



CURRICULUM VITAE
OF
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MBBCH, FRCA, FFPMRCA, FANZCA, FFPMANZCA

Pain Medicine Specialist Physician, Medical Director, Co-founder
Pain Specialists Australia

Pain Medicine Specialist Physician
Epworth Hospital, Ramsay Hospitals

President
Neuromodulation Society Australia & New Zealand (NSANZ)

Adjunct Senior Lecturer
Monash University

MELBOURNE, Australia

TABLE OF CONTENTS

CURRENT PROFESSIONAL APPOINTMENTS	3
PERSONAL STATEMENT	3
PROFILE.....	3
PREVIOUS APPOINTMENTS.....	4
EDUCATION & QUALIFICATIONS	6
PROFESSIONAL QUALIFICATIONS	6
OTHER PROFESSIONAL EXAMINATIONS	6
SPECIALIST REGISTER & MEDICAL BOARD REGISTRATION	6
PROFESSIONAL MEMBERSHIPS	6
MEDICAL INDEMNITY.....	6
AWARDS	6
MEDICAL SCHOOL	6
SECONDARY EDUCATION.....	6
PUBLICATIONS, RESEARCH, PROTOCOLS, AUDITS	8
REVIEWER FOR PEER REVIEWED JOURNALS	8
CURRENT RESEARCH.....	8
PUBLICATIONS – PEER REVIEWED JOURNALS.....	8
BOOK CHAPTERS	8
SHORT COMMUNICATIONS	8
PROTOCOLS / GUIDELINES	9
AUDIT	9
PRESENTATIONS.....	10
ORAL PRESENTATIONS	10
POSTER PRESENTATIONS	10
OTHER	11
CONTINUING PROFESSIONAL DEVELOPMENT (CPD).....	11
ANZCA CPD PROGRAM	11
CONFERENCES.....	11
COURSES / SEMINARS.....	12
RESUSCITATION	13

CURRENT PROFESSIONAL APPOINTMENTS

Pain Specialist Physician and Medical Director – Pain Specialists Australia
April 18 to Date

Procedures Clinical Care Standard Working Group (PCCSWG) – Faculty of Pain Medicine of the
Australian and New Zealand College of Anaesthetists
Sept 12 to – April 18

President and executive board member – Neuromodulation Society of Australia and New Zealand
(NSANZ)
2019 to Date

VMO Pain Specialist Physician – The Ramsay Hospitals Group

VMO Pain Specialist Physician – The Epworth Hospitals Group
Sept 12 to Date

Adjunct Senior Lecturer – Monash University
2011 to Date

PERSONAL STATEMENT

Developing a world-class pain-management clinic that works successful and efficiently in providing pain sufferers with effective pain relief – that is success to me.

The clinic must encompass a truly caring team that focuses on holistic complete multidisciplinary medical care but also uses advanced and cutting-edge pain reduction techniques and technology where appropriate.

PROFILE

- Pain medicine specialist physician
- Interventional pain specialist
- Medical leader
- Lecturer
- Researcher

PREVIOUS APPOINTMENTS

Medical Director – Victoria Pain Specialists

Sept 12 – Apr 18

Chair, Local Organising Committee, International Neuromodulation Society (INS) World Congress 2019

2018 – 2019

Secretary Neuromodulation Society of Australia and New Zealand (NSANZ)

