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# Journal of Clinical Case Reports

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**Arun Aggarwal**  
Associate Professor  
The University of Sydney  
Australia



## Introduction

- On behalf of Journal of Clinical Trials, it is my privilege to invite you to contribute to the Journal of Clinical Trials
- The Journal is an excellent opportunity to bring together scientific researchers and health care professional to present their work and share their knowledge
- The Journal caters for a wide variety of disciplines and specialties represented in areas of clinical trials and research
- A number of eminent researchers have published in the Journal to publish their high quality work
- It is only with the support and participation that will make the Journal a success



## PROFILE

- Professor Arun Aggarwal, is a Neurologist and Pain specialist
- He graduated from the University of Adelaide in 1987
- He then went on to specialise in Neurology, Rehabilitation Medicine and Pain Medicine
- He completed his PhD in 2004 in Motor Neuron Disease with his primary paper, “Detection of pre-clinical motor neurone loss in SOD1 mutation carriers using motor unit number estimation” being widely cited in the international literature.
- He has also written 3 book chapters on this subject and has also published widely on a number of different topics
- He currently has a number of research projects in the areas of Chronic Pain and Parkinson’s Disease



## CLINICAL ACTIVITIES

<p><b>2007 - present</b></p>	<p><b>SENIOR STAFF SPECIALIST REHABILITATION and PAIN MEDICINE – Part time 50%</b></p>	<p><b>RPAH Hospital Balmain Hospital</b></p>
<p><b>1998 - present</b></p>	<p>VISITING MEDICAL OFFICER</p> <ul style="list-style-type: none"> <li>• Neurology</li> <li>• Neurology, Rehabilitation and Pain Medicine</li> <li>• Rehabilitation Medicine</li> <li>• Rehabilitation Medicine</li> </ul> <p>PRIVATE PRACTICE NEUROLOGY, NEUROPHYSIOLOGY and PAIN</p>	<p>Concord Hospital Strathfield Private Hospital Metropolitan Rehabilitation Hunters Hill Private</p> <p>49 Palmerston Rd Hornsby 190 Victoria Rd Rozelle</p>
<p><b>2011 – present</b></p>	<p>VISITING MEDICAL OFFICER Neurology, Rehabilitation and Pain Medicine</p>	<p>Mater Hospital</p>



## CLINICAL TRIALS as PRINCIPAL INVESTIGATOR

<b>2010-2011</b>	<ul style="list-style-type: none"> <li>Clinical Study No. (701068-522), Post marketing surveillance study to evaluate the tolerability of Rebif New Formulation in patients with Relapsing Multiple Sclerosis in an Australian clinical setting. (ReNew)</li> <li>Ipsen Upper Limb Spasticity Survey (ULIS II) study</li> <li>Comparison of MMSE and MOCA as a Cognitive Screening Tool in Parkinsons Disease</li> </ul>	<p>Agni Health Centre</p> <p>RPAH Rehabilitation Coffs Harbour PD Clinic</p>
<b>2011-2012</b>	<ul style="list-style-type: none"> <li>Comparison of MMSE and MOCA Cognitive Screening Tools in Inpatient Setting</li> </ul>	Balmain and Metro Rehab Hospitals
<b>2011-2013</b>	<ul style="list-style-type: none"> <li>Use of Dynamic Modified Orthosis (DMO) in the Management of Upper Limb Contractures</li> <li>The Role of Ketamine in Chronic Neuropathic Pain Management</li> </ul>	RPAH Spasticity Clinic RPAH Pain Clinic
<b>2012-present</b>	<ul style="list-style-type: none"> <li>A comparative open label study comparing the efficacy of structured physiotherapy vs non structured physiotherapy in reducing post-stroke spasticity related shoulder pain in patients treated with Botulinum toxin A</li> </ul>	RPAH Spasticity Clinic
<b>2013 – present</b>	<ul style="list-style-type: none"> <li>A Randomized Double-Blind, Placebo Controlled, Multicenter, Phase 3 Study to Evaluate the Cardiovascular Safety of Naldemedine for the Treatment of Opioid-induced Constipation in Subjects with Non-malignant Pain Receiving Opioid Therapy</li> </ul>	RPAH Pain Clinic
<b>2014 - present</b>	<ul style="list-style-type: none"> <li>An International, Multicenter, Observational, Prospective, Longitudinal Cohort Study To Assess The Impact Of Integrated Spasticity Management Including Repeated Bot-A Injections On Patient-Centred Goal Attainment In Adult Subjects Suffering From Upper Limb Spasticity – ULIS III</li> <li>Prevalence of Biochemical and Hormonal Abnormalities in Chronic Pain Patients</li> <li>Efficacy of Sodium Valproate and Pregabalin in Neuropathic Pain</li> <li>The Role of Vitamin B12 in Chronic Pain</li> </ul>	RPAH Spasticity Clinic RPAH Pain Clinic RPAH Pain Clinic RPAH Pain Clinic
<b>Potential</b>	<ul style="list-style-type: none"> <li>A Randomized, Double-Blind, Placebo-Controlled, 13-Week Study Of Ds-5565 For Treatment Of Diabetic Peripheral Neuropathic Pain</li> <li>Open-Label Extension study of DS5565 for 52 Weeks in Diabetic Peripheral Neuropathic Pain</li> <li>Phase IV Clinical Trial in Chronic Low Back Pain PAREXEL # 208057</li> </ul>	RPAH Pain Clinic RPAH Pain Clinic RPAH Pain Clinic



