

## ANZSNM 2019 Posters – Poster Walk 1.15pm – 2.00pm Saturday 27 April

\*GMS Poster Award Nominee

148	<b>P01</b>	Predicting the biodistribution of radioiodide in the setting of renal impairment and dialysis <i>Erin Mckay, South Eastern Sydney Local Health District*</i>
106	<b>P02</b>	18F-FDG PET-CT for monitoring treatment response in extra-pulmonary tubercular infections. <i>Ajay K Singh, Institute of Nuclear Medicine &amp; Allied Science</i>
108	<b>P03</b>	Language complexity in clinical nuclear medicine <i>Travis Pearson, Metro North HHS*</i>
110	<b>P04</b>	Pictorial review of FDG PET findings in craniofacial giant cell arteritis <i>Edward Hsiao, Royal North Shore Hospital</i>
111	<b>P05</b>	Introduction of [18F]F-PSMA-1007 for prostate cancer Imaging at Sir Charles Gairdner Hospital - radiochemist's perspective <i>Joseph Ioppolo, Sir Charles Gairdner Hospital</i>
112	<b>P06</b>	Recommendations for the quality control of technetium-99m labelled radiopharmaceuticals <i>Daphne James, University of Newcastle</i>
113	<b>P07</b>	Amyloidosis in F18-FDG avid lung nodule <i>Madison Bills, Royal Adelaide Hospital- SAMI</i>
120	<b>P08</b>	Role of 18F-FDG PET in the management of gestational trophoblastic neoplasia <i>Rosemary Dallen, Sir Charles Gairdner Hospital</i>
122	<b>P9</b>	68Ga-DOTATATE expression in breastmilk and the potential dose to the breastfeeding infant <i>Judy Duong, Princess Alexandra Hospital*</i>
124	<b>P10</b>	Delivery of 18F-PSMA-1007 through an automatic infusion device <i>Simone Culleton, WA PET Service</i>
126	<b>P11</b>	A case of false positive gastrointestinal bleed study from uterine vascular anomaly <i>Mikayla Dimitri, Royal Adelaide Hospital Nuclear Medicine</i>
127	<b>P12</b>	VQ SPECT/CT - To assess the usefulness of routine low dose CT within our department <i>Russell Edwards, SA Medical Imaging</i>
129	<b>P13</b>	White cell accumulation in giant cell tumour <i>Kim Taubman, St Vincent's Hospital</i>
130	<b>P14</b>	75-seleno-homocholic acid-taurine (SeHCAT) test: A single-centre audit of study indications, and the influence of results on management <i>Karen Fullard, Nuclear Medicine Department</i>