2015 – 2019

VMO in Anaesthesia & Pain Medicine

May 14 – Nov 16 The Alfred Hospital, Melbourne, Australia

Staff consultant in Anaesthesia and Pain Medicine

Head of Pain Services

April 09 – May 2014 The Alfred Hospital, Melbourne, Australia

Full-time locum staff consultant in Anaesthesia and Pain Medicine

Feb 08 – Mar 09 Chelsea and Westminster Hospital Foundation Trust, London, UK

May 06 – Nov 06 Chelsea and Westminster Hospital Foundation Trust, London, UK

Post Certificate of Completion of Training – Provisional Fellow Anaesthesia

Feb 07 – Feb 08 The Alfred Hospital, Melbourne, Australia

Advanced Training in Pain Medicine

Aug 04 – Aug 05 St Mary's Hospital, London

Imperial School of Anaesthesia Specialist Registrar Training Program

Feb 06 – April 06 National Hospital for Neurology & Neurosurgery, London

Aug 05 – Feb 06 Royal Marsden Hospital, London

May 04 – July 04 St Mary's Hospital Intensive Care Unit, London

Nov 03 – April 04 Northwick Park & St Marks Hospital, London

May 03 – Oct 03 Charing Cross Hospital, London

East London School of Anaesthesia Specialist Registrar Training Program

Mar 03 – April 03 St Bartholomew's Hospital, London

Dec 02 – Feb 03 London Chest Hospital, London

Mar 02 – Nov 02 Royal London Hospital, London

Mar 01 – Feb 02 Homerton University Hospital, London

Senior House Officer Anaesthesia

Nov 98 – Feb 01 Ealing, Homerton and Royal London Hospitals, London

Other Medical Appointments

Sept 00 – Dec 00 SHO Neonatal Intensive Care, Royal London Hospital

May 98 – Oct 98 SHO Accident & Emergency, St Georges Hospital

Nov 97 – April 98 Locum SHO Psychiatry, St Ann's Hospital

Sept 97 – April 98 Locum SHO General Medicine Queen Mary's Hospital

June 97 – Aug 97 SHO Accident & Emergency Queen Mary's Hospital

Feb 97 – April 97 SHO Adult Psychiatry Church Hill Hospital

Jan 96 – Jan 97

Intern – Trauma, Orthopaedics, General surgery, Anaesthesia, Internal Medicine
Chris Hani Baragwanath Hospital, Soweto, Johannesburg

EDUCATION & QUALIFICATIONS

PROFESSIONAL QUALIFICATIONS

- 2011 Fellow of the Australian and New Zealand College of Anaesthetists
FFPMANZCA (with Merit)
- 2009 Fellow of the Australian and New Zealand College of Anaesthetists
FANZCA
- 2008 Fellow of Faculty of Pain Medicine of The Royal College of Anaesthetists
FFPMRCA
- 2002 Fellow of The Royal College of Anaesthetists
FRCA
- 1995 Bachelor of Medicine and Surgery
MBBCh

OTHER PROFESSIONAL EXAMINATIONS

- 1998 Member of The Royal College of Physicians (MRCP) Part 1
United States Medical License Examinations (USMLE):
- 1998 STEP 3 – Connecticut, United States of America
- 1996 STEP 2 – Johannesburg, South Africa
- 1996 STEP 1 – Johannesburg, South Africa

SPECIALIST REGISTER & MEDICAL BOARD REGISTRATION

- | | |
|-----------------------------|---------|
| Medical Board of Australia | 1215913 |
| General Medical Council, UK | 4291152 |

PROFESSIONAL MEMBERSHIPS

- | | |
|---|--------|
| Australian and New Zealand College of Anaesthetists | 39588 |
| Royal College of Anaesthetists | 589464 |
| International Neuromodulation Society (INS) | |

MEDICAL INDEMNITY

- | | |
|---|-----------|
| Medical Indemnity Protection Society (MIPS) | 900026315 |
|---|-----------|

AWARDS

- 2012 Alfred Health - Most Supportive Mentor
- 1993 Highest Marks Medical Biochemistry
- 1993 Viva for Prize for Haematology and Medical Genetics
- 1993 Viva for Prize for Microbiology
- 1990 Certificate of Merit General and Medical Physics

MEDICAL SCHOOL

- 1990 – 1996 University of Witwatersrand Medical School, South Africa

SECONDARY EDUCATION

- 1985 – 1989 Germiston High School, Johannesburg, South Africa

PAIN MEDICINE SPECIALIST PHYSICIAN

I am the co-founder and director of a large multidisciplinary, interventional private pain clinic with tier 1 accreditation for pain-medicine training.

I am a director and co-founder of a large multidisciplinary, interventional pain clinic in Melbourne. I hold two specialist medical qualifications in pain medicine: one from the Faculty of Pain Medicine of the Australian and New Zealand College of Anaesthetists, and the other, from the Faculty of Pain Medicine of the Royal College of Anaesthetists in London (UK).

