

**12th Congress of the World Federation of Nuclear Medicine
and Biology**

20-24 April 2018

Melbourne Convention and Exhibition Centre

TRACK: Endocrinology/Renal

Saturday 21 April 2018

ENDOCRINOLOGY 1: THYROID CARCINOMA MANAGEMENT			
Chairs: Dr David Pattison (Queensland, Australia) and Prof Dr Monica Rossleigh (Sydney Australia)			
14:00-14:20	What's New in Adult Thyroid Cancer Management Learning objectives 1. Understand the basis for the recent re-classifications of certain papillary thyroid cancer and implications for treatment 2. Understand the changes in TNM staging of differentiated thyroid cancer (to be implemented in January 2018) 3. Understand the emerging role of tyrosine kinase inhibitors in the management of radioiodine refractory differentiated thyroid cancer.	Dr. Jeremy Hoang, Royal North Shore Hospital, Sydney Australia	20 min
14:20-14:40	Current Recommendations in Paediatric Thyroid Cancer Management Learning Objectives: 1. Present interactive case-based materials reviewing the pediatric ATA guidelines. 2. Understand the differences between kids and adults with DTC both in epidemiology, incidence of gene mutations with respect to guidelines. 3. Understanding complications of RA.	Prof Marguerite Parisi, Seattle Children's Hospital, USA	20 min
14:40-15:00	The Australian Model of Thyroid Cancer Management Learning objectives 1. Current National incidence/prevalence- This would provide an opportunity to address the topic of a National Registry 2. Multidisciplinary management – Review how changes in ATA guidelines have altered referral pattern to adjuvant therapies 3. Therapeutic and diagnostic 131I /123I- Understand the additive role for 18F-FDG/124I PET/CT at different stages of the disease.	Dr Gabrielle Cehic, Queen Elizabeth Hospital and University of South Australia, Adelaide Australia	20 min
15:00-15:20	The Asian Model of Thyroid Cancer Management Learning objectives 1. Understand the current status of clinical practice in Asia for the management of thyroid cancer patients 2. Acknowledge the strength and limitation of Asian practice 3. Discuss how to improve the practice of nuclear medicine professionals in Asia	Prof. Henry Bom, Chonnam National University Medical School and Hospital, Gwa	20 min
15:20-15:30	Panel Discussion		10 mins

Sunday 22 April 2018

14:00-15:30 RENAL SESSION 1: RENAL FUNCTION ASSESSMENT			
Chair: Belkis Erbas (Turkey) and Dr Andrew Hilson (U.K.)			
14:00-14:20	GFR measurement in the Era of PRRT therapy. Learning Objectives 1. To understand the basic principles of GFR measurements 2. To understand the effect of PPRT on renal function. 3. To be able to compare the accuracy of radionuclide methods and other methods.	Prof. Belkis Erbas, Hacettepe University, Ankara, Turkey.	20 min
14:20-14:35	Guidelines for GFR measurement: what to do, when to do it, and where the errors occur. Learning objectives 1. To understand current recommendations for GFR measurement. 2. To understand sources of error and how to minimise them.	Dr Andrew Hilson, University College, London, UK	15 min
14:35-14:55	GFR measurement in Children . Intended learning objectives: 1. A good understanding of quality control steps when evaluating the GFR results. 2. How the two sample method compares to creatinine-based nomograms, especially in different populations.	Dr. Anita Brink, Red Cross War Memorial Children's Hospital Rondebosch, South Africa	20 min
14:55-15:15	Captopril renography in the 21st century. Learning objectives 1. To understand the background of captopril renography. 2. To understand how and when to perform the study in the light of recent advances in the management of renovascular disease.	Dr. Andrew Hilson , University College, London, UK	20 min
15:15 - 15:30	Panel Discussion		15 mins
16:15-17:45 ENDOCRINOLOGY 2: ENDOCRINE IMAGING			
Chairs: Dr David Pattison (Australia) and Dr Ka Kit Wong (USA)			
16:15-16:45	SPECT/CT and PET/CT Imaging in Well-differentiated Thyroid Cancer Learning objectives 1. To discuss the usefulness of SPECT/CT for pre-ablation, post-therapy and surveillance radioiodine thyroid cancer scans 2. To review indications for and interpretation of FDG PET/CT in well-differentiated thyroid cancer 3. To discuss how PET/CT imaging guides management.	Dr Ka Kit Wong, University of Michigan, Ann Arbor, USA	30 mins
16:45-17:05	Parathyroid Imaging Learning Objectives: 1. Discuss the principles, protocols and performance of Tc-99m sestamibi and other radio-isotopes for parathyroid imaging 2. Discuss other modalities for imaging in hyperparathyroidism (CT and US) 3. Discuss guidelines regarding preoperative imaging in hyperparathyroidism 4. Review anatomy of parathyroid surgery.	Dr. Ivan Ho Shon, Prince of Wales & Sydney Children's Hospitals, Sydney, Australia	20 mins
17:05-17:25	Functional Imaging of Adrenal Tumours Learning Objectives: 1. Review various functional imaging agents that have been used to examine tumors of or related to the adrenal gland. 2. Identify the role of functional imaging agents in the management of select disorders of the adrenal gland.	Dr Barry Shulkin, St. Jude Children's Research Hospital , Memphis, USA	20 mins
17:25-17:35	F-DOPA Imaging in Hypoglycaemia of Infancy Learning Objectives: 1. List the types of hyperinsulinemic hypoglycemia of infancy. 2. Identify the patterns of disease on F-18 DOPA PET/CT studies 3. Describe potential management options based on the PET/CT findings.	Dr David Pattison, Royal Brisbane & Women's Hospital, Australia	10 min
17:35-17:45	Panel Discussion		10 mins