## GRANT and JOURNAL REVIEWS

<b>2002</b>	<ul style="list-style-type: none"> <li>Application of a novel technique for motor unit number estimation using high density surface EMG in ALS and HMSN Ia</li> </ul>	Prinses Beatrix Fonds - Netherlands
<b>2003</b>	<ul style="list-style-type: none"> <li>Randomised controlled trial of the effectiveness of two hand-splinting positions on preventing contracture following stroke</li> </ul>	South Western Sydney Area Health Service
<b>2008</b>	<ul style="list-style-type: none"> <li>Superoxide dismutase in amyotrophic lateral sclerosis patients with D90A mutation</li> </ul>	Brain
<b>2009</b>	<ul style="list-style-type: none"> <li>Hereditary sensory Neuropathy Type I (HSN1) Treatment Pilot study</li> </ul>	Sydney South West Area Health Service
<b>2010</b>	<ul style="list-style-type: none"> <li>A Multi-centre double-blind parallel-group placebo-controlled study of the efficacy and safety of teriflunomide in patients with relapsing multiple sclerosis who are treated with interferon-beta</li> </ul>	Sydney South West Area Health Service
<b>2011</b>	<ul style="list-style-type: none"> <li>Clinical Validity of the Mattis Dementia Raing Scake-2 in Parkinson's disease with MCI and Dementia</li> <li>Differential Motor Neuron Impairment and Axonal Regeneration in Sporadic and FALS with SOD-1 Mutations: Lessons from Neurophysiology</li> </ul>	Journal of Neurological Science JNS-D-11-00226 Int J of Mol Sci
<b>2013</b>	<ul style="list-style-type: none"> <li>Treatment of Metabolic Myopathy by Administration of the Anaplerotic Supplement Triheptanoin</li> <li>Pilot Study of the Treatment of Patients with Sporadic Inclusion Body Myositis with the Anaplerotic Supplement Triheptanoin</li> <li>Pilot Study of the Treatment of Muscle Disorders with wasting and Increased Catabolism with of the Anaplerotic Supplement Triheptanoin</li> <li>Hormonal Effects in Multiple Sclerosis (HEIMS) Study</li> </ul>	Sydney Local Health District Sydney Local Health District Sydney Local Health District Journal of Clinical Trials
<b>2014</b>	<ul style="list-style-type: none"> <li>Single Group Clinical Trial Survey of Calcium Folate</li> <li>Bone Health in FSHD: A cross-sectional study</li> </ul>	Journal of Clinical Trials Sydney Local Health District