I took the long way to Melbourne, first doing my medical training in South Africa, before moving to the United Kingdom, where I completed specialist training in pain medicine and anaesthesia at London's Imperial School of Anaesthesia. I worked as an interventional pain consultant and anaesthetist at The Chelsea & Westminster Hospital in before moving to Melbourne in 2009 to take up appointments as Consultant in Pain Medicine, Head of Pain Service, and Anaesthetist at The Alfred Hospital.

I now practice 100% within the field of pain medicine and interventional pain management combining a multidisciplinary team approach with advanced pain interventional techniques like nerve and joint blocks, epidural injections, radiofrequency ablation, pulsed radiofrequency, spinal cord stimulation and other advanced neuromodulation techniques.

I serve on the executive board of the Neuromodulation Society of Australia and New Zealand (NSANZ).

Areas of expertise include managing back pain, neuropathic pain, lumbar radicular pain and sciatica, neck, shoulder and arm pain, facial pains/headaches, trigeminal neuralgia, CRPS, male and female pelvic pain, post-surgical neuropathic pain syndromes like post laminectomy pain, FBSS, ilioinguinal pain, thoracic pain.

Pain Specialists Australia and Victoria Pain Specialists were founded on the single belief that no one should suffer from pain. This is done using a multidisciplinary team of pain experts that include, physiotherapists, occupational therapists, psychologists, nurses and pain specialist physicians.

www.painspecialistsaustralia.com.au

PUBLICATIONS, RESEARCH, PROTOCOLS, AUDITS

Research harnesses human curiosity, with the aim of driving clinical practice and improving patient care. I plan to have one or more clinical research projects in progress at any one time. This will allow me to develop professionally and to provide the high quality, evidence-based patient care.

REVIEWER FOR PEER REVIEWED JOURNALS

- British Journal of Anaesthesia (BJA)
- Pain Management Today

CURRENT RESEARCH

- Critique of 'Failed Back Surgery Syndrome' – manuscript in preparation

PUBLICATIONS – PEER REVIEWED JOURNALS

- Bui T; Grygiel R; Konstantatos A; **Christelis N**; Liew S; Hopkins R; Dooley M. The impact of an innovative pharmacist-led inpatient opioid de-escalation intervention in post-operative orthopedic patients. *Journal of Opioid Management* 2019; 15: 6
- **Christelis N**. Sciatica: How to assess it, what to say and when to worry. *Pain Management Today* 2017; 4(2): 18-22
- **Christelis N**, Wallace S, Sage CE, Babitu U, Liew S, Dugal J, Nyulasi I, Mutalima N, Tran T, Myles PS. An enhanced recovery after surgery program for hip and knee arthroplasty. *Med J Aust.* 2015 Apr 20;202(7):363-8.
- Fowler S, **Christelis N**. High volume local infiltration analgesia compared to peripheral nerve block for hip and knee arthroplasty-what is the evidence? *Anaesth Intensive Care.* 2013 Jul;41(4):458-62.
- Holmes, A, **Christelis N**, Arnold CA. Depression and chronic pain. *MJA Open* 2012; 1 Suppl 4: 17-20.
- Mahara PD, Wasiak J, O'Loughlin, CJ **Christelis N**, Arnold CA, Spinks AB Danilla S. Frequency and use of pain assessment tools implemented in randomized controlled trials in the adult burns population: A systematic review. *Burns.* 2012;38:147-54
- Myles, PS. **Christelis, ND**. Measuring pain and analgesic response. *European Journal of Anaesthesiology.* *European Journal of Anaesthesiology* 2011, 28:399-400
- Gifford, C, **Christelis, N**. Preventing Postoperative Infection – The Anaesthetist's Role *Contin Educ Anaesth Crit Care Pain* (2011) 11(5): 151-156
- Sabharwal, A, **Christelis, N**. Anaesthesia for Bariatric Surgery. *Contin Educ Anaesth Crit Care Pain* (2010) 10(4): 99-10.
- **Christelis, N**, Harrad J, Howell PR. A comparison of epidural ropivacaine 0.75% and bupivacaine 0.5% with fentanyl for elective Caesarean section. *Int J of Obstet Anaesth* 2005: 14: 212 – 218

