The Australian & New Zealand Society of Neuroradiology

21-22 March 2015

Program
Welcome

Dear delegates, ANZSNR members and student members,

Welcome to Melbourne for the ANZSNR 2015 Diagnostic Neuroradiology refresher course. We are delighted that you are here, and are sure that you will find this weekend an enjoyable and educational experience.

The 2015 meeting marks a change for ANZSNR. Our traditional annual meeting is a two or three day event with a “scientific” focus - the ANZSNR Annual Scientific Meeting. In 2011 we appended a didactic course to our Canberra ASM, with Ric Harnsberger as key speaker. The course was very popular and well attended, and since then we have been looking to do something similar. Last year the ANZSNR Council resolved to include more ‘educational’ meetings in the ANZSNR Calendar. The ANZSNR 2015 Diagnostic Neuroradiology refresher course is the first of these. Later this year the ANZSNR will host the World Federation of Interventional and Therapeutic Neuroradiology meeting at the Gold Coast Convention Centre (WFITN) and next year we will host an didactic teaching course for Head and Neck Radiology.

In planning this meeting, we had a number of objectives. We wanted to minimise the need for you to take off time from work, and so have confined the meeting to a weekend. We have dropped the usual ‘course dinner’, partly to keep down costs, partly because we felt that you could do much better for your money in this fantastic gastronomic city, and partly to keep the feel of the meeting ‘informal’. We have kept the registration costs very low compared to similar meetings, thanks to our generous sponsors. We have introduced significant discounts for ANZSNR members, because we know that you are interested in neuroradiology and we want to encourage you to remain part of the ANZSNR community beyond this meeting.

We hoped to appeal in particular to radiologists with an interest in diagnostic neuroradiology and registrars in training. We have an outstanding team of ANZ and international presenters. The lecture material is up to date and relevant, and each lecture should highlight a number of useful ‘take home points’. In addition, we have been fortunate to collaborate with the highly popular Radiopaedia team in bringing several case based interactive sessions to the meeting. We have produced an accompanying Radiopaedia/ANZSNR 2015 iOS app just for this meeting, so that you may keep all of the case material for later review.

Finally, my thanks go to Pramit Phal as our principal convenor, ably abetted by Peter Mitchell; thanks to all of our generous sponsors, and thanks to NC Events for organising this meeting.

Prof Alan Coulthard
President, ANZSNR

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ANZSNR 2015 Program

Saturday 21st March, 2015

8.30  Welcome
      Alan Coulthard

8.35 - 9.05  Supratentorial tumours
             Marc Agzarian

9.05 - 9.35  Posterior fossa tumours
             Patricia Desmond

9.35 - 10.05  Pituitary/parasellar region
              Frank Gaillard

10.05 - 10.30  Morning tea

10.30 - 11.00  Extra axial tumours
               Sandeep Bhuta

11.00 - 11.30  The sneaky glioma—important biological aspects and treatment response
               Mike Bynevelt

11.30 - 12.30  Radiopaedia tumour cases
               Frank Gaillard

12.30 - 1.30  Lunch

1.30 - 2.00  An update on Multiple Sclerosis
             Alan Coulthard

2.00 - 2.30  Spinal cord inflammatory diseases
             Pramit Phal

2.30 - 3.00  Spinal vascular disease- important conditions to recognise
             Ronil Chandra

3.00 - 3.20  Afternoon tea

3.20 - 4.00  Spinal tumours—A Radiopaedia case based review
             Pramit Phal
Program cont.

Saturday 21st March, 2015 cont.

4.00 - 4.45  Radiopaedia spine case review
            Christine Goh

4.45        Finish

5.00        ANZSNR AGM (Members only)

Sunday 22nd March, 2015

8.30 - 9.00  An imaging approach to lower back pain
            Vinil Shah

9.00 - 9.30  CT in acute stroke
            Ronil Chandra

9.30 - 10.30 Radiopaedia Cerebrovascular case review
              Peter Mitchell

10.30 - 11.00 Morning Tea

11.00 - 11.30 Brain infection
              Mike Bynevelt

11.30 - 12.00 Spine infection
              Vinil Shah

12.00 - 12.30 A practical approach to Dementia
              Patricia Desmond

12.30 - 1.30  Radiopaedia Dementia and neurodegenerative case review
              Frank Gaillard

1.30 - 2.30  Lunch

2.30pm        Conference concludes
To download the App, search ANZSNR in the iTunes store.

**General Information**

**Meal breaks**
All meal breaks will be held amongst the Industry Display. Please take the time to visit our sponsors.

**Wi-Fi**
Below are the login details for internet access while attending the conference.

   Username: ANZSNR1  
   Password: SHMZ0i

To gain access to the internet, connect to ‘Crown Events and Conferences Wireless Network’. When you begin browsing you will be prompted for the login details above.