## CHAPTERS in BOOKS

1. Motor Unit Number Estimation (MUNE) and Quantitative EMG. Suppl. to Clinical Neurophysiology, Vol 60, M.B. Bromberg (Vol 60 Ed 1) ISBN 978-0-444-52909-1. Chapter 16. Motor unit number estimation in asymptomatic familial amyotrophic lateral sclerosis. 164 – 169. 2009
2. Motor Unit Number Estimation (MUNE) and Quantitative EMG. Suppl. to Clinical Neurophysiology, Vol 60, M.B. Bromberg (Vol 60 Ed 1) ISBN 978-0-444-52909-1. Chapter 17. Detection of pre-clinical motor unit loss in familial amyotrophic lateral sclerosis. 171 – 179. 2009
3. Protection of Motor Neurons in Pre-Symptomatic Individuals Carrying SOD 1 Mutations: Results of Motor Unit Number Estimation (MUNE) Electrophysiology, Amyotrophic Lateral Sclerosis, Martin H. Maurer (Ed.), ISBN: 978-953-307-806-9, Chapter 28, 627-663, 2012. InTech, Available from: <http://www.intechopen.com/articles/show/title/protection-of-motor-neurons-in-3-pre-symptomatic-individual-carrying-sod-1-mutations-results-of-moto>
4. The Role of the Statistical Method of Motor Unit Number Estimation (MUNE) to Assess the Potential Therapeutic Benefits of Riluzole on Patients with Pre-Symptomatic Familial Amyotrophic Lateral Sclerosis. Current Advances in Amyotrophic Lateral Sclerosis, Alvaro Estevez (Ed.). ISBN 978-953-51-1195-5. In-Tech. <http://www.intechopen.com/articles/show/title/the-role-of-the-statistical-method-of-motor-unit-number-estimation-mune-to-assess-the-potential-ther>





## PROFESSIONAL MEMBERSHIPS

- Royal Australasian College of Physicians
- Australasian Faculty of Rehabilitation Medicine (Royal Australasian College of Physicians)
- Faculty of Pain Medicine (Australian and New Zealand College of Anaesthetics)
- Australia & New Zealand Association of Neurologists
- Australian Medical Association
- Australasian Stroke Society
- Epilepsy Society of Australia
- Australian Pain Society
- Movement Disorder Society of NSW
- National Disability Services ANZAN Delegate
- International Association of Pain – Regular Member
- International Society of Physical and Rehabilitation Medicine



## PROFESSIONAL and HOSPITAL COMMITTEES

<b>1999</b>	<ul style="list-style-type: none"> <li>• <b>Combined Rehab Medicine Training Selection Committee</b></li> </ul>	<b>Sydney</b>
<b>2000-2001</b>	<ul style="list-style-type: none"> <li>• Organising Committee Australasian Faculty of Rehabilitation Medicine Annual Scientific Meeting 2001</li> </ul>	Sydney
<b>2001-2002</b>	<ul style="list-style-type: none"> <li>• Organising Committee Australian Pain Society Annual Scientific Meeting 2002</li> </ul>	Sydney
<b>2002-2007</b>	<ul style="list-style-type: none"> <li>• Australasian Faculty of Rehab Medicine Clinical Assessor</li> </ul>	
<b>2005 – 2008</b>	<ul style="list-style-type: none"> <li>• Director of Clinical Training General Clinical Training Committee Medical Staff Council and JRMO Clinical Training Committee</li> </ul>	Balmain Hospital
<b>2000 – present</b>	<ul style="list-style-type: none"> <li>• Special Interest Group in Neurological Rehab Medicine</li> <li>• Neuro-Rehabilitation Sub-Committee of ANZAN</li> </ul>	AFRM ANZAN
<b>2002 – present</b>	<ul style="list-style-type: none"> <li>• Delegate to ACROD / National Disability Services</li> </ul>	ANZAN
<b>2003 – present</b>	<ul style="list-style-type: none"> <li>• Medical Advisory Committee (Chairman 2005 and 2008)</li> </ul>	Metropolitan Rehabilitation
<b>2008 – present</b>	<ul style="list-style-type: none"> <li>• Medical Advisory Committee (Chairman 2010 - 2013)</li> <li>• Medical Advisory Board</li> </ul>	Hunters Hill Private Hospital TN Association Australia (& other Related Facial Pain)
<b>2009 – present</b>	<ul style="list-style-type: none"> <li>• Chairman of Aust &amp; NZ Association of Neurologists Neuro-Rehabilitation Sub-Committee</li> </ul>	ANZAN
<b>2009 – 2012</b>	<ul style="list-style-type: none"> <li>• National Organising Committee World Congress of Neuro-Rehabilitation 2012</li> </ul>	Melbourne
<b>2013</b>	<ul style="list-style-type: none"> <li>• Alliance for Improving the Management of Pain Specialist Steering Committee</li> <li>• Pfizer Advisory Board</li> </ul>	AIM Meeting – Sydney  Pfizer
<b>2014</b>	<ul style="list-style-type: none"> <li>• Pfizer Seizure Advisory Board</li> <li>• Alliance for Improving the Management of Pain Specialist Steering Committee</li> <li>• International Conference on Clinical Trials 2015 Organising Committee</li> </ul>	Pfizer AIM Meeting – Melbourne Florida, USA



