Nuclear Medicine Research Team

Research Portfolio
(as at 18 September 2007)

Please note: This report does not include research activities prior to either individual team members appointment at CSU (1 July 2002 for both).

Nuclear Medicine Research Team

Dr Geoffrey CURRIE  
Senior Lecturer  
GradDip NucMedSc  
GradCert UniTeach&Learn  
M MedRadSc (NucMed)  
M AppMngt (Health)  
MBA  
PhD

Dr Janelle WHEAT  
Senior Lecturer  
GradCert UniTeach&Learn  
B AppSc (Radiotherapy)  
GradDip NucMedSc  
M MedRadSc (NucMed)  
D HlthSc  
GradDip HlthSci (Herbal Medicine)

Prof Douglas HOWARTH  
Adjunct Professor  
Dip Medical Radiography  
B Sc  
B Sc Hons (class 1)  
MB BS  
Advanced training in:
• Physician (RACP),
• Clinical Pharmacol and Toxicology,
• Nuclear Medicine

External Research Partners

Key Centres:
• Central Coast Nuclear Medicine (Mr Russell Pearce and Dr Tung Vu)
• Regional Imaging Riverina (Mr Matthew Bellairs, Ms Sarah Adams and Dr Rashid Hashmi)
• Toowoomba Nuclear Imaging (Mr Michael Crook)
• Queensland Xray, Brisbane (Mr Damien Coote)
• Riverina Cancer Care Centre, Wagga Wagga (Ms Kristine Coulter)
• Department of Primary Industries (NSW) (Dr Suzy Rogiers)
• MediHerb, Warwick

Key Individuals:
• Prof Hosen Kiat, Medical Director of the Cardiac Health Institute in Sydney and Professor of Cardiology in the Australian School of Advanced Medicine at Macquarie University.
• A/Prof Kerry Bone, Director of Research and Development at MediHerb and Associate Professor in Phytotherapy at the University of New England.

Affiliations with Research Groups

• Cardiovascular Health Research Group, CSU
• Cancer Research and Development Team, Centre for Inland Health, CSU
• Rural Alliance In Nuclear Scintigraphy (RAINS)
• South West Region (NSW) Cancer Council
• Trans Tasman Radiation Oncology Group (TROG)
• National Wine and Grape Industry Centre
• NSW Department of Primary Industries
• CSU Veterinary Hospital/Clinic
Nuclear Medicine Research Output

Peer Reviewed Journal Publications

<table>
<thead>
<tr>
<th>Year</th>
<th>Total</th>
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<td>2003</td>
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<td>2004</td>
<td>7</td>
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<td>2005</td>
<td>11</td>
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<td>2007</td>
<td>20</td>
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</table>

