

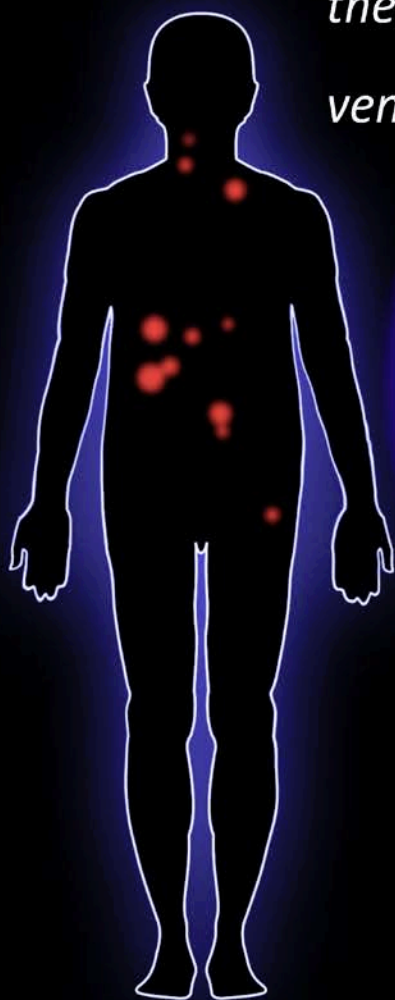
# Nuclear Medicine

UPDATE 2015

*date:* 6 - 8 August 2015

*theme:* Nuclear Medicine Theranostics

*venue:* Holiday Inn Atrium  
317 Outram Road  
Singapore 169075



*website:*  
[www.nmu.org.sg](http://www.nmu.org.sg)



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# PROGRAMME

## DAY 1: THURSDAY, 6 AUGUST 2015

### 0830 – 0900 REGISTRATION

(Changi Foyer, Level 4)

### 0900 – 0915 INAUGURATION

(Atrium Ballroom, Level 4)

0900 – 0905 Welcome Address  
President, Nuclear Medicine Society (Singapore) Dr David Ng

0905 – 0910 Welcome Address  
Organising Chairman, Nuclear Medicine Update 2015 Dr Anthony Goh

0910 – 0915 Opening Address Prof Soo Khee Chee

### 0915 – 1035 SCIENTIFIC SESSION 1: SCIENCE AND TECHNOLOGY UPDATE

(Atrium Ballroom, Level 4)

#### Moderators Mr S Somanesan / Dr Sean Yan

0915 – 0935 Role of the IAEA in Promoting Nuclear Medicine and Diagnostic Imaging Worldwide Dr Diana Paez

0935 – 0955 Trends in Instrumentation for Imaging Prof David Townsend

0955 – 1015 The Beginning, Evolution, and Current Status of "Theranostics" Dr Suresh Srivastava

1015 – 1035 Nanotheranostics Dr Xiaoyuan Chen

### 1035 – 1110 Coffee & Tea Break (Sponsored By O'Connor's Singapore Pte Ltd) / Trade Exhibition

(Changi Room, Level 4)

### 1035 – 1110 POSTER PRESENTATIONS 1

(Changi Room, Level 4)

### 1110 – 1230 SCIENTIFIC SESSION 2: THERANOSTIC AGENTS

(Atrium Ballroom, Level 4)

#### Moderators A/Prof Paul Roach / Dr Felix Sundram

1110 – 1130 Antibody-Based Theranostics in Oncology Prof Andrew Scott

1130 – 1150 Invitation To Innovation: New Powerful Peptides for Nuclear Medicine  
Theranostics Prof Hans-Jürgen Wester

1150 – 1210 Development of Clinical and Preclinical PET Radiochemistry Facilities at  
CIRC and SBIC Dr Edward G Robins

1210 – 1230 Clinical Translation of Novel PET Tracers Dr Xiaoyuan Chen

### 1230 – 1310 ORAL PRESENTATIONS 1

(Atrium Ballroom, Level 4)

#### Moderators Dr Butch Magsombol / Dr Edward G Robins

1230 – 1242  
O-35 Integrin $\alpha$ v $\beta$ 3 Targeted Imaging of Osteolytic Bone Metastasis Prof Feng Wang