## UNDERGRADUATE and POSTGRADUATE TEACHING

<b>2007</b>	<ul style="list-style-type: none"> <li>• Supervision and Teaching of AFRM Registrars</li> <li>• Clinical Assessor</li> <li>• Principles of Rehabilitation Lecture</li> </ul>	<p>Balmain &amp; Metropolitan Hospitals AFRM Central Clinical School Medicine 3</p>
<b>2008</b>	<ul style="list-style-type: none"> <li>• Supervision and Teaching of AFRM Registrars</li> <li>• Management of Parkinsons Disease Lecture</li> <li>• Principles of Rehabilitation Lecture</li> </ul>	<p>Balmain &amp; Metropolitan Hospital AFRM Registrar Teaching, Sydney Central Clinical School Medicine 3</p>
<b>2009</b>	<ul style="list-style-type: none"> <li>• Supervision and Teaching of AFRM Registrars</li> <li>• Neurosciences Clinical Tutor 9 x 1.5 hr tutor</li> <li>• Research Supervision – “Falls in Parkinson’s Disease”</li> <li>• Management of Neuropathic Pain and Assessment of Chronic Pain</li> <li>• Updates on Neuropathic Pain</li> </ul>	<p>Metropolitan Hospital Uni of Sydney Medicine 2 GMP 4<sup>th</sup> Year Uni of NSW Medical Student Combined NSW &amp; AFRM Bi-National Training Program, Syd AFRM Registrar Meeting</p>
<b>2010</b>	<ul style="list-style-type: none"> <li>• Supervision and Teaching of AFRM Registrars</li> <li>• Neurosciences Clinical Tutor 9 x 1.5 hr tutor</li> <li>• Supervision of IPSEN Spasticity Fellow</li> </ul>	<p>Balmain &amp; Metropolitan Hospital Uni of Sydney Medicine II GMP RPAH</p>
<b>2011</b>	<ul style="list-style-type: none"> <li>• Supervision and Teaching of AFRM Registrars</li> <li>• Neurosciences Clinical Tutor 9 x 1.5 hr tutor</li> <li>• Principles of Electrophysiology</li> <li>• Assessment and Management of Parkinson’s Disease</li> </ul>	<p>Balmain &amp; Metropolitan Hospital Univ of Sydney Medicine II GMP AFRM Registrar Workshop, Syd Combined NSW &amp; AFRM Bi-National Training Program, Syd</p>
<b>2012</b>	<ul style="list-style-type: none"> <li>• Supervision and Teaching of AFRM Registrars</li> <li>• Neurosciences Clinical Tutor 9 x 1.5 hr tutor</li> <li>• Supervision of IPSEN Spasticity Fellow</li> </ul>	<p>Balmain &amp; Metropolitan Hospital Uni of Sydney Medicine II GMP RPAH</p>
<b>2013</b>	<ul style="list-style-type: none"> <li>• Supervision and Teaching of AFRM Registrars</li> <li>• Supervision of IPSEN Spasticity Fellow</li> </ul>	<p>Balmain &amp; Metropolitan Hospital RPAH</p>
<b>2014</b>	<ul style="list-style-type: none"> <li>• Supervision and Teaching of AFRM Registrars</li> <li>• Supervision of IPSEN Spasticity Fellow</li> <li>• Neurosciences Clinical Tutor 9 x 1.5 hr tutor</li> </ul>	<p>Balmain &amp; Metropolitan Hospital RPAH Uni of Sydney Medicine II GMP</p>



