

Dr. Lali Sekhon

MD, PhD, FRACS, FACS, FAANS

Curriculum Vitae

CONTACT DETAILS



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I. EDUCATION

(I) UNDERGRADUATE ACADEMIC RECORD

- 1984-1988: The University of Sydney, Sydney, Australia
- February, 1989: Graduated with Honours Class 1 (Bachelor of Medicine, Bachelor of Surgery)

(II) MEDICAL STUDENT ELECTIVES

- 1987: Three-month clinical subinternship in neurology and neurosurgery at Yale-New Haven Hospital, Connecticut, U.S.A.
- 1988: Three month clinical rotation at the Royal Alexandra Hospital for Children, Sydney, Australia, in paediatric neurosurgery

(III) POSTGRADUATE ACADEMIC RECORD

- 1991-1993: Undertook full time research enrolled in a Doctor of Philosophy with the Department of Surgery, The University of Sydney, Australia. Topic: *“The effects of chronic cerebral hypoperfusion associated with arteriovenous malformations”*
- December, 1994: Ph.D. conferred

(IV) NEUROSURGERY RESIDENCY

- January 1989- July 1998: Internship and neurosurgery residency, Sydney, AUSTRALIA (citywide training scheme)

(V) NEUROSURGICAL FELLOWSHIP 1998-1999

- **GENERAL NEUROSURGERY FELLOW:** July 1998- September 1999: Mayo Clinic, Rochester, Minnesota, U.S.A.

(VI) NEUROSURGICAL FELLOWSHIP 1999- 2000

- **COMBINED ORTHOPAEDIC/NEUROSURGICAL SPINAL FELLOW:**
October 1999- July 2000: Toronto Western Hospital, Toronto, Ontario, Canada

2. PREVIOUS APPOINTMENTS

- 7/2000-10/2005: Associate Professor, Neurosurgery, Royal North Shore Hospital and the University of Sydney, Sydney, Australia
- 2004-2017: Treasurer, Kinetic Spine Technologies
- 10/2005-2/2010: Partner at SpineNevada, Reno, Nevada
- 1/2013- 3/2018: Partner at Sierra Neurosurgery Group, Reno, Nevada
- 9/2017- Current: President, SpinePoint, LLC
- 2/2010- current: Founder and President, Nevada Neurosurgery

3. CURRENT APPOINTMENTS

- Chief of Neurosurgery, Renown Regional Medical Center
- Subspecialties Representative, Renown Regional Medical Center
- President, Nevada Neurosurgery, Reno, Nevada
- Clinical Assistant Professor, Department of Physiology & Cell Biology, University of Nevada School of Medicine, Reno
- President, ThinkFirst of Northern Nevada
- President, SpinePoint, LLC
- Neurosurgery Head, Spine Program, Renown Regional Medical Center (2011-2015)
- Orthopedic and Neurosurgery Co-Management Committee Northern Nevada Medical Center, Founding Partner, 2013- current
- Medical Executive Peer Review Committee, Northern Nevada Medical Center, 2015-current
- AO Spine North America, Board of Directors and Chairman of Community Development Committee 2016- current

4. MEDICAL LICENSURE

- Nevada State Medical Board (11378) 2005
- California State Medical Board (A-91029) 2005

5. QUALIFICATIONS

- M.D. (Honours Class I) 1989
- F.R.A.C.S. 1999
- Ph.D. 1994
- U.S.M.L.E Part 1-3 2001/2
- American Board of Disability Analysts 2004
- F.A.C.S 2007
- F.A.A.N.S. 2010

6. HONOURS/AWARDS

(I) UNDERGRADUATE

- 1988: **Dun Prize for Surgery and Clinical Surgery**
- 1989: **Sydney B. Clipsham Prize for Operative Surgery**

(II) POSTGRADUATE

- 1991: **Cecil and Beryle Whitmont Research Fellowship**
- 1991: **National Health & Medical Research Council Postgraduate Research Scholarship**
- 1991: **Royal Australian College of Surgeons Foundation Research Grant**
- 1991: **Cockburn Foundation Research Scholarship**

- 1991: **John Brook Moore Scholarship in Surgery**
- 1993: **National Health & Medical Research Council Postgraduate Research Scholarship**

(III) POSTDOCTORAL

- 1995: **Peter Leech Prize**
- 1996: **1996 Douglas Bills Memorial Prize**
- 1997: **1997 Douglas Bills Memorial Prize**
- 1997: **Thomas & Mary Ethel Ewing Traveling Fellowship**
- 1997: **Young Neurosurgeons Award** by the World Federation of Neurosurgeons
- 1998: **FRACS Examination Part 2**: first overall ranking in all subspecialities including neurosurgery in the Fellowship of the Royal Australasian College of Surgeons (F.R.A.C.S.) Part 2 examinations

(IV) POSTRESIDENCY

- 1998: **Thomas & Mary Ethel Ewing Traveling Fellowship**
- 1998: **Sofamor Danek International Scholarship**
- 1999: **Sofamor Danek International Scholarship**
- 2000: **2000 Outstanding Clinical Research Award**, at the 28th Annual Meeting of the Cervical Spine Research Society, November 30th-December 3rd, 2000, Charleston, North Carolina, U.S.A., for the paper entitled *“Molecular mechanisms of cell death in human cervical spondylotic myelopathy: evidence for apoptosis, death receptor expression and Caspase 3 activation.”*
- **AMA Physician's Recognition Award with Commendation, 2006, 2009**
- **2007: Inducted as a Fellow of the American College of Surgeons**
- **'Patients' Choice' Award by MDx Medical Inc., 2009-2013**
- **Best Doctors in America Award, 2009,2010,2011**
- **2012: Newsweek's 15 Leaders in Neurosurgery**
- **2012 Best of Reno Awards in the Orthopedics Physicians category**
- 2012: Lali Sekhon listed in "Becker's 60 Spine Inventors to Know": <http://tinyurl.com/d3rcc6s>
- **Most Compassionate Doctor Award, 2011, 2012**
- **2013: ThinkFirst Sponsoring Physician of the Year**
- **2013: HealthTap's Top Neurosurgeon in Nevada Award**

- **2013: Nevada Medical Marvels list from NevadaBusiness Magazine**
- **2015: ThinkFirst of Northern Nevada Helmet Hero 2015**
- **2015: Founding Member, Academy of Surgical Educators**
- **Top Doctors in America, 2012, 2013,2014,2015, 2016**
- **Top Doctor's in America 5 year Award, 2016**