2003 2004 2005 2006 2007

Legend:
- 2003
- 2004
- 2005
- 2006
- 2007
<table>
<thead>
<tr>
<th>Journal</th>
<th>Description</th>
<th>Rejection rate*</th>
<th>ISI JCR Impact Factors</th>
</tr>
</thead>
<tbody>
<tr>
<td>J Nucl Med</td>
<td>The official publication of the Society of Nuclear Medicine. The Journal of Nuclear Medicine (JNM) is the #1 peer-reviewed international journal in nuclear medicine and its allied disciplines.</td>
<td>-</td>
<td>4.899 5.362 4.684 4.986</td>
</tr>
<tr>
<td>J Nucl Med Technol</td>
<td>The official publication of the Society of Nuclear Medicine Technologists. The most widely read peer reviewed journal in Nuclear Medicine. Continuously published since 1973, it is the only peer review journal dedicated to nuclear medicine science/technology.</td>
<td>51%</td>
<td>- - - -</td>
</tr>
<tr>
<td>Nucl Med Commun</td>
<td>Monthly journal of the British Society of Nuclear Medicine.</td>
<td>-</td>
<td>1.230 1.602 1.097 1.283</td>
</tr>
<tr>
<td>Clin Nucl Med</td>
<td>This authoritative journal provides up-to-date information on nuclear medicine that can be readily applied to clinical situations.</td>
<td>-</td>
<td>0.737 1.582 1.800 2.217</td>
</tr>
<tr>
<td>ANZ Nucl Med J</td>
<td>Official journal of the Australian and New Zealand Society of Nuclear Medicine. The only Nuclear Medicine journal in Australia.</td>
<td>- - - -</td>
<td>-</td>
</tr>
<tr>
<td>J Nucl Cardiol</td>
<td>The official publication of the Society of Nuclear Cardiology.</td>
<td>-</td>
<td>1.629 1.849 2.080 2.440</td>
</tr>
<tr>
<td>World J Nucl Med</td>
<td>This is a publication of the World Federation of Nuclear Medicine &amp; Biology (WFNMB) with the support of the IAEA.</td>
<td>-</td>
<td>3.431 5.800 3.000 4.473</td>
</tr>
<tr>
<td>Semin Nucl Med</td>
<td>Clinically oriented review articles from contributing authors that represent many of the recognized authorities from around the world.</td>
<td>-</td>
<td>3.431 5.800 3.000 4.473</td>
</tr>
<tr>
<td>Radiographer</td>
<td>Official journal of the Australian Institute of Radiography.</td>
<td>-</td>
<td>3.431 5.800 3.000 4.473</td>
</tr>
<tr>
<td>Austral Radiol</td>
<td>Australasian Radiology is the official journal of The Royal Australian and New Zealand College of Radiologists, publishing peer reviewed articles in radiology and radiation oncology.</td>
<td>-</td>
<td>3.431 5.800 3.000 4.473</td>
</tr>
<tr>
<td>J Aust Trad Med Soc</td>
<td>Official publication of the Australian Traditional Medicine Society which is the largest professional association for complementary medicine practitioners in Australia.</td>
<td>80%</td>
<td>3.431 5.800 3.000 4.473</td>
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<tr>
<td>Internet J Nucl Med</td>
<td>Archived by the Internet Scientific Publications LCC and recognised the USA Library of Congress.</td>
<td>30%</td>
<td>3.431 5.800 3.000 4.473</td>
</tr>
<tr>
<td>Complement Ther Med</td>
<td>Complementary Therapies in Medicine is affiliated with both the Research Council for Complementary Medicines and the International Society of Complementary Medicine Research.</td>
<td>-</td>
<td>1.194 1.317 1.362 1.279</td>
</tr>
<tr>
<td>Internet J Cardiol</td>
<td>Archived by the Internet Scientific Publications LCC and recognised the USA Library of Congress.</td>
<td>30%</td>
<td>1.194 1.317 1.362 1.279</td>
</tr>
<tr>
<td>Internet J Gastroenterol</td>
<td>Archived by the Internet Scientific Publications LCC and recognised the USA Library of Congress.</td>
<td>30%</td>
<td>1.194 1.317 1.362 1.279</td>
</tr>
<tr>
<td>Internet J Endrinol</td>
<td>Archived by the Internet Scientific Publications LCC and recognised the USA Library of Congress.</td>
<td>30%</td>
<td>1.194 1.317 1.362 1.279</td>
</tr>
<tr>
<td>Inter J Cardiovasc Res</td>
<td>Archived by the Internet Scientific Publications LCC and recognised the USA Library of Congress.</td>
<td>30%</td>
<td>1.194 1.317 1.362 1.279</td>
</tr>
<tr>
<td>Inter J Health Admin</td>
<td>Archived by the Internet Scientific Publications LCC and recognised the USA Library of Congress.</td>
<td>30%</td>
<td>1.194 1.317 1.362 1.279</td>
</tr>
<tr>
<td>Internet J Oncology</td>
<td>Archived by the Internet Scientific Publications LCC and recognised the USA Library of Congress.</td>
<td>30%</td>
<td>1.194 1.317 1.362 1.279</td>
</tr>
<tr>
<td>Sports Med</td>
<td>Sports Medicine is the world's premier sports medicine review journal, and for over 17 years has been the primary reference source relied upon by the world's leading medical academic institutions.</td>
<td>-</td>
<td>2.404 2.781 3.333 3.504</td>
</tr>
<tr>
<td>J Altern Compl Med</td>
<td>The Journal of Alternative and Complementary Medicine is the official journal of the Society of Acupuncture Research</td>
<td>-</td>
<td>0.979 1.401 1.051 1.104</td>
</tr>
<tr>
<td>Altern Ther Health Med</td>
<td>Alternative Therapies in Health and Medicine is a peer-reviewed healthcare journal that has been indexed in the National Library of Medicine since 1996.</td>
<td>-</td>
<td>1.145 0.971 1.300 1.429</td>
</tr>
<tr>
<td>Aust J Med Herbalism</td>
<td>The Australian Journal of Medical Herbalism (AJMH) is Australia's leading herbal publication. A thoroughly modern, peer reviewed and clinically relevant journal.</td>
<td>- - - -</td>
<td>-</td>
</tr>
<tr>
<td>Am J Cardiol</td>
<td>The American Journal of Cardiology is an independent journal designed for cardiovascular disease specialists and internists with a subspecialty in cardiology throughout the world.</td>
<td>-</td>
<td>3.059 3.140 3.059 3.015</td>
</tr>
<tr>
<td>Med Sc Mon</td>
<td>Medical Science Monitor is an international medical journal for experimental and clinical research.</td>
<td>- - - -</td>
<td>1.595</td>
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<tr>
<td>Anat J Cardiol</td>
<td>The Anatolian Journal of Cardiology is official publication of the Turkish Society of Cardiology.</td>
<td>- - - -</td>
<td>-</td>
</tr>
</tbody>
</table>