BOOK CHAPTERS

- Mittal M, **Christelis N**, Lindholm D. Chapter 28 Opioids and opioid addiction. In *Perioperative Medicine for the Junior Clinician*. Joel Symons, Paul Myles, Rishi Mehra, Christine Ball October 2015, ©2015, Wiley-Blackwell
- **Christelis N**, J Filshie. Other Therapeutic Interventions. In *Oxford Pain Management Library – Cancer Related Breakthrough Pain*. Edited by Dr A Davies. 2006: pp 97 – 110. This was an **invited contribution**.

SHORT COMMUNICATIONS

- **Christelis N**, Sabharwal A. Reply from the authors *Contin Educ Anaesth Crit Care Pain* (2011) 11(3): 109-110

- **Thompson EGE, Christelis ND.** A reply to article entitled “There is no risk without people” in The Royal College of Anaesthetists September 08 Bullentin. Published on-line RCA Letters to the Editor Rapid Response Section
- **Christelis ND, Doolan GK.** Complete airway obstruction caused by cuff herniation of an overused laryngeal mask airway. *Anaesth Intensive Care* 2008; 36: 274 – 275
- **Christelis ND.** RE: Our Secrets Out! Letter to The Editor. *Bulletin of The Royal College of Anaesthetists* 2007; 46: 2366

PROTOCOLS / GUIDELINES

1. **Pain Specialists Australia** – multiple patient care pathways in development 2018
2. **Surgical Antibiotics Prophylaxis**, The Alfred Hospital 2011.
3. **Intrathecal morphine**, The Alfred Hospital, 2010
4. **Acute Pain Analgesia**, The Alfred Hospital, 2009
5. **Pre-operative investigations**, Chelsea and Westminster Hospital Pre-Assessment Clinic, 2008
6. **Pain management for the patient receiving buprenorphine therapy**, The Alfred Hospital, 2007
7. **Filters for spinal anaesthesia**, The Alfred Hospital, 2007

AUDIT

1. **Pain Specialists Australia** – multiple patient care pathways audits underway 2019
2. As Head of the Alfred’s Pain Service, I over saw a number of Quality Assurance audits – including iPad data entry, hospital codeine use, opioids use in trauma patients
3. **Audit of first 30 patients to receive intrathecal morphine (ITM)**
The Alfred Hospital 2010
4. **Survey defining incidence of persistent pain in patients discharged from Acute Pain Service.** The Alfred Hospital, 2007
5. **Efficacy of analgesia in Palliative Care.** St Mary’s Hospital, 2004
6. **Analgesic efficacy of single session acupuncture in palliative care.** St Mary’s Hospital, 2004
7. **Time from decision to incision for emergency Caesarean section.** Homerton Hospital, 2001
8. **Assessment of the knowledge of the Patient at Risk Team.** Ealing Hospital, 1999