7. PROFESSIONAL AND SOCIETAL MEMBERSHIPS

- American College of Surgeons
- The University of Sydney Medical Society
- The North American University of Sydney Society
- The Neurosurgical Society of Australasia
- The North American Spine Society
- Congress of Neurological Surgeons
- Joint Section AANS / CNS Spine & Peripheral Nerve
- Joint Section AANS / CNS Trauma and Critical Care
- The Mayo Alumni Society
- The University of Toronto Alumni Program
- Royal Australasian College of Surgeons
- Spine Trauma Study Group
- American Board of Disability Analysts
- Federation of International College of Surgeons
- American Medical Association
- Washoe County Medical Society
- Douglas County Medical Society
- Nevada State Medical Association
- AO Spine North America
- The Cervical Spine Research Society

- American Association of Neurological Surgeons
- SpineNET Trauma Study Group under AOSpine NA
- American Association of Neurological Surgeons
- ThinkFirst of Northern Nevada
- The Association for Collaborative Spine Research (ACSR)
- Academy of Surgical Educators (ASE)

8. HOSPITAL APPOINTMENTS

- ❖ Renown Regional Medical Center, Reno, NV, U.S.A.
- ❖ Saint Mary's Regional Medical Center, Reno, NV, U.S.A.
- ❖ Outpatient Surgery Center of Reno, Reno NV, U.S.A.
- ❖ Northern Nevada Medical Center, Sparks, NV, U.S.A.
- ❖ Carson- Tahoe Medical Center, NV, U.S.A.
- ❖ Sierra Surgery Center, NV, U.S.A.
- ❖ Plumas District Hospital, CA, U.S.A.

9. RESEARCH, EDUCATIONAL AND TEACHING ACTIVITIES

(I) TEACHING/RESEARCH/ADMIN ACTIVITIES

- 2000-2005: Associate Professor, Neurosurgery, Sydney, Australia
- 2006: AO Spine faculty member
- 2007/8: Undergraduate lecturer, Faculty of Medicine, University of Nevada, Reno
- 2007/8: Prestige ST educator
- 2007/8- current: Adjunct Associate Professor, Department of Physiology & Cell

Biology, University of Nevada School of Medicine

- 2004-2010: Member of Spine Trauma Study Group
- 2008: Member of Nevada District #2 Selection Committee on Applicants of the American College of Surgeons]
- 2010- current: Clinical Instructor, Department of Surgery, University of Nevada, Reno
- 2011- 2015: Renown Spine Panel Neurosurgery Representative

- 2011- Physician Sponsor ThinkFirst Northern Nevada
- 2012- 2015: AO Spine North America Community Development Committee member
- 2011-2012: Washoe Medical Society Public Relations Committee
- 2012: Attended AO Spine North America Training for Chairpersons Course
- 2012-current: AO Spine North America Boards Prep (Oral and MOC) Subcommittee and Residents course Subcommittee
- 2012- current: AO Spine North America Residents Course Subcommittee
- 2015- Medical Executive Committee, Northern Nevada Medical Center
- 2015 – Peer review Committee, Northern Nevada Medical Center
- 2016- Appointed to the Academy of Surgical Educators (ASE)
- 2016- Appointed to Clinical Assistant Professor, University of Nevada, Reno
- 2016- AO Spine North America, Board of Directors and Chairman of Community Development Committee 2016- current
- 2016- Dr. Sekhon appointed Chief of Neurosurgery, Renown Regional Medical Center, Reno, Nevada
- 2018- Dr. Sekhon appointed Subspecialty Representative to Medical Executive Council ,Renown Regional Medical Center, Reno, Nevada

(II) NEUROSURGICAL COURSES ATTENDED

1. Australasian Neurosurgical Society Cerebrovascular Workshop, 5th-7th March, 1993: Sydney
2. Early Management of Severe Trauma (E.M.S.T.), Royal Australasian College of Surgeons, 5th-7th August, 1994: Royal Prince Alfred Hospital, Sydney
3. Cavernous Sinus and Lateral Skull Base Workshop, 24th-26th July, 1995: The St. Vincent's Hospital, Sydney
4. Preoperative Management of Neurotrauma, ANZCA 36th Continuing Education Seminar, 11th November, 1995, Sydney
5. 1996 Cerebral Hemodynamics and Embolism Symposium, with the Basic and Advanced Transcranial Doppler Course, 22nd-24th January, 1996, Dallas, Texas,

U.S.A.

6. Pituitary Symposium, May 11th-May 12th, 1996, Melbourne
7. Peripheral Nerve Workshop, 11th-13th November, 1996, Sydney
8. Midas Rex[®] Hands-On Neuro Workshop: Modern Dissection Techniques of Bone, Biometals, and Bioplastics, April 26th-27th, 1996, Minneapolis, Minnesota, U.S.A.
9. Microendoscopic Discectomy Workshop, 2nd July, 1997, Sydney
10. Postgraduate Neuropathology Course, 15th - 18th January, 1998, The University of Sydney, Sydney
11. Midas Rex[®] Hands-On Neuro Workshop: Modern Dissection Techniques of Bone, Biometals, and Bioplastics, October 31st- November 1st, 1998, Rochester, Minnesota, U.S.A.
12. AO/ASIF Comprehensive Spine Course, March 9th- 12th 2000, Breckenridge, Colorado, U.S.A.
13. Principles and Techniques of Examination and Evaluation of the Peripheral Nervous System, at the American Association of Neurological Surgeons, 2000 Annual Meeting, April 8th- April 13th, 2000, San Francisco, California, U.S.A.
14. Basics of Spinal Stabilization, Fusion and Instrumentation, at the American Association of Neurological Surgeons, 2000 Annual Meeting, April 8th- April 13th, 2000, San Francisco, California, U.S.A.
15. Management of Disorders of the Craniocervical Junction (faculty), as part of the 35th Meeting of the Canadian Congress of Neurological Sciences, June 13th-17th, 2000, Ottawa, Canada
16. Bryan Cervical Disc Prosthesis Workshop, April 26th, 2001, Perth, Australia
17. Bryan Cervical Disc System Workshop (faculty), September 15, 2001, Sydney, Australia
18. Prodisc Spine Arthroplasty Course. February 23rd-25th, 2003, Straubing, Germany
19. Maverick Total Disc Replacement Inaugural Training Course. March 22nd, 2003, Brisbane, Australia
20. Erromed Human Error and Safety Workshop. March 27th- 28th, 2003, Katoomba, N.S.W., Australia
21. Stryker Spine Symposium. May 30th- June 1st, 2003, Port Stephens, NSW, Australia
22. Minimal Access Spinal Surgery. August 30th-31st, 2003, Brisbane, Qld., Australia
23. The 9th Advanced Techniques in Cervical Spine Decompression and Stabilisation Course, January 9th-11th, 2004, St. Louis, MO, U.S.A. (faculty)
24. Bryan Disc User Group Meeting, February 28th- 29th, 2004, Sydney, Australia (Co-chair)
25. Risk Management Workshop, Royal Australasian College of Surgeons, July 24th, 2004, Sydney, N.S.W., Australia
26. Innovations in Spinal Fixation: An Advanced Course, February 26-27th, 2005,

Memphis, TN, U.S.A.