Monday 23 April 2018

16:15-17:45	ENDOCRINOLOGY/RENAL SESSION: HYPERTHYROIDISM AND RENAL APPLICATIONS IN ONCOLOGY		
	Chair: Dr John McKay (Australia)		
16:15-16:30	Experience Learning Objectives 1. To discuss RAI therapy of hyperthyroidism in children – indications, preparation, practice and effectiveness 2. To discuss adverse effects and pitfalls related to RAI therapy of hyperthyroidism 3. To appreciate the use of RAI therapy for ablation of obstructive lingual thyroid	Dr Ka Kit Wong , University of Michigan, Ann Arbor, USA	15 mins
16:30-16:45	Radio iodine in benign Thyroid Disease. A Practical Australian Approach Learning objectives 1. The presenter will briefly discuss the international guidelines for the therapeutic use of radio iodine in the management of the overactive thyroid in nodular and diffuse thyroid disease. 2. A description of how the Australian approach to dosimetry has evolved over his 45 years of experience. 3. Suggest a practical approach to the use of radio iodine in the current management of the hyperthyroid patient.	Dr W. John McKay, Monash Health, Melbourne, Australia	15 mins
16:45-17:00	Treatment of Hyperthyroidism – the Japanese Experience in Therapeutic Dose Determination Learning Objectives 1. To understand difference in methods to determine I-131 dose. for hyperthyroidism. 2. To recognize considerations during therapeutic process. 3. Rare case presentation.	Prof Seigo Kinuya, Kanazawa University, Kanazawa, Japan.	15 mins
17:00-17:25	The Complementary Role of Renal Nuclear Medicine in Oncology Learning objectives 1. Audience will able to understand the reasons of the renal function alterations in oncological pathologies 2. To learn the complimentary role of nuclear medicine methods for the renal function measurement 3. To understand the application of nuclear medicine imaging methods in the evaluation of nephrourologic tumors.	Prof. Belkis Erbas, Hacettepe University, Ankara, Turkey	25 min
17:25-17:45	Panel Discussion		20 mins

Tuesday 24 April 2018

15:15-16:45	RENAL SESSION 2: PAEDIATRIC RENAL APPLICATIONS	Speaker	Time
	Chairs: Dr Anita Brink (South Africa) and Dr Zvi Bar-Sever (Israel)		
15:15-15:35	Imaging in the Assessment of Urinary Tract Infection Learning objectives 1. Understand the 3 main imaging modalities utilised in the assessment of urinary tract infection in children 2. Assess the methods used to perform DMSA renal cortical scintigraphy 3. Analyse a variety of international guidelines for imaging in urinary tract infection.	A/Prof. Monica Rossleigh, Prince of Wales & Sydney Children's Hospitals, Sydney, Australia	20 mins
15:35-15:50	Diuretic Renography in Children- Harmonization of the Guidelines Learning objectives 1. Knowledge of the principles guiding the performance and interpretation of diuretic renography in children 2. Familiarity with the standardized recommended protocols 3. Understanding limitations, pitfalls and red flags of diuretic renography in children.	Dr Zvi Bar Sever, Schneider Children's Medical Center, Israel	15 mins
15:50-16:10	Read with the Experts Session – Diuretic Renography learning objectives: 1. Learn to interpret challenging diuretic renograms 2. Assess the impact of diuresis renography in the management of patients with an antenatal diagnosis of hydronephrosis 3. Understand clinical issues that will impact on the interpretation of diuretic renograms.	Dr Anita Brink, Dr Zvi Bar-Sever, Prof Marguerite Parisi	20 mins
16:10-16:25	Panel Discussion	Dr Anita Brink, Dr Zvi Bar-Sever, Prof Dr Monica Rossleigh, Prof Marguerite Parisi	25mins