1242 – 1254  
O-55 Improvement of <sup>11</sup>C PIB Production using FMEA Ms Thanita Saonam

1254 – 1306  
O-66 Comparison of <sup>99m</sup>Tc-HYNIC-TOC with <sup>68</sup>Ga-DOTA-TATE Dr Yu Jianguan

### 1310 – 1400 Lunch / Trade Exhibition

(Changi Room, Level 4)

# PROGRAMME

## DAY 1: THURSDAY, 6 AUGUST 2015

(continued)

<b>1400 – 1520</b>	<b>SCIENTIFIC SESSION 3: CLINICAL HYBRID IMAGING AND THERAPY</b> (Atrium Ballroom, Level 4)	
<b>Moderators</b>	<b>Prof Ann-Marie Chacko / Dr Xiaoyuan Chen</b>	
1400 – 1420	Hybrid Imaging Guiding Radionuclide Therapy	Dr Cornelis A Hoefnagel
1420 – 1440	The History of Nuclear Medicine at Brookhaven National Laboratory: Sixty Years and Still Present	Dr Suresh Srivastava
1440 – 1500	Global Trends in Nuclear Medicine	Prof Andrew Scott
1500 – 1520	A Recipe for Good Collaboration: Driving The Translation of Radiopharmaceuticals	Prof Ann-Marie Chacko
<b>1520 – 1600</b>	<b>Coffee &amp; Tea Break (Sponsored By O'Connor's Singapore Pte Ltd) / Trade Exhibition</b> (Changi Room, Level 4)	
<b>1520 – 1600</b>	<b>POSTER PRESENTATIONS 2</b> (Changi Room, Level 4)	
<b>1600 – 1700</b>	<b>SCIENTIFIC SESSION 4: RADIONUCLIDE THERAPY</b> (Atrium Ballroom, Level 4)	
<b>Moderators</b>	<b>Dr Ong Seng Chuan / A/Prof Zhu Hongyun June</b>	
1600 – 1620	Y-90 Radiomicrospheres Therapy for Liver Tumours	Dr David Ng
1620 – 1640	Ra-223 for Bone Metastases in Castrate-Resistant Prostate Cancer – SGH Experience	Dr Kelvin Loke
1640 – 1700	Current Topics and Issues of Radioiodine Therapy for Thyroid Cancer	Prof Henry Bom
<b>1700 – 1800</b>	<b>ORAL PRESENTATIONS 2</b> (Atrium Ballroom, Level 4)	
<b>Moderators</b>	<b>Prof Kyin Myint / Dr Thang Sue Ping</b>	
1700 – 1712 O-02	Predictive Value of Pyramidal Lobe, % Thyroid Uptake and Age for Ablation Outcome after 15 mCi Fixed Dose Of Radioiodine-131 in Graves' Disease	Dr Maseeh uz Zaman
1712 – 1724 O-20	Comparison of Post Operative 99mTc Pertechnetate Scan and Post Ablative 131I Scan in Differentiated Thyroid Carcinoma	A/Prof Shankar Biswas
1724 – 1736 O-70	Serial Tg Variation within 4 Weeks after RAI Therapy in Low-to- intermediate DTC	Dr Min Hou
1736 – 1748 O-60	Integrating Information from Fused Images: Using HU and Pet Data in HCC	A/Prof Zhu Hongyun June
1748 – 1800 O-32	Incremental Value of SPECT-CT for Characterisation of Skeletal Lesions in Breast Cancer Patients	Dr Thanuja Mahaletchumy
<b>1800</b>	<b>END OF DAY 1</b>	

# PROGRAMME

## DAY 2: FRIDAY, 7 AUGUST 2015

### 0830 – 0900 REGISTRATION

(Changi Foyer, Level 4)

### 0900 – 1040 SCIENTIFIC SESSION 5: BREAST / LYMPHOMA / MELANOMA / CNS / COLORECTAL

(Atrium Ballroom, Level 4)