27. Advanced Cervical Spine Reconstruction Course, June 8, 2006, Las Vegas, U.S.A. (faculty)
28. AO ASIF Degenerative Spine Symposium. Principles and Emerging Technology. July 22nd –July 23rd, 2006, Montreal, Canada (faculty)
29. O-Arm System Cadaver Lab/Hot City Meeting, December 2nd, 2006, Las Vegas, Nevada
30. Prestige Cervical Disc: Core Education Course, March 31st, 2007, Memphis TN
31. Advanced Cervical Spine Reconstruction Course, June 8, 2007, Las Vegas, U.S.A. (faculty)
32. Prestige Cervical Disc Training Course, August 3rd and 4th, 2007, Denver, CO (chairman)
33. Prestige Cervical Disc Training Course, August 17th – 18th, 2007, Las Vegas, NV, (chairman)
34. North American Spine Society: Coding Update 2008, October 22nd -23rd, 2007, Austin, TX
35. Prestige Cervical Disc Training Course, February 9th, 2008, Denver, NV, (faculty)
36. XLIF and DB2 Training Course, June 21st 2008, San Diego, CA
37. AO Spine. Excellence in Spine. Principles and Treatment of Spinal Disorders for Residents and Fellows, Sep 5th- 7th, 2008, Baltimore, Maryland, U.S.A. (faculty)
38. Hot Topic in Cervical Treatment Options: Arthroplasty vs. Arthrodesis, September 22, 2008, Orlando, Florida, (faculty)
39. Congress of Neurological Surgery 2008 Annual Meeting, September 21st, 2008, Orlando, FL, U.S.A.
40. North American Spine Society: Section on Motion Technology- Examining the Evidence, October 14th, 2008, Toronto, ON, Canada
41. North American Spine Society 23rd Annual Meeting, October 14th- 18th, 2008, Toronto, ON, Canada
42. Leaders in Spine Series: Clinical Solutions for the Mature and Aging Spine, December 12th and 13th, 2008, Chicago, IL 2008 (faculty)
43. AO Spine. Excellence in Spine. Principles and Treatment of Spinal Disorders for Residents and Fellows, January 16th- 18th, 2009, Las Vegas, U.S.A. (faculty)
44. Cervical Arthroplasty Hot Topics, March 5, 2009, Los Angeles, CA (faculty)
45. Prestige Cervical Disc Training Course, March 6th, 2009 San Diego (chairman)
46. Mast Regional Training (DLIF, Sextant and MIS TLIF) April 18th, 2009, Sunnyvale CA
47. Cervical Think Tank/Spine Symposium, April 23rd and 24th 2009, Chicago, IL
48. Prestige Cervical Disc Training Course, June 20th, 2009, Chicago (chairman)
49. Nuvasive Posterior Cervical Workshop, August 1st, 2009, San Diego (chairman)

50. Medtronic Kyphon Balloon Kyphoplasty Training, Feb 6th, 2010, Sunnyvale CA
51. Nuvasive Posterior Cervical Workshop, March 5th, 2010, San Diego (chairman)
52. AO Spine. Excellence in Spine. Principles and Treatment of Spinal Disorders for Residents and Fellows, May 14th- 16th, 2010, Las Vegas, U.S.A. (faculty)
53. Nuvasive Posterior Cervical Workshop, June 25th, 2010, San Diego (chairman)
54. AO Spine. Excellence in Spine. Principles and Treatment of Spinal Disorders for Residents and Fellows, September 17th- 19th, 2010, Dallas, U.S.A. (Chairman)
55. Congress of Neurological Surgeons 2010 Annual Meeting, October 16-21, 2010, San Francisco, CA
56. 2010 CPT Coding Update at the Congress of Neurological Surgeons 2010 Annual Meeting, October 16-21, 2010, San Francisco, CA
57. Decision Making Strategies in the Aging Spine, January 28-29th, 2011, Scottsdale, AZ
58. 27th Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, March 9th- 12th, 2011, Phoenix AZ
59. Science + Spine +Management Symposium for Residents and Fellows, April 28th- 30th, 2011, Miami FL (faculty)
60. Nuvasive Posterior Cervical Workshop, June 10, 2011, New Jersey (chairman)
61. AO Spine. Excellence in Spine. Principles and Treatment of Spinal Disorders for Residents and Fellows, Oct 28-29, 2011, Toronto, Canada
62. Nuvasive Posterior Cervical Workshop, November 11, 2011, New Jersey (chairman)
63. AO Advanced Techniques of Spinal Resection and Reconstruction (with cadavers) Course, November 18-19, 2011 Las Vegas, NV (faculty)
64. Decision Making Strategies in Spine Surgery for the Early Career Surgeon, January 26th- 28th, 2012, Las Vegas, Nevada (faculty)
65. Nuvasive Posterior Cervical Workshop, March 16, 2012, San Diego (chairman)
66. AO Spine Training for Chairpersons, July 13-14, 2012, online course July 13-14, 2012 and postcourse July 14-30, 2012, Chicago, IL
67. Nuvasive Posterior Cervical Workshop, Sep 14, 2012, San Diego (chairman)
68. Catalyst Global Faculty Training, Oct 22nd-23rd, 2012, Dallas, TX
69. North American Spine Society 27th Annual Meeting, October 24^h- 27^h, 2012, Dallas, TX, USA
70. AO Spine. Excellence in Spine. Principles and Treatment of Spinal Disorders for Residents and Fellows, January 11th- 12th, 2013, New Orleans, U.S.A. (Chairman)
71. 29th Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, March 6th- 9th, 2013, Phoenix AZ
72. Nuvasive Posterior Cervical Workshop, March 14th, 2013, San Diego