* Rejection rates were advised in writing by each journal editor in June 2006.
Publications and Research Activities Summary
(1st January 2003 – 18th September 2007)

Legend
1 Nuclear Medicine Staff
2 Nuclear Medicine Student
3 CSU Staff from Outside Discipline
4 External to CSU

A Cardiovascular Health Research group
B Cancer Research and Development Team

Peer Refereed Journal Articles

• B Crook, M\(^1,2,4\), Wheat, J\(^1\) & Currie, G\(^1\) 2007, Pheochromocytoma: an unexpected finding, *Internet J Endocrinol*, vol. 3, no. 1.


• Currie, G\(^1\), Towers, P\(^3\) & Wheat, J\(^1\) 2007, A role for subtraction scintigraphy in the evaluation of lower gastrointestinal bleeding in the athlete, *Sport Med*, vol. 37, no. 11, (in press).


• Currie, G\(^1\) & Wheat, J\(^1\) 2007, A potential role for student portfolios in the Medical Radiation Sciences, *The Radiographer*, vol. 54, no. 1, pp. 11-13.


• Currie, G\(^1\) & Wheat, J\(^1\) 2007, Incidental findings on RBC gastrointestinal haemorrhage blood pool scintigraphy, *Internet J Nucl Med*, vol. 3, no. 2.

• Currie, G\(^1\) & Wheat, J\(^1\) 2007, Subtraction scintigraphy in GIT bleeding, *Internet J Gastroenterol*, vol. 5, no. 1.

• Currie, G\(^1\), Wheat, J\(^1\) & Pearce, R\(^1,4\) 2007, Planar image fusion, *Internet J Nucl Med*, vol. 4, no. 1.

• B Davey, S\(^2\), White, S\(^2\), Currie, G\(^1\) & Wheat, J\(^1\) 2007, Injection techniques for breast lymphoscintigraphy: a review, *Internet J Oncology*, (in press).


• Currie, G$^1$ & Wheat, J$^1$ 2005, The first year clinical placement for undergraduate Medical Radiation Science students; tool or toil?, *The Radiographer*, vol. 52, no. 2, pp. 18-22.


• ^Howarth, DM\textsuperscript{1}, Oldfield, G, Booker, JA & Tan, PSK 2003, Esophageal dysfunction in patients with atypical chest pain investigated with esophageal scintigraphy and myocardial perfusion imaging: an outcome study, \textit{J Nucl Cardiol}, vol. 10, pp. 490-497.

• ^Wheat, J\textsuperscript{1} & Currie, G\textsuperscript{1} 2003, Incidence and impact of patient motion in myocardial perfusion SPECT imaging, \textit{ANZ Nucl Med J}, vol. 34, no. 4, pp. 169-177.

\textbf{Education Based Peer Refereed Publications}

• Currie, G\textsuperscript{1} & Wheat, J\textsuperscript{1} 2007, A potential role for student portfolios in the Medical Radiation Sciences, \textit{The Radiographer}, vol. 54, no. 1, pp. 11-13.

• Currie, G\textsuperscript{1} & Wheat, J\textsuperscript{1} 2005, Clinical education of the Nuclear Medicine undergraduate, \textit{ANZ Nucl Med J}, vol. 36, no. 3, pp. 107-111.

• Currie, G\textsuperscript{1} & Wheat, J\textsuperscript{1} 2005, The first year clinical placement for undergraduate Medical Radiation Science students; tool or toil?, \textit{The Radiographer}, vol. 52, no. 2, pp. 18-22.