**Moderators** Prof Henry Bom / A/Prof Zhu Hongyun June

0900 – 0920 PET in Colorectal Cancer A/Prof Sze-Ting Lee

0920 – 0940 PET in CNS Tumours Dr Winnie Lam

0940 – 1000 PET in Assessing Treatment Response in Lymphoma Dr Sean Yan

1000 – 1020 Molecular Imaging and New Therapy of Melanoma Prof Andrew Scott

1020 – 1040 PET in Breast Cancer A/Prof Sze-Ting Lee

### 1040 – 1110 Coffee & Tea Break (Sponsored By Biosensors Interventional Technologies Pte Ltd) / Trade Exhibition

(Changi Room, Level 4)

### 1040 – 1110 POSTER PRESENTATIONS 3

(Changi Room, Level 4)

### 1110 – 1150 SCIENTIFIC SESSION 6: NUCLEAR CARDIOLOGY / PULMONOLOGY / THYROID

(Atrium Ballroom, Level 4)

**Moderators** Dr Kelvin Loke / Dr Gilbert Keng

1110 – 1130 Cardiac PET: More than Perfusion and Viability Dr Felix Keng

1130 – 1150 V/Q Lung SPECT A/Prof Paul Roach

### 1150 – 1240 ORAL PRESENTATIONS 3

(Atrium Ballroom, Level 4)

**Moderators** Dr Aaron Tong / Dr Khor Lih Kin

1150 – 1202  
O-09 Predictive value of Body Mass Index (BMI) and Waist Circumference (WC) for Coronary Artery Disease (CAD) and Clinical Outcomes using Gated Myocardial Perfusion Imaging Dr Nosheen Fatima

1202 – 1214  
O-28 Myocardial Perfusion Imaging and Duke Treadmill Score in Patients with Chest Pain for the Risk Stratification in Suspected Coronary Artery Disease Dr Nasreen Sultana

1214 – 1226  
O-41 Chronic Kidney Disease as a Cardiovascular Risk Factor in Diabetics" A Study Using Myocardial Perfusion Scintigraphy Dr Arvind Arokia

1226 – 1238  
O-24 Modeling Renography Data Objectively Ms Say Xian Jue

### 1240 – 1300 Lunch / Trade Exhibition

(Changi Room, Level 4)

### 1300 – 1400 LUNCH SYMPOSIUM

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**Moderators** Dr Wong Wai Yin

1300 – 1400 Rationale of Important Changes in 2015 ATA Guidelines for Thyroid Cancer Prof Byeong-Cheol Ahn



# PROGRAMME

## DAY 2: FRIDAY, 7 AUGUST 2015

(continued)

<b>1400 – 1440</b>	<b>SCIENTIFIC SESSION 7: IMAGING GUIDED RADIONUCLIDE / RADIATION THERAPY</b> (Atrium Ballroom, Level 4)	
<b>Moderators</b>	<b>Dr Loi Hoi Yin / Dr Gilbert Keng</b>	
1400 – 1420	Radiosynovectomy	Dr Kok Tian Yue
1420 – 1440	PET in Radiation Therapy Planning	A/Prof Sze-Ting Lee
<b>1440 – 1530</b>	<b>ORAL PRESENTATIONS 4</b> (Atrium Ballroom, Level 4)	
<b>Moderators</b>	<b>Dr Sumbul Zaheer / Dr Xie Wanying</b>	
1440 – 1452 O-54	Qualitative and Semiquantitative Analysis of Brain FDG PET in Dementia - Preliminary Study	Dr Ivana Dewi Mulyanto
1452 – 1504 O-14	Striatal Uptake Variation in 99mTc-TRODAT-1 SPECT Between Tremor Dominant and Non-Tremor Dominant Idiopathic Parkinson's Disease	Dr Patel Asra
1504 – 1516 O-63	A Study of PET-CT Features of 11 Lung Adenocarcinoma Cases Metastatic to Brain	Dr Tri Doan Huu
1516 – 1528 O-13	Quantification of Cerebral Metabolic Rate In Mice Using 18F-FDG And Image-Derived Input Function	Dr Ravi Kumar Kannadorai
<b>1530 – 1600</b>	<b>Coffee &amp; Tea Break (Sponsored By Biosensors Interventional Technologies Pte Ltd) / Trade Exhibition</b> (Changi Room, Level 4)	
<b>1530 – 1600</b>	<b>POSTER PRESENTATIONS 4</b> (Changi Room, Level 4)	
<b>1600 – 1700</b>	<b>SCIENTIFIC SESSION 8: LUNG / HEAD AND NECK</b> (Atrium Ballroom, Level 4)	
<b>Moderators</b>	<b>Dr Saabry Osmany</b>	
1600 – 1620	PET CT in Head / Neck Cancer I	A/Prof Rathan M Subramaniam
1620 – 1640	PET CT in Lung Carcinoma	Dr Sam Berlangieri
1640 – 1700	PET CT in Head / Neck Cancer II	A/Prof Rathan M Subramaniam
<b>1700 – 1736</b>	<b>ORAL PRESENTATIONS 5</b> (Atrium Ballroom, Level 4)	
<b>Moderators</b>	<b>Dr Syed Ali / Dr Shoukat H Khan</b>	
1700 – 1712 O-47	Diagnostic Performance of 18F-FDG PET-CT in Detection of Suspected Recurrent Colorectal Adenocarcinoma in Malaysian Setting	Dr Wong Teck Huat
1712 – 1724 O-43	Role of PET-CT in Peripheral T-Cell Lymphoma: Initial Experience in a Tertiary Care Hospital	Dr Soumendranath Ray
1724 – 1736 O-23	The NUH Journey in PET/CT and Molecular Imaging	Mr Donald Teh