(chairman)

73. Nuvasive Posterior Cervical Workshop, August 16th, 2013, New Jersey
(chairman)

74. Eurospine 2013, Oct 2nd- 4th, 2013, Liverpool, United Kingdom

75. AOSNA Strategic Planning Workshop, Jan 11th-12th, 2014, Scottsdale, AZ

76. Nuvasive Posterior Cervical Workshop, February 28th, 2014, San Diego
(chairman)

77. Prestige LP Faculty Training Program, May 2nd and 3rd, 2014, Miami FLA

78. Decisions in Spine: Early Practice, March 20-21, 2015 in San Diego, CA
(chairman)

79. 13th Annual AOSNA Fellows Forum, April 23rd- 25th, Banff Springs, Alberta, Canada (faculty)

80. Medtronic Posterior Cervical Workshop, August, 23rd, 2015, New Jersey
(chairman)

81. AO Spine: Controversies in Complex Spine Surgery: A Comprehensive Hands--on Bioskills Course for Fellows, September 10th-12th, 2014, Tampa FL
(Chairman)

82. Medtronic Posterior Cervical Workshop, October 24th, 2015, Las Vegas
(chairman)

83. Cervical Spine Research Society Annual Meeting, Dec 2nd-5th, 2015, San Diego

84. One AO Leadership Meeting, February 4th-6th, 2016, Orlando, Florida

85. 14th Annual AOSNA Fellows Forum, March 31st- April 2nd, 2016, Banff Springs, Alberta, Canada (faculty)

86. AO North America: Educational Planning Meeting, August 5th-7th, 2016, Rosemont, Illinois

87. AO Spine. Principles and Treatment of Spinal Disorders for Residents, August 19th- 20th, 2016, Toronto, Canada

88. AO Spine. Principles and Treatment of Spinal Disorders for Residents, September 9th and 10th, 2016, Orlando, FL

89. Fundamentals in Posterior Cervical Fixation: Nov 12, 2016, Washington, DC, November 12, 2016 (Chairman)

90. Medtronic Decisions in Spine: Fundamentals, Principles, and Techniques, Dec 2-3, 2015, Nashville TN (Co-Chairman)

91. AO Spine. Principles and Treatment of Spinal Disorders for Residents, January 13th and 14th, 2017, Las Vegas, NV

92. AOSNA Board & Leadership Retreat, January 19th-21st, 2017, Scottsdale, AZ

93. One AO Leadership Meeting, February 9th-11th, 2017, Palm Desert, California

94. Global Spine Congress, May 3rd- 6th, Milan, Italy

95. AO Spine: Controversies in Complex Spine Surgery: Fellows Course, November 3, 2017, Las Vegas, NV

96. AO Spine: Practice Essentials: Learn How to Be Successful in Today's Changing Healthcare Environment, November 4, 2017, Las Vegas, NV

97. One AO Leadership Meeting, February 8th--10th, 2018, Palm Desert, California

(III) PRESENTATIONS AT MEETINGS

1. February, 1993: "Impaired hippocampal long-term potentiation in the chronic hypoperfusion model of the rat" at the Australian Neuroscience Society 13th Annual Meeting, 3rd-5th February, 1993: Melbourne
2. October, 1993: "Altered hippocampal structure and function in the chronic hypoperfusion model of the rat" at the Xth International Congress of Neurological Surgery, 17th-22nd October, 1993: Acapulco, Mexico
3. February, 1994: "Alterations in hippocampal structure in the chronic hypoperfusion model in the rat" at the Australian Neuroscience Society 14th Annual Meeting, 2nd-4th February, 1994: Sydney
4. September, 1995: "Chronic cerebral hypoperfusion and impaired neuronal function in the rat" at the Spine Society of Australia and Neurosurgical Society of Australasia Combined Meeting, 16th- 24th September, 1995, Broome, Western Australia (awarded Peter Leech Prize)
5. September, 1996: "Pathological consequences of chronic cerebral hypoperfusion in the rat"; at the Neurosurgical Society of Australasia Meeting, 18th-21st September, 1996, Cairns, Queensland
6. January, 1996: "Alterations in animals behavior in the chronic hypoperfusion model in the rat" at the 1996 Cerebral Hemodynamics and Embolism Symposium, with the Basic and Advanced Transcranial Doppler Course, 22nd-24th January, 1996, Dallas, Texas, U.S.A.
7. January 1996: "Alterations in hippocampal structure in the chronic hypoperfusion model in the rat" (nominated for Cerebrovascular Research Award) at the 1996 Cerebral Hemodynamics and Embolism Symposium, with the Basic and Advanced Transcranial Doppler Course, 22nd-24th January, 1996, Dallas, Texas, U.S.A.
8. April, 1996: "Alterations in animal behavior in the chronic hypoperfusion model in the rat", at the American Association of Neurological Surgeons, 64th Annual Meeting, April 27th-May 2nd, 1996, Minneapolis, Minnesota, U.S.A.
9. April, 1996: "Alterations in hippocampal structure in the chronic hypoperfusion model in the rat" at the American Association of Neurological Surgeons, 64th Annual Meeting, April 27th-May 2nd, 1996, Minneapolis, Minnesota, U.S.A.
10. April, 1996: "Chronic cerebral hypoperfusion in the rat: temporal delineation of effects" at the American Association of Neurological Surgeons, 64th Annual Meeting, April 27th-May 2nd, 1996, Minneapolis, Minnesota, U.S.A.
11. July, 1997: "The effects of chronic cerebral hypoperfusion associated with