PRESENTATIONS

ORAL PRESENTATIONS

1. **Opioids – tips for safe weaning** – Ramsay GP Education Session
2. **Multidisciplinary pain management** – Warringal Private Hospital GP Education – 2019
3. **Mastering the art of neuromodulation** – Faculty of Pain Medicine Annual Scientific Meeting – Kuala Lumpur – 2019
4. **Pain management for persistent post spinal surgery syndrome** – Spine and spine disorders Neurosciences Clinical Institute – Epworth Healthcare – 2019
5. **Understanding and approaching pain** – Trigeminal Neurosurgical Association of Australia 7th National Conference – 2018
6. **Neuromodulation** – Trigeminal Neurosurgical Association of Australia 7th National Conference – 2018
7. **Chronic back pain: the case for non-interventions and neuromodulation** – Neurosurgical Society of Australasia Spinal Surgery Training Seminar – 2018
8. **Pain and the hip** – ISHA annual conference – Melbourne – 2018
9. **Other sources of groin pain** – ISHA annual conference – Melbourne - 2018
10. Primary FANZCA part 1 fulltime course – pain – June 2018
11. **Back pain – what to do today?** – Epworth Bendigo – October 2018
12. **Updates on neuromodulation** – Epworth Grand Round – August 2018
13. RACGP – General Practice in Addiction Conference 2018 - #GPADD2018
14. **Pain interventions for the fellowship examination** – Pain Specialists Australia Fellowship Exam Evening – 2018
15. **Why is chronic pain so scary?** – 2018 National Myotheapy Conference
16. **How to go about getting training you need** – NSANZ 2018, Sydney
17. **Education in neuromodulation** – FPM Procedures in Pain Medicine Forum – 2017
18. **Treatment of chronic pelvic pain syndrome** – Urological Society of Australia and New Zealand (USANZ) Trainee Week 2017
19. **ERAS in arthroplasties** – the Melbourne experience – 2nd Combined Orthopaedic & Anaesthesia Conference (COMA) – NSW – 2017
20. **Multimodal pain relief for joint arthroplasty** – 2nd Combined Orthopaedic & Anaesthesia Conference (COMA) – NSW – 2017
21. **Pain management options for chronic abdominal pain** – Epworth GP Education – 2017
22. **Randomised clinical trials data outcomes in neuromodulation.** Australian Pain Society – 37th ASM – Adelaide, Australia – 2017
23. NSANZ 12th ASM - Session 2: **Contemporary Neuromodulation Research and Groundbreaking Results** – 2017
24. 2017 – presentation to Australian Pain Society 37th ASM Congress - **Randomised clinical trial data outcomes in neuromodulation** – 2017
25. **New media and the Faculty of Pain Medicine** – ANZCA ASM Pain Refresher Day – May 2013
26. **Opioids – The Ripple Effect on Healthcare and the Community. 2010.** The Alfred Hospital.
27. **Chronic Post Surgical Pain** – Alfred 2011 Anaesthesia Symposium
28. **Is post-anaesthesia handover up to standard?** European Society of Anaesthesiologists, Nice, France, 2002
29. **A comparison of ropivacaine 0.75% and bupivacaine 0.5% with fentanyl for epidural anaesthesia for elective Caesarean section.**
 - Obstetric Association Anaesthetists Conference – Nottingham, 2002
 - Group of Obstetric Anaesthetists of London – London, 2002

POSTER PRESENTATIONS

1. Salmon J, Verrills P, Vajramani G, Williams A, Love-Jones S, Patel N, Mitchell B, Du Toit N, Bates D, Nikolic S, Mehta V, Ahmad A, Yu J, **Christelis N**, Harkin S, Baranidharan G, Levy R, Staats P, Makous Curriculum Vitae of Dr Nick Christelis

- J. Prospective, Randomized, Multi-National Study Results Testing a Novel, Pulsed Stimulation Pattern (PSP) in the Treatment of Chronic Low Back Pain. – 2019 – INS
2. Spinal cord stimulation at 10KHZ for chronic intractable leg pain: a prospective, multicentre Australian study. Sullivan R, Russo M, **Christelis N** et al – 2019 – NANS – Las Vegas
3. Chronic pain patient outcomes using a neuromodulation system with available multiple waveform programming in Australia. Monagle J, Holthouse D, Georgius P, **Christelis N**, Russo M, Gupta S, Chen L, Lechleiter K, Roshini J. 2018 – NSANZ – Sydney
4. Developing the Epworth Healthcare Neuromodulation Registry. Pellegrini M, D’Urso P, **Christelis N**. 2018 – NSANZ – Sydney
5. The Epworth Neuromodulation Registry: Assessing data collection quality. Pellegrini M, D’Urso P, **Christelis N**. 2018 – NSANZ – Sydney
6. Monagle J, Russo M, **Christelis N**, Gupta S. Real world retrospective audit of long-term clinical outcomes beyond 24 months in chronic pain patients using a multiple waveform neurostimulation system in Australia – NANS Conference – Las Vegas – 2017
7. Monagle J, Russo M, **Christelis N**, Gupta S. A case series examination of recovered long-term pain relief utilizing a multiple waveform neurostimulator in patients who experienced a loss of treatment efficacy using spinal cord stimulation – NANS Conference – Las Vegas – 2017
8. Monagle J, Russo M, **Christelis N**, Gupta S. Treating the wide range of chronic intractable pain conditions using a multiple waveform-based neurostimulator system in Australia: Real world clinical audit – NANS Conference – Las Vegas – 2017
9. Monagle J, Russo M, Georgius P, **Christelis N**, Gupta S. Use of peripheral nerve stimulation and spinal cord stimulation to treat chronic pain patients in Australia – NANS Conference – Las Vegas – 2017
10. Griffiths S, Chou J, **Christelis N**. Weaning of high dose opioids in trauma patients is inadequate. World Congress of Anaesthesia. Buenos Aires 2012
11. Simpson L, **Christelis N**. A Quality Assurance Retrospective Audit of Intrathecal Morphine Use. Australian Pain Society 31st Annual Scientific Meeting, Darwin, June 2011
12. **Christelis N**, Imberger G. Complex Acute Pain: Is There A Need For Post-Acute Follow-Up? World Congress of Anaesthesia, Cape Town, South Africa, March 2008
13. **Christelis N**, Urch K. Analgesic efficacy of single session acupuncture in palliative care. 11th World congress of Pain, Sydney, Australia, August 2005
14. Klein A, **Christelis N**. Is post - anaesthesia handover up to standard? European Society of Anaesthesiologists, Nice, France, April 2002