# PROGRAMME

## DAY 2: FRIDAY, 7 AUGUST 2015

(continued)

<b>1830 – 2200</b>	<b>NUCLEAR MEDICINE SOCIETY (SINGAPORE) ANNUAL ORATION &amp; CONFERENCE DINNER</b> (Seletar Ballroom, Level 3)	
<b>Moderators</b>	<b>Dr Khor Yiu Ming</b>	
1900 – 1930	The Value of Imperfection – An Imaging Odyssey	Dr Cornelis A Hoefnagel
1930 – 2200	Conference Dinner & Awards Ceremony	
<b>2200</b>	<b>END OF DAY 2</b>	

## DAY 3: SATURDAY, 8 AUGUST 2015

<b>0830 – 0900</b>	<b>REGISTRATION</b> (Changi Foyer, Level 4)	
<b>0900 – 1100</b>	<b>SCIENTIFIC SESSION 9: PROSTATE CANCER /NEUROENDOCRINE TUMOURS</b> (Atrium Ballroom, Level 4)	
<b>Moderators</b>	<b>Dr Winnie Lam / Prof Feng Wang</b>	
0900 – 0940	PSMA Based Theranostics of Prostate Cancer – A New Horizon for Nuclear Medicine	Prof Richard Baum
0940 – 1020	Nanomedicine and Therapy of Prostate Cancer	Prof Andrew Scott
1020 – 1040	MIBG Therapy in NETs and Neuroblastoma	Dr Cornelis A Hoefnagel
1040 – 1100	20 Years PRRT – Where We Are and Where We Go	Prof Richard Baum
<b>1100 – 1120</b>	<b>Coffee &amp; Tea Break / Trade Exhibition</b> (Changi Room, Level 4)	
<b>1120 – 1240</b>	<b>SCIENTIFIC SESSION 10: NUCLEAR NEUROLOGY</b> (Atrium Ballroom, Level 4)	
<b>Moderators</b>	<b>Dr Arvind Sinha / Dr Xie Wanying</b>	
1120 – 1140	Imaging Movement Disorder	A/Prof Rathan M Subramaniam
1140 – 1200	Imaging Epilepsy	Dr Sam Berlangieri
1200 – 1220	Vasomotor Reserve in Internal Carotid Artery and Intra-cranial Stenosis	A/Prof Vijay Sharma
1220 – 1240	Imaging Dementia	A/Prof Rathan M Subramaniam
<b>1240 – 1250</b>	<b>CLOSING</b> (Atrium Ballroom, Level 4)	
1240 – 1250	Closing Remarks (Scientific Co-Chair, Nuclear Medicine Update 2015)	Dr Sean Yan
<b>1300</b>	<b>END OF DAY 3</b>	

# POSTER LISTING

Thursday, 06 August 2015

1035 – 1110 POSTER PRESENTATIONS 1

(Changi Room, Level 4)