- arteriovenous malformations” (prize-winning paper), ” at the XIth International Congress of Neurological Surgery, 6th-11th July, 1997: Amsterdam, The Netherlands
12. July, 1997: “Defining the role of capillaries in normal perfusion pressure breakthrough and occlusive hyperemia” ” at the XIth International Congress of Neurological Surgery, 6th-11th July, 1997: Amsterdam, The Netherlands
13. July, 1997: “Delayed neurological deterioration following resection of arteriovenous malformations of the brain” at the XIth International Congress of Neurological Surgery, 6th-11th July, 1997: Amsterdam, The Netherlands
14. September 1997: “The palmtop pilot in neurosurgical practice management” at the Practice Management Workshop, 14th-16th September, 1997, Jabiru, Kakadu National Park, Northern Territory
15. September 1997: “Delayed neurological deterioration following resection of arteriovenous malformations of the brain” at the Neurosurgical Society of Australasia Meeting, 17th-20th September, 1997, Darwin, Northern Territory
16. April, 2000: “Role of apoptosis in neuronal and axonal degeneration in cervical spondylitic myelopathy: an immunohistochemical study of human autopsy cases” at the American Association of Neurological Surgeons, 2000 Annual Meeting, April 8th- April 13th, 2000, San Francisco, California, U.S.A.
17. June, 2000: “Role of apoptosis in neuronal and axonal degeneration in cervical spondylitic myelopathy: an immunohistochemical study of human autopsy cases” at the 35th Meeting of the Canadian Congress of Neurological Sciences, 13th-17th June, 2000, Ottawa, Canada
18. September, 2000: “Role of apoptosis in neuronal and axonal degeneration in cervical spondylitic myelopathy: an immunohistochemical study of human autopsy cases” at the Congress of Neurological Surgeons 50th Annual Meeting, September 23rd-28th, San Antonio, Texas, U.S.A.
19. April 2001: “Methylprednisolone in acute spinal cord injury: arguments for its use” at the 12th Annual Scientific Meeting of the Spine Society of Australia, April 27th, 2001, Perth, Western Australia
20. September 2001: “Spinal metastatic disease: posterior vertebrectomy for high thoracic and cervicothoracic metastatic vertebral tumours” at the Breakfast Session on Spinal Metastatic Disease, at the 12th World Congress of Neurological Surgery, September 16th -20th, 2001, Sydney, Australia
21. August, 2002: “Surgical management of spinal injury” at ICRAN 2002: International Conference on Recent Advances on Neurotraumatology, August 1-4, 2002, Bali, Indonesia
22. October 2002: “Revisiting cervical myelopathy in the new millenium” at the Kuring-Gai District Medical Association 26th Annual Congress, September 29th - October 5th, 2002, Yeppoon, Qld, Australia
23. April, 2003: “Posterior Cervical Decompression And Fusion For Circumferential Spinal Cord Compression: Prospective Review Of 30 Consecutive Cases” at the American Association of Neurological Surgeons, 2003 Annual Meeting, April 28th- May 1st, 2003, San Diego, California, U.S.A.

24. August, 2003: "Posterior Cervical Decompression And Fusion For Circumferential Spinal Cord Compression: Prospective Review Of 43 Consecutive Cases" at World Spine II, August 10th-13th, 2003, Chicago, Illinois, U.S.A.
25. August, 2003: "Lateral Mass Posterior Cervical Fixation: A Prospective Analysis of 612 Consecutive Screws In 95 Patients" at World Spine II, August 10th-13th, 2003, Chicago, Illinois, U.S.A.
26. September 2003: Cervical Spine Symposium: Innovative Technologies- Artificial Cervical Discs: "Indications for Multilevel Cervical Arthroplasty", September 18th-21st, 2003, Lake Placid, New York, U.S.A.
27. October 2003: "Posterior Cervical Decompression And Fusion For Circumferential Spinal Cord Compression: Prospective Review Of 43 Consecutive Cases" at Congress of Neurological Surgeons Annual Meeting, October 19th- 23rd, 2003, Denver, Colorado, U.S.A.
28. October, 2003: "Lateral Mass Posterior Cervical Fixation: A Prospective Analysis of 612 Consecutive Screws In 95 Patients" at Congress of Neurological Surgeons Annual Meeting, October 19th- 23rd, 2003, Denver, Colorado, U.S.A.
29. October, 2003: "Multilevel Cervical Arthroplasty" at Congress of Neurological Surgeons Annual Meeting, October 19th- 23rd, 2003, Denver, Colorado, U.S.A.
30. November 2003: "Lytic Spondylolisthesis- Who Needs Surgery? Who Doesn't?" at Elevating Best Practice in Spine- Challenges in Adult Deformity, November 7th, 2003, Sydney, Australia
31. May, 2004: "Cervical Arthroplasty: Beyond the European and United States FDA Study" at SAS4- Global Symposium on Intervertebral Disc Replacement & Non-Fusion Technology, May 4th – 7th, 2004, Vienna, Austria
32. October 2004: "Present Day Technology of Spinal Arthroplasty: What's Available Now and in the Near Future" at the Congress of Neurological Surgery 2004 54th Annual Meeting, Oct 16th- 21st, 2004, San Francisco, CA, U.S.A.
33. May 2005: "Cervical arthroplasty after previous surgery. Report of 15 cases." at the SA5: Spine Arthroplasty Society Global Symposium on Motion Preservation Technology, May 4-7, 2005, New York, NY, U.S.A.
34. May 2005: "Post-operative kyphosis and segmental imbalance with the Bryan cervical disc – a study of the incidence and causative factors in 66 patients" at the SA5: Spine Arthroplasty Society Global Symposium on Motion Preservation Technology, May 4-7, 2005, New York, NY, U.S.A.
35. June 2005: "Early fixation of spinal fracture: when to cut" at Neurointensive Care: The Road Ahead. Joint Faculty of Intensive Care Medicine in Association with ANZICS 1ST ASM, June 10th- 12th, 2005, Sydney, Australia
36. July 2005: "Cervical arthroplasty after previous surgery: report of 15 cases." Proceeds of 12th International Meeting on Advanced Spine Technologies (IMAST), July 7th- 9th, 2005, Banff, Alberta Canada, 2005
37. Sep 2005: "Cervical arthroplasty after previous surgery: report of 15 cases." Proceeds of the 20th Annual Meeting of the North American Spine Society,

September 27th - October 1st, 2005, Philadelphia, PA, U.S.A.

38. May 2006: "Revision strategies for Cervical Arthroplasty: results of a multi-surgeon international survey" at the SA5- Global Symposium on Motion Preservation Technology, Montreal Canada, May 9-12, 2006

39. June 2006: "Posterior cervical fixation in spinal trauma" at Advanced Cervical Spine Reconstruction Course, June 8, 2006, Las Vegas, U.S.A.

40. August 2006: "Lateral Mass Fixation: Technique" at Surgical Management of the Cervical Spine Course, August 25th, 2006, Sydney, Australia

41. August 2006: "Pearls, Tips and Tricks of C1/2 fixation" at the Surgical Management of the Cervical Spine Course, August 25th, 2006, Sydney, Australia

42. August 2006: "C7/T1/T2 fixation" at the Surgical Management of the Cervical Spine Course, August 25th, 2006, Sydney, Australia

43. August 2006: "Complications of Cervicothoracic Fixation" at the Surgical Management of the Cervical Spine Course, August 25th, 2006, Sydney, Australia

44. August 2006: "Complications of Lateral Mass Fixation" at the Surgical Management of the Cervical Spine Course, August 25th, 2006, Sydney, Australia

45. March 2007: "Cervical Arthroplasty. Metal on Poly: Current Status" at the 23rd Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, March 7th- 10th, 2007, Phoenix, Arizona.