# PROFESSIONAL TEACHING COMMITMENTS



<p><b>2011</b></p>	<ul style="list-style-type: none"> <li>Stroke Management</li> <li>Bones, Groans &amp; Getting Better</li> <li>Reducing the Burden of Persistent Pain</li> <li>Dangers of a Popular Alternative Therapy</li> <li>Introducing TARGIN: Evidence and Efficacy</li> <li>Post-Stroke Pain</li> <li>Trigeminal Neuralgia Update 2011</li> <li>Update on Parkinson's Disease</li> <li>Epilepsy Case Report</li> </ul>	<p>Metro Rehab Nursing            Hunters Hill Private GP            Hornsby GP Pain Workshop            RPAH Grand Rounds            Coffs Harbour Local Specialist            Stroke Recovery Assoc. NSW            RPAH Pain Management            Central Sydney GP Workshop            Neurology Educate Workshop</p>
<p><b>2012</b></p>	<ul style="list-style-type: none"> <li>Chronic Pain Management in General Practice</li> <li>Chronic Pain Management in Regional Areas</li> <li>Management of Chronic pain</li> <li>Co-Morbidities of Trigeminal Neuralgia</li> <li>Updates of Medical Management of TN</li> <li>Pain in Practice – Neuropathic Pain</li> <li>Rehab Seminar - Pain Management</li> <li>Chronic Pain Management</li> <li>Neuropathic Pain Management</li> <li>Essential Considerations in Chronic Pain Management                Managing Moderate-Severe Chronic Pain</li> <li>Complex Spasticity Case Studies</li> <li>Essentials of Chronic Pain Management</li> </ul>	<p>Western Sydney GP Launch            Mid North Coast Specialist Launch Upper            North Shore GP            TNA Regional Conf. Adelaide            TNA Regional Conf. Adelaide            Inner City GP Module            Hunters Hill Private Education            Upper North Shore GP Launch            Neurology/ Neurosurg. Mater            CME Weekend Western Plains Zoo            Dubbo</p> <p>Spasticity SIG Meeting            Western Sydney GP Meeting</p>
<p><b>2013</b></p>	<ul style="list-style-type: none"> <li>Chronic Pain Management - Essentials</li> <li>Parkinsons Disease Update</li> <li>Essentials of Chronic Pain Management</li> <li>Quality Use of Pharmacotherapies in Chronic Pain</li> <li>Chronic Low Back Pain: Assess and Manage</li> <li>Renal disorders and other Considerations in Management of Chronic Pain</li> </ul>	<p>Upper North Shore GP            Inner West GP Sydney            Western Sydney GP Meeting            Hills District GP Network            Upper North Shore GP Meeting            Inner West GP Network</p>
<p><b>2014</b></p>	<ul style="list-style-type: none"> <li>The Multi-disciplinary Approach in Stroke Management</li> <li>Pearls of Parkinson's Disease</li> <li>Multi-disciplinary Approach in the Management of Stroke</li> <li>Chronic Pain Clinical Update – PALEXIA SR</li> <li>Parkinson's Disease and Motor Neurone Disease Update</li> </ul>	<p>Medicare Local Inner West Sydney            North Coast NSW Medicare Local            Rural Doctors Network Outreach            Upper North Shore GP            AFRM Registrar Teaching</p>