- 
- P-01 **The Diagnostic Performance of Dual Phase <sup>18</sup>F-FDG PET-CT in the Diagnosis of Indeterminate Lung Nodules**  
Dr Zuzila Sulaiman, Malaysia
- 
- P-02 **Role of PET-CT Imaging Using Ga-68 DOTANOC in Neuro Endocrine Tumours**  
Dr Amitabh Arya, India
- 
- P-03 **Role of Combined Ga-68 DOTANOC PET/CT and F-18 FDG PET/CT in Neuroendocrine Tumours**  
Dr Rasika Kabnurkar, India
- 
- P-04 **Role of <sup>18</sup>FFDG PET-CT Scan for Evaluating Newly Diagnosed Lung Cancer-Initial Experience**  
A/Prof Shankar Kumar Biswas, Bangladesh
- 
- P-05 **Role of <sup>18</sup>FDG PET-CT in Pre- Operative Staging and Assessment of the Operability in Patients of Gall Bladder Cancer - Its Correlation with Intra-Operative Findings and Histopathology Report**  
Dr Soumendranath Ray, India
- 
- P-06 **Pre-Surgical F-18 FDG PET-CT: Is there a Role in the Management of Breast Cancer?**  
Dr Alex Khoo, Malaysia
- 
- P-07 **PET/CT in Primary Pulmonary Lymphoma: A Case Report**  
Dr Doan Huu Tri, Vietnam
- 
- P-08 **Assessing the Early Use of 18f-Fluorodeoxyglucose-Positron Emission Tomography-Computed Tomography in Diagnostic Pathway of Patients with Metastatic Malignant Disease of Unknown Primary Origin**  
Dr Avani S. Jain, India
- 
- P-09 **"All that Glitters is not Gold": Pictorial Review of FDG Uptakes in Benign Musculoskeletal Conditions**  
Dr Khor Yiu Ming, Singapore
-



# POSTER LISTING

Thursday, 06 August 2015

1520 – 1600 POSTER PRESENTATIONS 2

(Changi Room, Level 4)

- 
- P-10 **Wandering Meckel's Diverticulum on 99mTechnetium-pertechnetate Scintigraphy - A Diagnostic Dilemma?**  
Dr Maseeh uz Zaman, Pakistan
- 
- P-11 **The Study of Technetium-99m HMPAO Brain Perfusion Spect Imaging in Dementia Patients**  
Dr Thiri Kyi Phyu, Myanmar
- 
- P-12 **Single Bone Metastasis in Pancreatic Neuroendocrine Tumour**  
Dr Khadijah Abdul Hamid, Malaysia
- 
- P-13 **Role of Lymphoscintigraphy in the Management of Congenital Pulmonary Lymphangiectasia**  
Dr Khor Phay Phay, Malaysia
- 
- P-14 **Role of 99m TC-MDP Bone Scan for Evaluating Skeletal Metastasis in Patients with Carcinoma Breast: 1 Year Experience**  
Ms Shaila Sharmin, Bangladesh
- 
- P-15 **Role of 99mTc-MDP Bone Scan For Evaluating Skeletal Metastasis in Patients with Carcinoma Prostate**  
Ms Tania Sultana, Bangladesh
- 
- P-16 **The Incidence and Risk Factors Influencing Renal Scarring in Children Undergoing 99mTc-DMSA Scan Following Urinary Tract Infection**  
Dr Hazlin Hashim, Malaysia
- 
- P-17 **Meta-Analysis of Diagnosis Techniques for Multiple Myeloma Related Bone Disease**  
Ms Weng Wanwen, China
- 
- P-18 **Bone Scan in Alcohol Induced Multifocal Avascular Osteonecrosis: A Diagnostic Quandary**  
Dr Maseeh uz Zaman, Pakistan
- 
- P-19 **'In-House' Fatty Meal Cholescintigraphy in Characterisation of Dyspepsia-Symptom Complex**  
Dr Avani S. Jain, India
- 
- P-20 **"Pseudo-Thyroid Lobe": A Diagnostic Conundrum Caused by Ossified Anterior Longitudinal Ligament (OALL) on Bone Scan**  
Dr Maseeh uz Zaman, Pakistan
- 
- P-21 **Role of 99m TC-MDP Bone Scan for Evaluating Skeletal Metastasis in Patients with Carcinoma Cervix: 1 Year Experience**  
Dr Afroza Akhter, Bangladesh
-