46. March 2007: "Motion Preservation Symposium (moderator)" at the 23rd Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, March 7th- 10th, 2007, Phoenix, Arizona.

47. March 2007: "Quantitative Assessment of Spinal Canal Compromise and Spinal Cord Compression after Traumatic Cervical Spinal Cord Injury Using Digital Imaging: Results of the Spine Trauma Study Group Reliability Study" at the 23rd Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, March 7th- 10th, 2007, Phoenix, Arizona.

48. September 2007: "Engineering Challenges: Biomaterials and wear" at the Congress of Neurological Surgery 2007 Annual Meeting, September 18th, 2007, San Diego, CA, U.S.A.

49. September 2008: "Cervical Arthroplasty: Biomaterials and wear" at the Congress of Neurological Surgery 2008 Annual Meeting, September 21st, 2008, Orlando, FL, U.S.A.

50. December 2008: "Patient Selection and Pearls: Arthroplasty versus Fusion" at the Leaders in Spine Series: Clinical Solutions for the Mature and Aging Spine, December 12th and 13th, 2008, Chicago, IL 2008

51. November 2009: "Immediate postoperative complications and radiological features of interbody fusion between INFUSE BMP and Actifuse: A randomized prospective trial" at North American Spine Society 24th Annual Meeting, November 10th- 14th, 2009, San Francisco, CA, 2009

52. December, 2009: "Immediate postoperative complications and radiological features of interbody fusion between INFUSE BMP and Actifuse: A randomized prospective trial" at the *Cervical Spine Research Society 37th Annual Meeting*,

December 3rd - 5th, 2009, Salt Lake City, UT

53. January 2011: “Challenges in Treating the Aging Spine Patient – How to address poor bone quality. Are treatment options different for Degen vs Deformity patients when selecting implants/constructs?” at Decision Making Strategies in the Aging Spine, January 28-29th, 2011, Scottsdale, AZ

98. November 2011: “C2 Fixation Techniques” at AO Advanced Techniques of Spinal Resection and Reconstruction (with cadavers) Course, November 18-19, 2011 Las Vegas, NV

99. January 2012: “Distinguishing yourself in the Marketplace” at Decision Making Strategies in Spine Surgery for the Early Career Surgeon, January 26th - 28th, 2012, Las Vegas, Nevada

100. Mar 2015: “Cervical Arthropathy” at Decisions in Spine: Early Practice, March 20-21, 2015 in San Diego, CA

101. Sep 2015: “Indications for Cervical Arthroplasty” at AO Spine: Controversies in Complex Spine Surgery: A Comprehensive Hands--on Bioskills Course for Fellows, September 10th-12th, 2014, Tampa FL

102. Jan 2016: “Cervical and Lumbar Arthroplasty: Myths and Reality” at Nevada Academy of Family Physicians 48th Annual Meeting, Jan 24th, 2016, Lake Tahoe, CA

103. March 2016: “Cervical Radiculopathy” at University of Nevada, Kinesiology Course, March 28, 2016

104. March 2016: “Raising Your Profile and Growing Your Private Practice”, at the 14th Annual AOSNA Fellows Forum, April 1, 2016, Banff Springs, Alberta, Canada

105. August 2016: “Epidural Abscess and Hematogenous Osteomyelitis” at the AO Spine. Principles and Treatment of Spinal Disorders for Residents Course August 19th- 20th, 2016, Toronto, Canada

106. September 16 “Cervical Facet Subluxations” at the AO Spine. Principles and Treatment of Spinal Disorders for Residents, September 9th and 10th, 2016, Orlando, FL

107. September 16 “Myelopathy and Cervical Kyphosis” at the AO Spine. Principles and Treatment of Spinal Disorders for Residents, September 9th and 10th, 2016, Orlando, FL

108. November, 2016: “C1/2 fixation” at the Fundamentals in Posterior Cervical Fixation: Nov 12, 2016, Washington, DC, November 12, 2016 (Chairman)

109. Jan 2016: “Lumbar Burst Fractures” at the AO Spine. Principles and Treatment of Spinal Disorders for Residents, January 13th and 14th, 2017, Las Vegas, NV

110. Jan 2016: “Lumbar Spinal Stenosis” at the AO Spine. Principles and Treatment of Spinal Disorders for Residents, January 13th and 14th, 2017, Las Vegas, NV

111. Nov 2017: “CSF Leak Management” at the AO Spine: Controversies in Complex Spine Surgery: Fellows Course, November 3, 2017, Las Vegas, NV

112. Nov 2017: “Starting a Practice: How to get the Message Out” at the AO

Spine: Practice Essentials: Learn How to Be Successful in Today's Changing Healthcare Environment, November 4, 2017, Las Vegas, NV
113.

(IV) INVITED PRESENTATIONS

1. July, 1997: "The effects of chronic cerebral hypoperfusion associated with arteriovenous malformations" (prize-winning paper), " at the XIth International Congress of Neurological Surgery, 6th-11th July, 1997: Amsterdam, The Netherlands
2. August, 1998: "Management of poor-grade subarachnoid hemorrhage patients: an evidence-based study" at the Mayo Clinic Department of Neurological Surgery Grand Rounds, 8th August, 1998, Rochester, Minnesota, U.S.A.
3. November, 1998: "Delayed neurological deterioration following resection of arteriovenous malformations of the brain" at the Mayo Clinic Department of Neurological Surgery Grand Rounds, 7th November, 1998, Rochester, Minnesota, U.S.A.
4. February, 1999: "Chronic cerebral hypoperfusion. Part 1: electrophysiology" at the Mayo Clinic Department of Neurological Surgery Grand Rounds, 13th February, 1999, Rochester, Minnesota, U.S.A.
5. February, 1999: "Chronic cerebral hypoperfusion. Part 2: histopathology and behavior" at the Mayo Clinic Department of Neurological Surgery Grand Rounds, 20th February, 1999, Rochester, Minnesota, U.S.A.
6. September 1999: "Transcranial doppler: use, misuse and rationale" at the Mayo Clinic Department of Neurological Surgery Grand Rounds, September 4, 1999, Rochester, Minnesota, U.S.A.
7. December 1999: "Cervical radiculopathy: surgical considerations" at the Toronto Western Hospital Medical Grand Rounds, December 8, 1999, Toronto, Ontario, Canada
8. February, 2000: "Rheumatoid arthritis: neurosurgical aspects" at The 2000 William S. Keith Professorship in Neurosurgery, 15th February, 2000, Toronto, Ontario, Canada
9. October, 2000: Kuring-Gai District Medical Association RACGP Continuing Education: "Untangling the mysteries of back problems", October 19, 2000, Sydney, NSW, Australia
10. March, 2001: Manly District Medical Association RACGP Continuing Education: "Untangling the mysteries of back problems", March 15, 2001, Sydney, NSW, Australia
11. April 2001: " Methylprednisolone in acute spinal cord injury: arguments for its use", at the 12th Annual Scientific Meeting of the Spine Society of Australia, April 27th, 2001, Perth, Western Australia.
12. May 2001: Department of General Practice, Dalcross Private Hospital:

“Untangling the mysteries of back problems”, May 16, 2001, Sydney, NSW, Australia

13. June 2001: Medtronic Sofamor Danek Nurses Spinal Symposium & Workshop: “Management of spinal trauma and tumours”, June 23rd, 2001, Sydney, NSW, Australia

14. June 2001: Medtronic Sofamor Danek Nurses Spinal Symposium & Workshop: “New technologies and advances in spinal surgery”, June 23rd, 2001, Sydney, NSW, Australia

15. July 2001: Pittwater Radiology Clinical Meeting: “New technologies in spinal surgery”, July 23rd, Sydney, NSW, Australia

16. August 2001: “The Surgical Management of Spinal Cord Injury” at the Spine Injury Conference, 31st August, 2001, Rex Hotel, Sydney, Australia

17. September 2001: “Spinal metastatic disease: posterior vertebrectomy for high thoracic and cervicothoracic metastatic vertebral tumours” at the Breakfast Session on Spinal Metastatic Disease, at the 12th World Congress of Neurological Surgery, September 16th -20th, 2001, Sydney, Australia

18. October 2001: The Northern Sydney Division of General Practice Seminar on Current Trends in Back Surgery, North Shore Private Hospital: “Mysteries of lower back problems and their surgical management”, May 16th, 2001, Sydney, NSW, Australia

19. February 2002: The Northern Sydney Area Health RNSH ½ Day Trauma Seminar, Royal North Shore Hospital, “Spinal cord injury assessment and management”, February 16th, 2002

20. April 2002: Medtronic Sofamor Danek Nurses Spinal Symposium & Workshop: “New technologies and advances in spinal surgery”, April 20th, 2002, Sydney, NSW, Australia

21. August, 2002: “Surgical management of spinal injury” at ICRAN 2002: International Conference on Recent Advances on Neurotraumatology, August 1-4, 2002, Bali, Indonesia

22. October 2002: Kuring-Gai District Medical Association 26th Annual Congress: “Revisiting cervical myelopathy in the new millenium”, October 1, 2002, Yeppoon, Qld, Australia

23. December, 2002: Innovations in Image Guided Surgery. Stealth User Group Meeting: “Fluoroscopic Navigation in Spinal Surgery”, December 8, 2002, Sydney, NSW, Australia

24. February, 2003: Tiny Tots Trauma Day: “Paediatric Head and Spinal Injuries”, February 15, 2003, Royal North Shore Hospital, Sydney, NSW, Australia

25. May, 2003: Sydney NeuroSpine Clinic GP Seminar: “Unravelling Neck Problems: Pain, discs, myelopathy”, May 5, 2003, Chatswood, NSW, Australia

26. May 2003: Seminar on the Management of Major Trauma, Royal North Shore Hospital, “Spinal cord injury assessment and management”, May 17th, 2003

27. August 2003: Minimal Access Spinal Surgery: “MAST Applications to Trauma”, August 31st, 2003, Brisbane, Qld., Australia

28. September 2003: Cervical Spine Symposium: Innovative Technologies- Artificial Cervical Discs: “Indications for Multilevel Cervical Arthroplasty”, September 18th-21st, 2003, Lake Placid, New York, U.S.A.
29. October 2003: Arthroplasty Seminar, 20th October, 2003, Congress of Neurological Surgeons Annual Meeting, Denver, CO, U.S.A.
30. November 2003: “Lytic Spondylolisthesis- Who Needs Surgery? Who Doesn’t?” at Elevating Best Practice in Spine- Challenges in Adult Deformity, November 7th, 2003, Sydney, Australia
31. November 2003: “Cervical Arthroplasty” at Innovations & Excellence in Spinal Surgery, November 22nd, 2003, Sydney, Australia
32. November 2003: “MAST Fusion” at Innovations & Excellence in Spinal Surgery, November 22nd, 2003, Sydney, Australia
33. November 2003: “Image-Guided Spine Surgery” at Innovations & Excellence in Spinal Surgery, November 22nd, 2003, Sydney, Australia
34. November, 2003: “Arthroplasty for Cervical Spine Disorders” at the 33rd ASM of the Australian Association of Musculoskeletal Medicine, November 29th, 2003, Sydney, Australia
35. November, 2003: Tiny Tots Trauma Day: “Paediatric Head and Spinal Injuries”, November 29th, 2003, Royal North Shore Hospital, Sydney, NSW, Australia
36. January 2004: The 9th Advanced Techniques in Cervical Spine Decompression and Stabilisation Course: “The Future: Artificial Disc Replacement”, January 9th-11th, 2004, St. Louis, MO, U.S.A.
37. October 2004: Congress of Neurological Surgery 2 54th Annual Meeting: “Present Day Technology of Spinal Arthroplasty: What’s Available Now and in the Near Future”, October 16th- 21st, 2004, San Francisco, CA, U.S.A.
38. May 2005: “Cervical arthroplasty after previous surgery. Report of 15 cases.” at the International Bryan Cervical Disc User Group Meeting. May 4, 2005, New York, NY, U.S.A.
39. May 2005: “Post-operative kyphosis and segmental imbalance with the Bryan cervical disc – a study of the incidence and causative factors in 66 patients” at the International Bryan Cervical Disc User Group Meeting. May 4, 2005, New York, NY, U.S.A.
40. June 2005: “Early fixation of spinal fracture: when to cut” at Neurointensive Care: The Road Ahead. Joint Faculty of Intensive Care Medicine in Association with ANZICS 1st ASM, June 10th- 12th, 2005, Sydney, Australia
41. September 2005: “Cervical arthroplasty after previous surgery. Report of 15 cases.” at the North American Spine Society 20th Annual Meeting, September 27th – October 1st, 2005, Philadelphia, PA, U.S.A.
42. June 2006: “Posterior cervical fixation in spinal trauma” at Advanced Cervical Spine Reconstruction Course, June 8, 2006, Las Vegas, U.S.A.
43. June, 2006: “Surgical and Non-Surgical Treatment for Back Pain Management” at the Washoe Medical Center Grand Rounds, June 13th, 2006, Reno,