• Currie, G\textsuperscript{1} & Wheat, J\textsuperscript{1} 2004, Patient education in Nuclear Medicine – is there a role for the world wide web?, \textit{ANZ Nucl Med J}, vol. 35, no. 3, pp. 73-77.

\textbf{Peer Refereed Publications with Undergraduate Student Authors}

• B Davey, S\textsuperscript{2}, White, S\textsuperscript{2}, Currie, G\textsuperscript{1} & Wheat, J\textsuperscript{1} 2007, Injection techniques for breast lymphoscintigraphy: a review, \textit{Internet J Oncology}, (under review).

• ^Wheat, J\textsuperscript{1}, Currie, G\textsuperscript{1} & Ramsay, B\textsuperscript{2} 2007, Visual quality control of gated myocardial perfusion SPECT, \textit{Internet J Cardiol}, vol. 4, no. 1.

• Currie, G\textsuperscript{1}, Wheat, J\textsuperscript{1} & Traviss, Z\textsuperscript{2} 2006, The impact of exceeding recommended crucible volumes in the Technegas generator, \textit{Internet J Nucl Med}, vol. 3, no. 1.

• Currie, G\textsuperscript{1}, Moon, L\textsuperscript{2} & Wheat, J\textsuperscript{1} 2005, Gastrointestinal haemorrhage scintigraphy in Australia: acquisition and processing parameters, \textit{ANZ Nucl Med J}, vol. 36, no. 1, pp. 13-18.

• ^Wheat, J\textsuperscript{1}, Currie, G\textsuperscript{1} & Adams, B\textsuperscript{2} 2005, Myocardial perfusion SPECT in Australia: processing parameters, \textit{ANZ Nucl Med J}, vol. 36, no. 2, pp. 63-66.

• ^Wheat, J\textsuperscript{1}, Currie, G\textsuperscript{1} & Adams, B\textsuperscript{2} 2005, Myocardial perfusion SPECT in Australia: acquisition parameters, \textit{ANZ Nucl Med J}, vol. 36, no. 1, pp.19-24.

\textbf{Honours Student Peer Refereed Publications}

• ^Holmes, M\textsuperscript{2}, Wheat, J\textsuperscript{1} & Currie, G\textsuperscript{1} 2007, Cost effectiveness of stress only gated myocardial perfusion SPECT following normal stress scintigraphy findings, \textit{Internet J Health Admin}, (under review).

• Mosley, S\textsuperscript{2} & Currie, G\textsuperscript{1} 2007, Personal dosimeter use in Australian nuclear medicine practice, \textit{Internet J Nucl Med}, (under review).

**Other Publications**

• A Holmes, M2, Wheat, J1 & Currie, G1 2007, Is stress only gated myocardial perfusion SPECT following normal stress scintigraphy findings an viable strategy, *Seasonal RAINS*, vol. 1, no. 2, pp. 8-15.

• Mosley, S2 & Currie, G1 2007, Dose variation with TLD position, *Seasonal RAINS*, vol. 1, no. 2, pp. 18-23.


• B Currie, G1 & Crook, M4 2007, A role for planar image fusion in pheochromocytoma, *Seasonal RAINS*, vol. 1, no. 1, p. 5.

• Currie, G1 & Wheat, J1 2007, Incidental findings on RBC gastrointestinal haemorrhage blood pool scintigraphy, *Seasonal RAINS*, vol. 1, no. 1, pp. 16-20.


• Currie, G 20031, Show me the money, *CELT News*, vol. 4, no. 2, pp. 10-11.

**Invited Speakers**

• Currie, G1 2007, The competitive advantage of Nuclear Medicine, An Evening with the Masters, Latrobe Regional Hospital, Traralgon.

• Currie, G1 2007, The competitive advantage of Nuclear Medicine, Promotion Workshop, Central Gippsland Health Service, Sale.

• A Currie, G1 2006, Current trends in nuclear cardiology, Cardiac and cardiovascular imaging conference, Gold Coast.

• A Wheat, J1 2006, Gated myocardial perfusion techniques, Cardiac and cardiovascular imaging conference, Gold Coast.

**Conferences Presentations**

• Currie, G1 2007, Nuclear Medicine physics 101, ACT Branch of the ANZSNM Annual Continuing Education Conference, November, Wagga Wagga.

• Currie, G1 2007, The threat of nuclear terrorism, ACT Branch of the ANZSNM Annual Continuing Education Conference, November, Wagga Wagga.