OTHER

1. Instructor cadaver workshop NSANZ 4th workshop – Sydney 2019
2. Instructor Abbott APAC Neuromodulation course Modules 1 and 4
3. Instructor cadaver workshop NSANZ – 3rd workshop – Sydney 2018
4. Instructor cadaver workshop NSANZ – 2nd workshop – Sydney 2017
5. Instructor cadaver workshop NSANZ – 1st workshop – Sydney 2016

CONTINUING PROFESSIONAL DEVELOPMENT (CPD)

ANZCA CPD PROGRAM

Australian and New Zealand College of Anaesthetists Continuing Professional Development Program
39588

CONFERENCES

- | | |
|------|---|
| 2019 | International Neuromodulation Society’s 14 th World Congress – Sydney |
| 2019 | Pain at the Interface – Faculty of Pain Medicine Annual Scientific Meeting – Kuala Lumpur |
| 2019 | North American Neuromodulation Society (NANS) Conference – Las Vegas, USA |

- 2018 Faculty of Pain Medicine – Spring Meeting – Cairns
- 2018 ANZCA ASM – Sydney
North American Neuromodulation Society (NANS) Conference – Las Vegas, USA
Neuromodulation Society of Australia and New Zealand (NSANZ) – 12th ASM – Sydney
- 2017 North American Neuromodulation Society (NANS) Conference – Las Vegas, USA
International Neuromodulation Society (INS) World Conference – Edinburgh, UK
Neuromodulation Society of Australia and New Zealand (NSANZ) – Mechanisms of action – 12th ASM – Adelaide
- 2016 Neuromodulation Society of Australia and New Zealand (NSANZ) – 11th ASM – Sydney
- 2015 Australian Society of Anaesthetists & NZSA Combined Scientific Meeting – Darwin
Neuromodulation Society of Australia and New Zealand (NSANZ) – 10th ASM – Brisbane
- 2014 ANZCA/FPM ASM – Singapore
International Neuromodulation Society – 9th ASM – Hobart
- 2013 European Federation of the IASP Chapters – Florence
Pain refresher course day – Selling Pain Science – ANZCA ASM
Neuromodulation Pre Conference workshop – Canberra
- 2012 Anaesthetics ASM - Perth
Measuring outcomes - pain refresher day to the ANZCA ASM – Perth
World Congress Anaesthesiologists - Buenos Aires
- 2011 The Frontiers of Pain – Darwin, Australia
History of Anaesthesia ASM, Edinburgh, UK
- 2010 ANZCA ASM – Christchurch, NZ
FPM ASM – Christchurch, NZ
- 2009 Duelling with Pain, FPMANZCA Spring Meeting – Melbourne, Australia
8th EBPOM Conference – London, UK
ANZCA ASM – Cairns, Australia
- 2008 World Congress of Anaesthesia, Cape Town, South Africa
- 2007 ANZCA ASM. Perioperative Medicine. Melbourne, Australia
- 2005 11th World Pain Congress, Sydney, Australia
British Pain Society, ASM, Edinburgh
Hypoxia Symposium, Lake Louise, Alberta, Canada
- 2003 ASM – Changing practices in Anaesthesia, London
- 2002 Euroanaesthesia Congress, Nice, France
Obstetrics Anaesthetist Association Conference, Nottingham
- 2000 Obstetric Anaesthesia and Analgesia Meeting, London