**Smoking**
The ANZSNR Conference is a non-smoking event.
Assistant Professor Vinil Shah, MD

Vinil Shah, MD, is an Assistant professor of Clinical Radiology in the Neuroradiology subspecialty in the Department of Radiology and Biomedical Imaging at the University of California, San Francisco. He received his medical degree from the University of Pittsburgh School of Medicine in Pennsylvania and completed a one-year internship at the Memorial Sloan Kettering Cancer Center in New York in 2007. Dr. Shah did his Radiology residency from 2007-2011 at UCSF, serving as chief resident in 2010. From 2011-2013, he completed a clinical fellowship and a Chief fellowship in Neuroradiology at the Massachusetts General Hospital in Boston. From 2013-2014, Dr. Shah was a clinical fellow in Musculoskeletal Imaging and Intervention at the same institution. In August 2014, Dr. Shah accepted the position of Assistant Professor of Clinical Radiology in Neuroradiology at UCSF. Dr. Shah's research interests include studying spinal imaging biomarkers to help guide intervention and assessing clinical outcomes of spine intervention. Dr. Shah is also involved in global health and international outreach efforts and is an active member of the International Collaborations Committee of the ASNR. Other interests include structured reporting, teaching, and radiology curricula development.

Dr Marc Agzarian

Dr Marc Agzarian is Head of Medical Imaging and Head of MRI at Flinders Medical Centre, Adelaide South Australia. His subspecialty interests are diagnostic neuroradiology, MRI physics and magnetic resonance spectroscopy. He conducts the weekly Neurosurgical, Neurology and Stroke multi-disciplinary meetings and introduce CT cerebral perfusion imaging at Flinders Medical Centre. Dr Marc Agzarian has been an examiner in the RANZCR Part 2 viva examinations in Pathology since 2009.

Associate Professor Sandeep Bhuta

Sandeep is a Staff Neuroradiologist at Gold Coast University Hospital and has joint appointment as Associate Professor, at Griffith University, School of Medicine, Gold Coast. He is Director of Research and MR In charge at Gold University Hospital. After finishing his radiology training in Queensland Sandeep went to North America for a 2 year comprehensive Fellowship in Adult and Pediatric Neuroradiology and Head & Neck Imaging at University of Toronto, Canada. He has received numerous research awards at conferences such as the American Academy of Neurology, Chicago in 2007 and RANZCR research awards at annual scientific meetings in 2007 and 2009. He was awarded prestigious Rouse Fellow Award by RANZCR in 2012. He was recipient of Certificate of Merit award at ARRS 2014, San Diego. His major contribution includes establishing Acute Stroke and Multidisciplinary Head and Neck Cancer Services at Gold Coast University Hospital. He has received 2 grants in last 12 months in collaboration with Griffith University. His areas of interest and research are Susceptibility Weighted Imaging, CT Brain Perfusion, and Advanced Tumor Imaging.
Dr Mike Bynevelt

Mike Bynevelt is a Consultant Neuroradiologist working with the Neurological Intervention & Imaging Service of Western Australia, which is an inter-hospital subspecialty diagnostic and therapeutic neuro-imaging group. Graduating from New Zealand in Medicine and Radiology, he undertook fellowship training in diagnostic, interventional and paediatric neuro-imaging in Bristol and London in the United Kingdom. His current practice is based at Sir Charles Gairdner Hospital where he is also Director of the Radiology Department and MRI. His clinical interests include advanced and functional neuro-imaging techniques, neuro-oncology, ophthalmological and neuro - paediatric imaging. He has an appointment at Princess Margaret Hospital for Children and consults also for Envision Medical Imaging. Mike was previously the Director of the State-Wide Radiology Training Program, is a Senior Examiner for the Royal Australian and New Zealand College of Radiologists and is a Clinical Associate Professor, School of Surgery, University of Western Australia. He is the recipient of several teaching awards and has a practice with a strong neuro-oncology emphasis. He is currently involved in numerous research initiatives, particularly in brain tumour, paediatric and neurodegenerative disease.

Associate Professor Ronil V. Chandra

Ronil V. Chandra is an academic Diagnostic and Interventional Neuroradiologist who works as part of a multidisciplinary Neurovascular Surgery service at Monash Health in Melbourne, Australia. He is the Head of Neurovascular Imaging research at Monash Health, and has a joint appointment as Associate Professor in the Department of Medicine and the Department of Surgery at Monash University, Melbourne, Australia. Ronil received his medical training at The University of Melbourne. He trained in Radiology with further fellowship training in diagnostic Neuroradiology at The Royal Melbourne Hospital. He undertook an additional 2-year fellowship in Interventional Neuroradiology at the Massachusetts General Hospital and Harvard Medical School in Boston, United States of America.

Over the last 4 years he has authored over 50 publications and book chapters. His clinical and research interests include imaging and endovascular treatment of both ischaemic and haemorrhagic neurovascular disease.
Faculty

Professor Alan Coulthard

Alan Coulthard graduated from the University of Newcastle upon Tyne, UK. He trained in surgery and then radiology, spending 10 years as Consultant Radiologist and Senior Lecturer in Newcastle, UK before moving to Brisbane in 2003. He is Professor of Neuroradiology at the University of Queensland and a full time diagnostic and interventional neuroradiologist at the Royal Brisbane and Women’s Hospital.