• A Wheat, J1 2007, Pitfalls in gated myocardial perfusion SPECT, ACT Branch of the ANZSNM Annual Continuing Education Conference, November, Wagga Wagga.

• Currie, G1, Ayers, M4, Robinson, C4, Pearce, R4, Tually, P4, Crook, M4 & Harrison, N4 2007, A collegial strategic approach to professional isolation as a barrier to continuing professional
development in rural Nuclear Medicine, Presented at the 2007 NSW Rural Allied Health Conference, Dubbo.

- Currie, G¹ & Wheat, J¹ 2007, The role of subtraction scintigraphy in acute LGIH, Presented at the 2007 ANZSNM Annual Scientific Meeting, Adelaide.
- Currie, G¹ & Wheat, J¹ 2007, Cost effectiveness of subtraction imaging in GIT bleeding, Presented at the 2007 ANZSNM Annual Scientific Meeting, Adelaide.
- A Wheat, J¹, Currie, G¹ & Ramsay, B² 2007, A potential error in visual quality control of gated SPECT, Presented at the 2007 ANZSNM Annual Scientific Meeting, Adelaide.
- A Wheat, J¹ & Currie, G¹ 2007, A potential source of false negative finding in gated myocardial perfusion SPECT, Presented at the 2007 ANZSNM Annual Scientific Meeting, Adelaide.
- Currie, G¹ 2006, The role of sequential subtraction scintigraphy in improving diagnostic efficacy in lower gastrointestinal haemorrhage, Biomedical Sciences / Clinical Sciences Postgraduate Conference, Wagga Wagga.
- Currie, G¹, Milligan, W² & Wheat, J¹ 2005, Exceeding the recommended crucible volumes in the Technegas generator, Presented at the 2005 ANZSNM Annual Scientific Meeting, Melbourne.
- A Wheat, J¹ 2005, Reconstruction strategies for gated myocardial perfusion SPECT, School of Clinical Sciences Research Seminar, November.
- Currie, G¹ 2004, The role of sequential subtraction scintigraphy in improving diagnostic efficacy in lower gastrointestinal haemorrhage, Biomedical Sciences / Clinical Sciences Postgraduate Conference, Wagga Wagga.
- Howarth, D¹ 2004, The role of V/Q lung scintigraphy in the diagnosis of pulmonary embolus, ACT Branch ANZSNM meeting/ Continuing education workshop, combined NSW Universities, Canberra, ACT.
- B Howarth, D¹ 2004, The role of scintimammography in breast cancer imaging, ACT Branch ANZSNM meeting/ Continuing education workshop, combined NSW Universities, Canberra, ACT.
- B Howarth, D¹ 2004, The evolving role of scintimammography, IAEA International Oncology Symposium, Porto Allegre, Brazil.
- Howarth, D¹ 2004, Simplifying the diagnostic criterion for V/Q lung scintigraphy, Australian and New Zealand Society of Nuclear Medicine Annual Scientific Meeting, Wellington, New Zealand.
- Howarth, D¹ 2004, The diagnosis of pulmonary embolus using lung scintigraphy: more than 0.5 segment of V/Q mismatch is sufficient, Society of Nuclear Medicine Annual Scientific Meeting, Philadelphia, USA.
- B Howarth, D¹ 2004, The diagnostic benefits of scintimammography and breast MRI for the diagnosis of breast cancer in patients of all ages, Society of Nuclear Medicine Annual Scientific Meeting, Philadelphia, USA.
- Currie, G¹ & Wheat, J¹ 2003, Nuclear Medicine PET Imaging: The Final Frontier, Presented at the ACT Branch of the ANZSNM Continuing Education Workshop, August.
- Currie, G¹, Dixon, C⁴ & Vu, T⁴ 2003, Validation of Normal Ranges for Trapping Index in Thyroid Scintigraphy, Presented at the 2003 ANZSNM Annual Scientific Meeting, Sydney.
• Currie, G¹ & Wheat, J¹ 2003, Patient Education in Nuclear Medicine; Is There a Role for the World Wide Web, Presented at the 2003 ANZSNM Annual Scientific Meeting, Sydney.

• Francis, K³, Bell, D³, McLeod, M³, White, F³, O’Kane, G³, Havelka, J³, McAlpin, S³, Wheat, J¹, Goodwin, D⁴ & Medway, R⁴ 2003, Rural practice as a desired career option for health professionals, 7th National Rural Health Conference, Hobart.