133	<b>P15</b>	Retrospective analysis of paediatric glomerular filtration rate data comparing single, two and three-blood sample methods <i>Catherine Munn, SA Medical Imaging, WCH</i>
135	<b>P16</b>	A prospective intra-individual blinded comparison of 18F-PSMA-1007 and 68Ga-PSMA-11 PET imaging in patients with confirmed prostate cancer <i>Maciej Debowski, Royal Brisbane &amp; Women's Hospital</i>
136	<b>P17</b>	Manifestations of scurvy on bone scintigraphy <i>Brianna Powe, Concord Hospital</i>
137	<b>P18</b>	Pachymeningitis demonstrated on Gallium SPECT/CT scan <i>Aaron Rose, Concord Hospital</i>
138	<b>P19</b>	Axillo-femoral graft demonstrated on labelled red and white cell SPECT/CT <i>Brianna Powe, Concord Hospital</i>
140	<b>P20</b>	Patterns of nodal involvement demonstrated on 68Ga-PSMA PET/CT scans for the primary staging of prostate cancer <i>Geoffrey Schembri, Royal North Shore Hospital</i>
141	<b>P21</b>	Do real-time electronic extremity dosimeters improve staff radiation hygiene and assist in best manual dispensing practice in a busy PET department? <i>Judy Duong, The Princess Alexandra Hospital</i>
144	<b>P22</b>	Spectrum of 123I SPECT/CT Findings in paediatric neuroblastoma in New Zealand. <i>Hayley Wong, Auckland City Hospital</i>
145	<b>P23</b>	Immunotherapy-related nephritis in a melanoma patient: a case study <i>Rosemary Dallen, Sir Charles Gairdner Hospital</i>
147	<b>P24</b>	Estimation of radiation dose to sonographers from nuclear medicine and PET patients at a specialist cancer hospital <i>Nicholas Daw, Peter MacCallum Cancer Centre</i>
149	<b>P25</b>	The use of 124 Iodine as a diagnostic and theranostic tool for patients with metastatic thyroid cancer <i>Allison Wallace, Royal Brisbane and Women's Hospital*</i>
152	<b>P26</b>	Pulmonary amyloidosis demonstrated on FDG PET/CT, <i>Larry Pijaca, Nepean Hospital</i>
154	<b>P27</b>	Elevated Gallium 68 prostate-specific membrane antigen uptake in colon cancer. <i>Khang Le, Nepean Hospital</i>
157	<b>P28</b>	Sample geometry and its effects on assay results <i>Arlen McDonald, POWH</i>
167	<b>P29</b>	Is Gallium-67 citrate imaging guiding antibiotic therapy for renal transplant patients with urinary tract infections? <i>Remi Hillery, Princess Alexandra Hospital</i>
170	<b>P31</b>	The role of nuclear medicine in the detection of cardiac amyloidosis - a case study <i>Meni (Melpomeni) Rollis, University of South Australia</i>

174	<b>P31</b>	The application of diagnostic computed tomography in the setting of a clinical PET service - a retrospective analysis <i>Loren Katchel, Princess Alexandra Hospital Queensland Health</i>
176	<b>P32</b>	Patterns of 18-FDG uptake in differentiating different types of non-malignant diagnoses of mediastinal lymphadenopathy <i>Socrates Angelides, Westmead Hospital</i>
179	<b>P33</b>	Automated radiosynthesis of [177Lu]Lu-PSMA-617 on the iPHASE MultiSyn module <i>Uwe Ackermann, Austin Health*</i>
181	<b>P34</b>	Rapid and automated production of [68Ga]GaCl <sub>3</sub> and [68Ga]Ga-DOTA-TATE on a medical cyclotron <i>Courtney Hollis, South Australian Health and Medical Research Institute</i>
182	<b>P35</b>	Preliminary tests on cyclotron production of 68Ga through irradiation of enriched 68Zn powder <i>Thien Dinh, Austin Health</i>
183	<b>P36</b>	A simple, robust, fully automated system for dual 68Ge/68Ga generator radiopharmaceutical production <i>Benjamin Nguyen, Austin Health</i>
185	<b>P37</b>	Titration of 99mTechnetium- macroaggregated albumin doses in lung ventilation/perfusion imaging and its effect on dose reduction <i>Jessica Traczyk, Austin Health</i>
190	<b>P38</b>	Usefulness of radioprotective eyewear in the reduction of occupational dose to the lens of the eye in NM & PET <i>My Linh Diep, Monash Health</i>
196	<b>P39</b>	Quantitative analysis of FDG PET/CT for assessment of therapy response in patients with non-small cell lung carcinoma treated with nivolumab <i>Joshua James Morigi, Austin Health</i>
186	<b>P40</b>	Arterial FDG uptake - what is normal? <i>Aurora Poon, Austin Health</i>
187	<b>P41</b>	Theranostics for metastatic colorectal cancer - radioimmunodetection and radioimmunotherapy in mouse models <i>Tahleesa Cuda, Mater Research Institute - The University of Queensland*</i>
188	<b>P42</b>	Galium-68-PSMA-617 as a novel PET-CT marker for disease stratifying metastatic colorectal cancer: A prospective pilot study <i>Tahleesa Cuda, Mater Research Institute - The University of Queensland*</i>
189	<b>P43</b>	Radiation monitoring in Liverpool Hospital molecular science cyclotron facility: first year of Operation <i>Chithradevi Sathiakumar, Liverpool Hospital</i>
197	<b>P44</b>	What did you xSPECT? <i>James Player, Prince of Wales Hospital Nuclear Medicine</i>

