the quiz cases	Dr. Yukio Kimura (Department of Radiology, NCNP)

END OF SESSION 4

18:00- Dinner party
(Venue: Shinjuku, Tokyo)

Friday, 26 July 2019

Small conference room (Library and Conference Center 1F, NCNP)

SESSION 5 (Molecular PET imaging in dementia)

09:00-10:30	How to interpret amyloid and tau PET in dementia	Dr. Yoko Shigemoto (Department of
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	ILO: Understand the characteristic pattern of amyloid PET and tau PET in dementia	Radiology, NCNP)
10:30-12:00	How to interpret amyloid PET in dementia ILO: 1.. Getting used to using eZIS software for amyloid PET 2. Discuss the quiz cases	Prof. Hiroshi Matsuda (IBIC,NCNP)
End of Session 5		
12:00-12:30	Closing Remarks	Prof. Hiroshi Matsuda (IBIC,NCNP)

Pictures



Five participants and NCNP staffs



Teaching how to interpret SPECT images



Discussion of Quiz cases



Asakusa tour