• Howarth, D¹ 2003, The role of V/Q lung scintigraphy in the diagnosis of pulmonary embolus, New Zealand Society of Nuclear Medicine Annual Scientific Meeting, New Plymouth, New Zealand.

• Howarth, D¹ 2003, Interpretation of V/Q lung scintigraphy using Tc-99m Technegas ventilation, New Zealand Society of Nuclear Medicine Annual Scientific Meeting, New Plymouth, New Zealand.

• Howarth, D¹ 2003, Outcome validation of a simple diagnostic criterion for pulmonary embolic disease using V/Q lung scintigraphy incorporating Tc-99m technegas ventilation imaging, Society of Nuclear Medicine Annual Scientific Meeting (Poster), New Orleans, USA.

• Wheat, J¹ & Currie, G¹ 2003, Incidence and Characterisation of Patient Motion in Myocardial Perfusion SPECT Imaging, Presented at the 2003 ANZSNM Annual Scientific Meeting, Sydney.

• Wheat, J¹ & Currie, G¹ 2003, Impact of Patient Motion on Myocardial Perfusion SPECT Diagnostic Integrity, Presented at the 2003 ANZSNM Annual Scientific Meeting, Sydney.

• Wheat, J¹ & Currie, G¹ 2003, Patient Motion in Myocardial Perfusion SPECT, Presented at the ACT Branch of the ANZSNM Continuing Education Workshop, August.

Other Research Presentations


• Currie, G¹ & Wheat, J¹ 2006, Research profile in Nuclear Medicine, Faculty of Health Studies Research Forum, Wagga Wagga, July.

• Howarth, D¹ 2006, The role of nuclear medicine in thyroid disease, Sonic Healthcare Annual Medical Imaging Conference, Newcastle, NSW.

• Wheat, J¹ 2006, Defining the big question: a professional doctorate perspective, CSU Thesis Writing Workshop, November.

• Wheat, J¹ 2005, Balancing a successful research and teaching career at CSU, CSU Tertiary Teaching Colloquium, November.

• Currie, G¹ 2004, Patient education and the WWW; solution, evolution or revolution?, Public lecture, November, Katoomba.

• Currie, G¹ & Wheat, J¹ 2003, Nuclear Medicine PET Imaging: The Final Frontier, Presented at the Riverina Veterinary Association Branch Meeting, July.

Supervised Student Conferences Presentations

• Roy, K² & Lee, M² 2007, Image quality and the elution to elution time, ACT Branch of the ANZSNM Annual Continuing Education Conference, November, Wagga Wagga.

• Hodgkin, T² & Allen, K² 2007, efficacy of gastric empty food labels, ACT Branch of the ANZSNM Annual Continuing Education Conference, November, Wagga Wagga.


• Mosley, S$^2$ 2007, TLD position and dose discrepancy, ACT Branch of the ANZSNM Annual Continuing Education Conference, November, Wagga Wagga.

• Barnes, E$^2$ & Traviss, Z$^2$ 2006, Decision tree analysis for painful bone metastasis palliation, ACT Branch of the ANZSNM Annual Continuing Education Conference, November, Canberra.

• Davey, S$^2$ & White, S$^2$ 2006, Decision tree analysis for breast lymphoscintigraphy injection techniques, ACT Branch of the ANZSNM Annual Continuing Education Conference, November, Canberra.

• Fitzpatrick, R$^2$ & Archibald, K$^2$ 2006, Sedation versus restraint in the paediatric patient, ACT Branch of the ANZSNM Annual Continuing Education Conference, November, Canberra.

• Frecker, S$^2$ & Hector, B$^2$ 2006, Efficacy of gated cardiac blood pool quantitation, ACT Branch of the ANZSNM Annual Continuing Education Conference, November, Canberra.

• King, Z$^2$ & Gosper, R$^2$ 2006, SIR-sphere therapy in colorectal liver metastases, ACT Branch of the ANZSNM Annual Continuing Education Conference, November, Canberra.

• Lindner, J$^2$ & O’Mara, B$^2$ 2006, Clinical efficacy of techniques for parathyroid scintigraphy, ACT Branch of the ANZSNM Annual Continuing Education Conference, November, Canberra.

• Moffat, M$^2$ & Dooner, M$^2$ 2006, SPECT V/Q, ACT Branch of the ANZSNM Annual Continuing Education Conference, November, Canberra.