202	<b>P45</b>	The Role of FDG and DOTATATE PET in predicting PRRT efficacy: A quantitative lesion-based analysis <i>David Chan, Royal North Shore Hospital</i>
204	<b>P46</b>	Impact of the bone scan in a complicated Meningococcal patient <i>Emma Harding, Austin Health</i>
205	<b>P47</b>	Well-differentiated neuroendocrine neoplasm (NEN) with no or low 68Ga-DOTATATE and 18F-FDG-avidity: an under-recognised molecular imaging phenotype and potential mimicking pitfalls <i>Lamiaa Zidan, Peter MacCallum Cancer Centre*</i>
206	<b>P48</b>	Initial experience in the clinical utilisation of brain amyloid PET imaging <i>Christian Testa, Austin Health*</i>
207	<b>P49</b>	Equivocal findings in bone on PSMA PET CT <i>Rueben Ganeshalingam, Royal North Shore Hospital</i>
208	<b>P50</b>	Technical feasibility of the measurement of absolute Myocardial Blood Flow (MBF) and Myocardial Flow Reserve (MFR) using novel ultra-low dose dynamic CZT-SPECT technology with 99mTc-Sestamibi and Dipyridamole or Dobutamine <i>Mark Dobson, Bankstown Lidcombe Hospital, South Western Sydney Local Health District*</i>
210	<b>P51</b>	Methodology for the validation and implementation of new quantitative processing software <i>Vivian Chan, Royal North Shore Hospital</i>
211	<b>P52</b>	Performing a first in human research trial from the technologist perspective <i>Elizabeth Bailey, Royal North Shore Hospital</i>
212	<b>P53</b>	The role of a clinical coordinator for the nuclear medicine technologist <i>Elizabeth Bailey, Royal North Shore Hospital</i>
214	<b>P54</b>	Artificial intelligence vs human intelligence - quotient analysis on lung VQ scan for diagnosis of pulmonary embolism <i>Michael Nguyen, Austin Health</i>
215	<b>P55</b>	Optimized F18-Florbetaben Amyloid PET brain reconstruction parameters for qualitative and quantitative review <i>Anita Singh, Royal North Shore Hospital</i>
216	<b>P56</b>	PET scanner spatial resolution from contrast phantom measurements <i>Chris Rowe, Austin Health</i>
217	<b>P57</b>	Dose Calibrator measurements using Copper Inserts <i>Cameron Pain, Austin Health</i>
221	<b>P58</b>	Digital Respiratory Gated PET/CT: diagnostic and workflow impact <i>Peter Lin, Liverpool Hospital</i>
222	<b>P59</b>	The use of F18 MISO PET-CT to measure serial tumour hypoxia following induction chemotherapy and stereotactic body radiotherapy in locally advanced pancreatic cancer <i>Peter Lin, Liverpool Hospital</i>

227	<b>P60</b>	99mTc heat damaged red blood cell spleen scan detecting thoracic splenosis <i>Bronwyn Jones, Prince of Wales Hospital</i>
160	<b>P61</b>	Labelled red blood cell liver scan in the investigation of suspected haemangioma: A case study <i>Kate Romeo, University of South Australia*</i>
143	<b>P62</b>	Stability studies of [177Lu]-DOTATATE ([177Lu]-Lutate) for peptide receptor radionuclide therapy using carrier added and non-carrier added [177Lu]-Lutetium <i>Lyzu Yasmin, Royal North Shore Hospital</i>
121	<b>P63</b>	18F-FDG PET scan in a patient with Refractory DRESS Syndrome <i>K Hughes, Royal Adelaide Hospital</i>
159	<b>P64</b>	Standardising the synthesis of [18F]FET (O-(2 [18F] Fluoroethyl)-L-tyrosine) with TET (L-Tyrosine, O-(2-tosyloxyethyl)-N-trityl, tert-butyl ester) as the precursor. <i>Vijay Kumar, Westmead Hospital &amp; The Children's Hospital at Westmead Australia</i>