He was involved in many of the early MS treatment trials in the UK and has been involved as an investigator on the Australian multicentre Ausimmune and Auslong studies. His research interests include MS, neurodegenerative disease, brain tumours and neurovascular disease.

Prof Coulthard has been President of ANZSNR since 2012, is a member of RANZCR Faculty Council and is a current neuroradiology/head and neck radiology examiner for the RANZCR Part 2 Exam.

Professor Patricia Desmond

Professor Patricia Desmond is a neuroradiologist with clinical and research expertise in neuroimaging and magnetic resonance imaging. She has particular interests in functional MRI: diffusion, perfusion, activation and spectroscopic techniques.

She has an MSc in Physics at University Melbourne in particle Physics. Her MBBS was followed by subspecialisation in Radiology (FRANZCR). She completed a Research Fellowship at UCSF and upon return in 1991 was appointed to staff position in Department of Radiology at RMH. In 1992 appointed she was appointed as Director of MRI. In 2002 she was instrumental in the development of the Department of Radiology as research site for GE and assisted in development of Brain Imaging Laboratory. In 2003 appointed was Associate Professor University of Melbourne Department of Radiology and in 2007 Edgar Rouse Chair of Radiology, The University of Melbourne and Director of Imaging, The Royal Melbourne Hospital.

She has published 129 peer-reviewed original papers in high quality radiological, neurological, neuroscience, neuropsychology, psychiatric and geriatric journals (h-index of 40, average impact factor of 5.68 from 95 publications and 41 journals).

78 publications from 1995 - 2013 have been cited 5975 times at an average of 52.41 citations per publication with one being cited 562 times and another two cited more than 300 times.

She has a strong track record in MRI research with applications to stroke, epilepsy and dementia and brain tumours.

She has been an invited speaker at 28 National and International Scientific Meetings/Conferences. Competitive peer reviewed funding obtained, including being a CI on NHMRC, grants totalling 3.95m, and CI on a 2010 CRE grant for $2.5M. Collaborative liaisons have been built with the Florey Neurosciences Institute, University of Melbourne Departments of Surgery, Physics and Computer Science, the Melbourne Neuropsychiatry Centre, the Melbourne Brain Centre and the University of Chicago, Illinois.

She serves on numerous of high level Hospital, University and Royal Australian and New Zealand College of Radiology committees.
Faculty

Dr Frank Gaillard

Dr Frank Gaillard graduated from the University of Melbourne medical school in 1998. He trained as a radiologist at the Royal Melbourne Hospital, where he returned as a consultant neuroradiologist after completing two years of neuroradiology fellowship training, and living and working in Canada. In addition to his work as an academic neuroradiologist, with active research interests in neurodegenerative diseases, imaging of CNS tumours and computer aided MRI interpretation, he is also the founder and editor in chief of Radiopaedia.org, the largest collaborative online radiology resource.

Dr Christine Goh

Dr Christine Goh received her medical degree from the University of Western Australia, then moved to Victoria and the Royal Melbourne Hospital where she obtained her general radiology training and in 2010 completed a fellowship in neuroradiology. After undertaking a further fellowship in neuro and musculoskeletal MRI, she has returned to the Royal Melbourne Hospital as a Consultant Radiologist. Her clinical and research interests lie in the areas of neuro-oncology, acute stroke and head & neck imaging.

Associate Professor Peter Mitchell

A/Professor Peter Mitchell is the Director of NeuroIntervention at the Royal Melbourne Hospital, a position he has held since returning from fellowship training in the US in 1993. He is an Associate Professor and supervisor of research students of the University of Melbourne, and Honorary Consultant (NeuroIntervention) to the Royal Children’s Hospital.

A Fellow of the Royal Australian and New Zealand College of Radiologists, Secretary-General of the Australian and New Zealand Society of Neuroradiology, and Member of the Interventional Radiology Society of Australia, World Federation of Interventional and Therapeutic Neuroradiology, and American Society of Neuroradiology.

He introduced a range of new endovascular treatments at the Royal Melbourne, including intracranial aneurysm embolisation with detachable coils in 1995, NBCA and Onyx AVM embolisation, intracranial angioplasty and stenting, direct transorbital endovascular approach to cavernous fistulas, and neonatal Vein of Galen management.

He has been principal investigator on multinational trials, investigator on NHMRC grants, and most recently co-principal investigator on the EXTEND IA trial of endovascular intervention for acute ischaemic stroke published in the NEJM.
Associate Professor Pramit Phal

Pramit Phal is Associate Professor of Radiology at the University of Melbourne, where he co-ordinates Radiology teaching in the MD and MMed courses, and consultant radiologist and director of MRI at The Royal Melbourne Hospital. His subspecialty interests are in neuroradiology and head and neck imaging and has published widely in these areas. His current research is supported by grants from the NHMRC and RANZCR. Associate Professor Phal has been an examiner in the RANZCR Part 2 oral examinations in Neuro/Head and Neck Radiology for the last 5 years.
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Exhibitor Profiles

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