• Worthington, P$^2$ 2006, The role of technegas in reducing intermediate probability V/Q lung scans, ACT Branch of the ANZSNM Annual Continuing Education Conference, November, Canberra.


• Holness, M$^2$ & O’Brien, J$^2$ 2005, High resolution parallel hole versus pinhole collimation, ACT Branch of the ANZSNM Annual Continuing Education Conference, November, Canberra.

• Hynard, S$^2$ & Frazer, N$^2$ 2005, Posterior 180 versus 360 degree spine SPECT reconstruction, ACT Branch of the ANZSNM Annual Continuing Education Conference, November, Canberra.

• Laney, R$^2$ & Abbott, K$^2$ 2005, 3D SPECT cinematic display: an interpretation dilemma, ACT Branch of the ANZSNM Annual Continuing Education Conference, November, Canberra.

• Poole, N$^2$ 2005, Gated SPECT: 8 versus 16 bin functional parameters, ACT Branch of the ANZSNM Annual Continuing Education Conference, November, Canberra.

• Ramsay, B$^2$ 2005, Motion and gating error detection on raw gated data sets, ACT Branch of the ANZSNM Annual Continuing Education Conference, November, Canberra.

• Skillen, A$^2$ & Haase, M$^2$ 2005, Radiopharmaceutical integrity post dispensing: impact of syringe incubation, ACT Branch of the ANZSNM Annual Continuing Education Conference, November, Canberra.

• Hynard, S$^2$ & Craythorn, B$^2$ 2004, Incidentalomas on bone scintigraphy, ACT Branch of the ANZSNM Annual Continuing Education Conference, August, Canberra.
Dissertation Submission / Examination

- Currie, G\textsuperscript{1}. PhD. The Role of Subtraction Scintigraphy in Improving Diagnostic Efficacy in Lower Gastrointestinal Haemorrhage. 2006.
- Wheat, J\textsuperscript{1}. D HlthSc. Diagnostic efficacy of gated myocardial perfusion SPECT. 2006.
- Mosley, S\textsuperscript{1}. B MedRadSc (Hons Class 2 Division 1). Personal dosimeter use in Australian nuclear medicine practice. 2006.
- Holmes, M\textsuperscript{1}. B MedRadSc (Hons Class 2 Division 1). Cost effectiveness of stress only gated myocardial perfusion SPECT following normal stress scintigraphy findings. 2006.
- Poole, N\textsuperscript{1}. B MedRadSc (Hons Class 1). Gated SPECT: 8 versus 16 bin functional parameters. 2005.

Current Supervision

<table>
<thead>
<tr>
<th>Degree</th>
<th>Principle Supervisor</th>
<th>Co-Supervisor</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>PhD</td>
<td>Janelle Wheat</td>
<td>Geoff Currie</td>
<td>\textsuperscript{B} Improving outcomes for pelvic cancer radiotherapy</td>
</tr>
<tr>
<td>PhD</td>
<td>Janelle Wheat</td>
<td>Geoff Currie</td>
<td>\textsuperscript{B} Ultrasound guided target volume localisation for 'on the fly' volume planning adjustment</td>
</tr>
<tr>
<td>Masters</td>
<td>Geoff Currie</td>
<td>Janelle Wheat</td>
<td>TBA</td>
</tr>
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<td>Masters</td>
<td>Janelle Wheat</td>
<td>Geoff Currie</td>
<td>TBA</td>
</tr>
<tr>
<td>Honours</td>
<td>Geoff Currie</td>
<td>Janelle Wheat</td>
<td>\textsuperscript{A} The use of strong coffee in fasted patients undergoing dipyridamole stress testing to reduce the need for aminophylline reversal and to improve patient compliance with imaging.</td>
</tr>
<tr>
<td>Honours</td>
<td>Janelle Wheat</td>
<td>Geoff Currie</td>
<td>\textsuperscript{A} Prognostic value of aortic calcification detected on BMD.</td>
</tr>
</tbody>
</table>

Grants

Research Support Grant (CSU):

- Cardiovascular Research Group (designated research group). Members include Geoff Currie\textsuperscript{1} & Janelle Wheat\textsuperscript{1}. $89100 over 3 years. 2007.

ARC Development Grants (CSU):

- Simon Clarke\textsuperscript{3}, Geoff Currie\textsuperscript{1}, Suzy Rogiers\textsuperscript{4} & Janelle Wheat\textsuperscript{1}, Scintigraphic evaluation of grape vine physiology. $5000. 2007.