**ORIGINAL ARTICLES in PEER – REVIEWED JOURNAL**

<b>A. Aggarwal, JE Marosszeky</b>	<b>Ankylosing Spondylitis</b>	<b>Med J Aust. June 1994; 160 (11): 734-35</b>
<b>A. Aggarwal, J Gurka</b>	Probable Ciprofloxacin Induced Cholestasis	Aust & NZ Journal of Med. Oct 1995; 25 (5): 541-42
<b>A. Aggarwal, D Williams</b>	Opsoclonus as a Paraneoplastic Manifestation of Pancreatic Carcinoma	J of Neurology, Neurosurgery & Psych. Nov 1997; 63 (5): 687-88
<b>A. Aggarwal, K Burton</b>	Cervical Root Injury Caused By Extracranial Vertebral Artery Dissection	J Clinical Neuroscience. March 1999; 6(2):166-168
<b>A. Aggarwal, A Corbett, J Graham</b>	Symptomatic Colloid Cyst of the Third Ventricle Occurring in Mother and Son	J Clinical Neuroscience. November 1999; 6(6):520-522.
<b>A. Aggarwal, A Corbett</b>	Myopathy Due to Primary Systemic Amyloidosis	J of Neurology, Neurosurgery & Psychiatry. March 2000; 68(3): 385
<b>A. Aggarwal, G.A. Nicholson</b>	Normal Complement of Motor Units in Asymptomatic Familial (SOD1 mutation) Amyotrophic Lateral Sclerosis Carriers	J of Neurology, Neurosurgery & Psychiatry. October 2001; 71(4):478-481
<b>A. Aggarwal, MJ Ling, JGL Morris</b>	Dopa-Responsive Parkinsonism Secondary to Right Temporal Lobe Haemorrhage	Movement Disorders. April 2002; 17(2): 402-404.
<b>A. Aggarwal, G Nicholson</b>	Detection Of Pre-Clinical Motor Neurone Loss In SOD1 Mutation Carriers Using Motor Unit Number Estimation	J of Neurology, Neurosurgery & Psychiatry Aug 2002; 73(2): 199-201
<b>M. Walker, A. Aggarwal</b>	Nerve Conduction Studies and Electromyography	Australian Doctor. Apr 2003: 32
<b>A. Aggarwal, G. Nicholson</b>	Penetrance of 3 Different Superoxide Dimutase 1 (SOD1) Mutations: glu100gly, ile113thr and val148gly	Int J of Neuroscience. Aug 2005.
<b>O.A. Ali, A. Aggarwal, G. Thanakrishnan, H.C. Lowe</b>	Thoracic Spinal Cord Ischemia Following Acute Myocardial Infarction and Cardiac Arrest in a Young Male	Heart Lung Circ. Feb 2006; 15 (1): 53-5
<b>B. Dawson, E.J. Favaloro, J. Taylor, A. Aggarwal</b>	Unrecognized Pellagra Masquerading as Odynophagia	Int Med Journal. Jul 2006; 36 (7): 472-474



## ORIGINAL ARTICLES in PEER –REVIEWED JOURNAL



<b>A. Aggarwal, E. Kean</b>	<b>Comparison of the Folstein Mini Mental State Examination (MMSE) to the Montreal Cognitive Assessment (MoCA) as a Cognitive Screening Tool in an Inpatient Rehabilitation Setting</b>	<b>Neurosciences &amp; Med. Dec 2010; 1 (2): 34-38</b>
<b>A. Aggarwal</b>	Handgrip maximal voluntary isometric contraction does not correlate with thenar motor unit number estimation	Neurology Research International. May 2012 (187947): 1-5
<b>A. Aggarwal</b>	Pre-symptomatic Motor Unit Loss in Familial Amyotrophic Lateral Sclerosis - An Ongoing Longitudinal Study	Journal of Neurodegeneration & Regeneration May 2012
<b>A. Aggarwal, I. Wood</b>	Low Vitamin B12 Syndrome in Trigeminal Neuralgia	Journal of Pain & Relief July 2012; 1(5): 1-5
<b>B. Philip, S. Limaye, G. Thanakrishnan, A. Aggarwal</b>	Posterior Reversible Encephalopathy Syndrome (PRES) as an Initial Presentation of Systemic Lupus Erythematosus (SLE)	Journal of Clinical Case Reports Jun 2012; 2 (9): 1-3
<b>B. Taboosh, A. Aggarwal</b>	Quadraparesis following Chiropractic Manipulation: A Case Report	Journal of Clinical Case Reports Aug 2012; 2: 165-167
<b>A. Aggarwal, M. Bernadi, L. Wright</b>	Cognitive screening tool in Parkinson's disease: Mini Mental State Examination (MMSE) versus Montreal Cognitive Assessment (MoCA)	Journal of Alzheimer's Oct 2012 Vol 1 Issue 5: 279-283
<b>M. Bernadi, L. Wright, A. Aggarwal</b>	Mild Cognitive Impairment is Underrecognised in Newly Referred Patients with Parkinson's Disease: Mini Mental State Examination (MMSE) versus Montreal Cognitive Assessment (MoCA)	Journal of Parkinson's Disease Oct 2012: 280-285
<b>A. Aggarwal</b>	Challenges of Pain Medicine: The Stigma Associated with Using Tri-Cyclic Anti-Depressants – It's not all in the Mind	J of Clinical Trials Dec 12
<b>R. Bhandari, A. Aggarwal</b>	Pharmacotherapy in Patients with Drug –Induced Parkinsonism: A Case Series	International Neuropsychiatric Disease Journal Jan 2014: 2 (3)
<b>R. Bonello, M. Cohen, J. Reece A. Agarwal, C. Rigney</b>	A Post-Market Surveillance Study on ENAR Therapy	Evidence-Based Complementary and Alternative Medicine Journal Vol 2014 / 341256