# POSTER LISTING

Friday, 07 August 2015

1040 – 1110 POSTER PRESENTATIONS 3

(Changi Room, Level 4)

- |      |  |
|------|--|
| P-22 | <b>Care Report: Thyrotoxicosis Due to Functioning Metastases in Follicular Variant of Papillary Thyroid Carcinoma</b><br>Dr Khor Phay Phay, Malaysia   |
| P-23 | <b>Thyroglobuline Elevated Non Iodine Secreting (TENIS) Syndrome: An Analysis of the Data of 46 Patients with Respect to Multiple Risk Factors and 18F FDG PET-CT Findings</b><br>Dr Soumendranath Ray, India        |
| P-24 | <b>Metastatic Follicular Thyroid Carcinoma to Sphenoidal Sinus with Orbital Apex and Base of Skull Involvement</b><br>Dr Chan Guat Choo, Malaysia  |
| P-25 | <b>Iodine-131 Avid Distant Metastasis in Differentiated Thyroid Cancer</b><br>Dr Shoukat Hussain Khan, India   |
| P-26 | <b>Incremental Value of Combined Dual-Phase and Dual-Tracer Parathyroid Scintigraphy with SPECT/CT in Localising Parathyroid Adenoma: Malaysia National Cancer Institute Experience</b><br>Dr Teik Hin Tan, Malaysia |
| P-27 | <b>Baseline Stimulated Thyroglobulin Level as a Good Predictor for Successful Ablation After Adjuvant Radioiodine Treatment in Differentiated Thyroid Cancers</b><br>Dr Nosheen Fatima, Pakistan                     |
| P-28 | <b>Association of FDG Positivity with Therapeutic Outcome to Empirical I-131 Iodine Therapy in 'TENIS' Patients</b><br>Dr Parvathy Pavithran, India  |
| P-29 | <b>Age, Sex, and Antithyroid Pretreatment as Predictors in Failure of Radioactive Iodine Therapy in Grave's Disease: A Retrospective Study</b><br>Dr Paolo Antonio R. Arcangel, Philippines                          |
| P-30 | <b>A Novel Discovery-Preparation of Encuplated 131I PLGA Nanoparticles Surface Modified with TSH for Targeted Drug Delivery in Vitro</b><br>Dr Fan Yongzeng, China   |

# POSTER LISTING

Friday, 07 August 2015

1530 – 1600 POSTER PRESENTATIONS 4

(Changi Room, Level 4)

- 
- P-31 **Temporal Trends in Results of 9170 Myocardial Perfusion Imaging Studies (2004 to 2013)**  
Dr Nosheen Fatima, Pakistan
- 
- P-32 **Strontium 90 Treats Recurring Keloids after Local Glucocorticoids Injection**  
Ms Ying Hu, China
- 
- P-33 **Peptide Receptor Radionuclide Therapy in Patients with Advanced Neuroendocrine Tumors**  
A/Prof Yong-Hui Chen, China
- 
- P-34 **Knowledge Challenge: Garlet Sign on DXA Scan**  
Dr Nosheen Fatima, Pakistan
- 
- P-35 **Keloid Volume Alteration after P-32 Sodium Phosphate Therapy**  
Dr Hapsari Indrawati, Indonesia
- 
- P-36 **Impact of Body Mass Index (BMI) and Parity upon Bone Mineral Density (BMD) Using DEXA in Pakistani Women**  
Dr Nosheen Fatima, Pakistan
- 
- P-37 **Higher Event Rate in Patients with Known CAD Despite a Normal Myocardial Perfusion Scan**  
Dr Maseeh uz Zaman, Pakistan
- 
- P-38 **High Negative Predictive Value of Workload  $\geq 7$  METS on Exercise Testing in Patients with Normal Gated Myocardial Perfusion Imaging: Was Imaging Really Required?**  
Dr Maseeh uz Zaman, Pakistan
- 
- P-39 **Clinical Research on Comparing the Effect of Liver Cancer Treatment with Radioactive Particle Combined HIFU and Simple Focussed Ultrasound**  
Ms Yuchan Wang, China
-