COURSES / SEMINARS / WORKSHOPS

- 2019 Hemisphere Nevro Experts Forum – Sydney
- 2019 Spine and spine disorders Neurosciences Clinical Institute – Epworth Healthcare
- 2019 DRG Neuromodulation Masterclass – Sydney
- 2019 Nevro Hemisphere Cadaver Skills Workshop – Melbourne
- 2019 Hand Hygiene Medical Online Learning Module – Sydney
- 2019 Cooled Radiofrequency Ablation Procedural Course – Melbourne
- 2018 ICH-GCP adapted for Australia in English – Whitehall Training
- 2017 FPM Procedures in Pain Medicine Forum
Pelvic pain clinical presentation and role for neuromodulation – INS World Congress
2017
- 2015 The safer use of fluoroscopic equipment – Melbourne
DRG International Cadaver Workshop – Montreal

- 2014 Cadaver Neuromodulation (DRG) Workshop – Sydney
- 2013 BJA Peer Reviewers' Workshop – NIAA – London, UK
 Research Methodology Workshop – RCoA – London, UK
 HSRC UK Perioperative Care Research Forum – London, UK
 Medtronic neuromodulation cadaver workshop, Sydney
 St Jude neuromodulation cadaver workshop, Melbourne
- 2012 ISIS - Cervical bioskills Lab – Phoenix Arizona
- 2011 International Neuromodulation Society, 6th Annual Meeting, Canberra
 II Hands on Cadaver Workshop, Pain Intervention and Neuromodulation London, UK
 Focused Echocardiography for Anaesthesia Seminar, AAGBI, UK
- 2010 FPM Pre-Exam short course – Adelaide, Australia
- 2009 FPM Pre-Exam short course – Adelaide, Australia
 Touching a raw nerve – neuropathic pain & HIV, The Alfred
- 2008 Interventional Pain Medicine – Hands-on Cadaver Workshop, Leeds
- 2006 From Acute to Chronic Pain – Learning in Pain Series 4th Study Day
 Ultrasound-Guided Venous Access Course. A Practical Workshop
 Clinical Management for Anaesthetists, Keele University
- 2005 Trauma Update, Middlesex Hospital
 Neuraxial Infusions in the Management of Intractable Cancer Pain
 Annual Pain Study Day, St Mary's Hospital
- 2004 Acupuncture Foundation – British Medical Acupuncture Society
 How to teach – Teaching Methods, Eastbourne
- 2003 Difficult Airway Management, St. Barts Medical Simulation Centre
- 2002 How to teach – An intro to teaching for Specialist Registrars
- 2001 Obstetric Anaesthetic Training, St. Barts Medical Simulation Centre
 Airway Day – Royal College of Anaesthetists
- 2000 Anaesthetic Crisis Resource Management, St. Barts Simulation Centre
- 1998 Regional Analgesia and Analgesia in Accident and Emergency

RESUSCITATION

- 2015 Advanced Life Support Provider (ALS) – The Alfred
- 2003 Advanced Life Support Provider (ALS)
- 2001 Advanced Pediatric Life Support (APLS) Instructor potential
- 1999 Pediatric Life Support Provider (PALS) Instructor potential
- 1998 Advanced Cardiac Life Support Provider (ACLS)
- 1997 Advanced Trauma Life Support Provider (ATLS)

'Success is no accident. It is hard work, perseverance, learning, studying, sacrifice and most of all, love of what you are doing.'

– Pele