# INVITED SPEAKER & RESEARCH CONFERENCES and WORKSHOPS

2009	<ul style="list-style-type: none"> <li>• So I Have TN - What Now?</li> <li>• Differential Diagnosis of Facial Pain</li> <li>• Panel Member – HEY DOC!</li> </ul>	<p>Trigeminal Neuralgia Association 3<sup>rd</sup> National Conference Yarra Valley</p>
2010	<ul style="list-style-type: none"> <li>• Differential Diagnosis of Facial Pain</li> <li>• Diagnosis and Medical Management of TN</li> </ul>	<p>Trigeminal Neuralgia Association Hobart Support Group</p>
2011	<ul style="list-style-type: none"> <li>• The Therapeutic Benefits of Riluzole in the Presence of Pre-symptomatic Motor Unit Loss in FALS</li> <li>• Headache &amp; Migraine Medical Management of Trigeminal Neuralgia Hey Doc! What? Why? and How?</li> </ul>	<p>EPS International Forum of Neuroscience Nanjing, China Trigeminal Neuralgia Association 4<sup>th</sup> National Conference Hunter Valley</p>
2012	<ul style="list-style-type: none"> <li>• Protection of Motor Neurons in Pre-Symptomatic Individuals Carrying SOD 1 Mutations: MUNE</li> <li>• Chronic Pain Management</li> </ul>	<p>3<sup>rd</sup> World Congress of NeuroTalk 2012, Beijing, China Kuala Lumpur and Penang</p>
2013	<ul style="list-style-type: none"> <li>• The Use of Riluzole in Pre-Symptomatic FALS</li> <li>• Integrating Agonist and Antagonists in Pain Management</li> <li>• Sub-Anaesthetic IV Ketamine: Effectiveness in Chronic Pain Management</li> <li>• The Role of Rehab in Cancer Care</li> <li>• Opioids for Acute Pain in Post-operative Pain</li> <li>• The Role of Opioids in Rehabilitation Settings</li> <li>• Headaches: Cluster Headache, SUNA &amp; SUNCT? Medical Management of TN Panel Member – HEY DOC!</li> </ul>	<p>2013 Asian Clinical Congress, Bangkok Kuala Lumpur (KL Hilton &amp; SIME Darby SJ) 4<sup>th</sup> World Congress of NeuroTalk 2013, Xian, China Supportive Care in Oncology (SCORE) – Kuala Lumpur University Hospital, Cheras, KL Rehab Hospital, Cheras, KL Trigeminal Neuralgia Association 5<sup>th</sup> National Conference, Gold Coast</p>
2014	<ul style="list-style-type: none"> <li>• Neuropathic pain – Case based workshop</li> <li>• Targeting Multiple Mechanisms in the Treatment of Chronic Pain</li> </ul>	<p>Alliance for Improving the Management of Pain 2014 – Sydney Australian College of Nurse Practitioners 2014 Breakfast session</p>



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