University Competitive Grants:

- Geoff Currie\textsuperscript{1} (CI), Janelle Wheat\textsuperscript{1} & Hosen Kiat\textsuperscript{4}, Introduction of gating errors in myocardial perfusion SPECT: the impact on quantitative values and perfusion integrity. $13396 pending. 2007.

University Small Grants:

- Geoff Currie\textsuperscript{1}, The role of subtraction scintigraphy in improving diagnosis in lower gastrointestinal haemorrhage: clinical trial. $5680. 2005.
• Janelle Wheat¹ & Geoff Currie¹, A pilot study investigating the use of topical wheatgrass extract for decreasing the effects of acute radiation skin toxicity in irradiation of breast cancer patients. $8200. 2004.

Faculty Seed Grants:
• Geoff Currie¹, The role of sequential subtraction scintigraphy in improving diagnosis in lower gastrointestinal haemorrhage. $3058. 2004.

Research Publication Grants:
• Geoff Currie¹, $1197. 2006.
• Janelle Wheat¹, $1407. 2006.
• Geoff Currie¹, $900. 2005.
• Janelle Wheat¹, $600. 2005.

University Research Support Grants:
• Geoff Currie¹, $5000. 2007.
• Janelle Wheat¹, $5000. 2007.

Professional Journal Reviewers
• Currie, G¹ 2006 - ……. Complementary Therapies in Medicine.
• Currie, G¹ 2004 - ……. Journal of Nuclear Medicine Technology.
• Currie, G¹ 2007 - ………. Medical Science Monitor.
• Howarth, D¹ 2003 - ……. Medical Journal of Australia.
• Howarth, D¹ 2003 - ……. Quarterly Journal of Nuclear Medicine.
• Howarth, D¹ 2003 - ……. Cancer.
• Howarth, D¹ 2003 - ……. World Journal of Nuclear Medicine.
• Howarth, D¹ 2003 - ……. Journal of Nuclear Medicine.
• Wheat, J¹ 2007 - ………. Medical Science Monitor.
• ^ Wheat, J¹ 2006. The Anatolian Journal of Cardiology.
• Wheat, J¹ 2004 - ……. Journal of Nuclear Medicine Technology.
Research Prizes / Awards

- Janelle Wheat\(^1\) and Geoff Currie\(^1\) were awarded the Mallinckrodt Nuclear Award for ‘Best Scientific Paper’ in May 2007 for research papers presented at the ANZSNM ASM in Adelaide. Wheat, J\(^1\) & Currie, G\(^1\) 2007, A potential source of false negative finding in gated myocardial perfusion SPECT, Presented at the 2007 ANZSNM Annual Scientific Meeting, Adelaide.


- Elizabeth Barnes\(^2\) and Zoe-Beth Traviss\(^2\) were awarded the Insight Oceania undergraduate research prize (1\(^{st}\) place - 2006) for the best undergraduate research project for their paper entitled “Decision tree analysis for painful bone metastasis palliation”.


- Ben Ramsay\(^2\) was awarded the IMED Network NSW universities undergraduate research prize (1\(^{st}\) place - 2005) for the best undergraduate research project for his paper entitled “Visual Detection of Patient Motion and Gating Errors in Myocardial Perfusion SPECT: Comparing Ungated (Summed) versus Gated Raw Data”.

- Janelle Wheat\(^1\) and Geoff Currie\(^1\) were awarded the Mallinckrodt Nuclear Award for ‘Best Scientific Paper’ in May 2003 for research papers presented at the ANZSNM ASM in Sydney. Wheat, J\(^1\) & Currie, G\(^1\) 2003, Incidence and Characterisation of Patient Motion in Myocardial Perfusion SPECT Imaging, Presented at the 2003 ANZSNM Annual Scientific Meeting, Sydney.

Completed Research Projects – Manuscripts Under Peer Review


- Currie, G\(^1\) & Wheat, J\(^1\) 2008, Small angle gamma ray scatter: what is the impact on image quality, *Clin Nucl Med*, (under review).


- Holmes, M\(^2\), Wheat, J\(^1\) & Currie, G\(^1\) 2007, Cost effectiveness of stress only gated myocardial perfusion SPECT following normal stress scintigraphy findings, *Internet J Health Admin*, (under review).