Nevada

44. July 2006: "Cervical Disc Arthroplasty" at the AO ASIF Degenerative Spine Symposium. Principles and Emerging Technology. July 22nd –July 23rd, 2006, Montreal, Canada
45. July 2006: "Is there a role for dynamic stabilization?" at the AO ASIF Degenerative Spine Symposium. Principles and Emerging Technology. July 22nd – July 23rd, 2006, Montreal, Canada
46. July 2006: "Arthroplasty Complications" at the AO ASIF Degenerative Spine Symposium. Principles and Emerging Technology. July 22nd –July 23rd, 2006, Montreal, Canada
47. August 2006: "Lateral Mass Fixation: Technique" at Surgical Management of the Cervical Spine Course, August 25th, 2006, Sydney, Australia
48. August 2006: "Pearls, Tips and Tricks of C1/2 fixation" at the Surgical Management of the Cervical Spine Course, August 25th, 2006, Sydney, Australia
49. August 2006: "C7/T1/T2 fixation" at the Surgical Management of the Cervical Spine Course, August 25th, 2006, Sydney, Australia
50. August 2006: "Complications of Cervicothoracic Fixation" at the Surgical Management of the Cervical Spine Course, August 25th, 2006, Sydney, Australia
51. August 2006: "Complications of Lateral Mass Fixation" at the Surgical Management of the Cervical Spine Course, August 25th, 2006, Sydney, Australia
52. March 2007: "Cervical Arthroplasty. Metal on Poly: Current Status" at the 23rd Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, March 7th- 10th, 2007, Phoenix, Arizona.
53. April 2007: "Head Injury" at the University of Nevada, School of Medicine, April 13th, 2007, Reno, Nevada
54. April 2007: "Spinal Cord Injury" at the University of Nevada, School of Medicine, April 13th, 2007, Reno, Nevada
55. May 2007: "Update on the Acute Management of Spinal Cord Injury", May 18th, 2007, at the Neurosciences Symposium, Renown Regional Medical Centre, Reno, Nevada
56. June 2006: "Circumferential Decompression" at Advanced Cervical Spine Reconstruction Course, June 8, 2007, Las Vegas, U.S.A.
57. September 2007: Engineering Challenges: Biomaterials and wear: at the Congress of Neurological Surgery 2007 Annual Meeting, September 18th, 2007, San Diego, CA, U.S.A.
58. April 2008: "Head Injury" at the University of Nevada, School of Medicine, April 21st, 2008, Reno, Nevada
59. April 2008: "Spinal Cord Injury" at the University of Nevada, School of Medicine, April 21st, 2008, Reno, Nevada
60. September 2008: "Spinal Cord Injury": at the AO Spine. Excellence in Spine. Principles and Treatment of Spinal Disorders for Residents and Fellows, Sep 5th- 7th, 2008, Baltimore, Maryland, U.S.A.
61. September 2008: "TLIF/PLIF": at the AO Spine. Excellence in Spine.

Principles and Treatment of Spinal Disorders for Residents and Fellows, Sep 5th- 7th, 2008, Baltimore, Maryland, U.S.

62. September 2008: “Cervical Arthroplasty: Biomaterials and wear” at the Congress of Neurological Surgery 2008 Annual Meeting, September 21st, 2008, Orlando, FL, U.S.A.

63. December 2008: “Patient Selection and Pearls: Arthroplasty versus Fusion” at the Leaders in Spine Series: Clinical Solutions for the Mature and Aging Spine, December 12th and 13th, 2008, Chicago, IL 2008

64. January 2009: Operative and Nonoperative Management of Cervical Radiculopathy” at the AO Spine. Excellence in Spine. Principles and Treatment of Spinal Disorders for Residents and Fellows, January 16th- 18th, 2009, Las Vegas, U.S.A.

65. January 2009: Classification/Pathognomics of Cervical Trauma” at the AO Spine. Excellence in Spine. Principles and Treatment of Spinal Disorders for Residents and Fellows, January 16th- 18th, 2009, Las Vegas, U.S.A.

66. May 2010: “Spinal Cord Injury”: at the AO Spine. Excellence in Spine. Principles and Treatment of Spinal Disorders for Residents and Fellows, May 14th-16th, 2010, Las Vegas, Nevada, U.S.A.

67. May 2010: “Lumbar Arthroplasty”: at the AO Spine. Excellence in Spine. Principles and Treatment of Spinal Disorders for Residents and Fellows, May 14th-16th, 2010, Las Vegas, Nevada, U.S.A.

68. September 2010: “Spinal Cord Injury” at the AO Spine. Excellence in Spine. Principles and Treatment of Spinal Disorders for Residents and Fellows, September 17th- 19th, 2010, Dallas, U.S.A. (Chairman)

69. September 2010: “Cervical Radiculopathy” at the AO Spine. Excellence in Spine. Principles and Treatment of Spinal Disorders for Residents and Fellows, September 17th- 19th, 2010, Dallas, U.S.A. (Chairman)

70. September 2010; “Lumbar Arthroplasty” at the AO Spine. Excellence in Spine. Principles and Treatment of Spinal Disorders for Residents and Fellows, September 17th- 19th, 2010, Dallas, U.S.A. (Chairman)

71. January 2011: “Challenges in Treating the Aging Spine Patient – How to address poor bone quality. Are treatment options different for Degen vs Deformity patients when selecting implants/constructs? “ at Decision Making Strategies in the Aging Spine, January 28-29th, 2011, Scottsdale, Arizona

72. April 2011: “Negotiating with Hospitals” at the 79th AANS Annual Scientific Meeting, April 9th- 13th. 2011, Denver Colorado

73. May 2011: “Distinguishing Yourself in the Marketplace” at the Science + Spine +Management Symposium for Residents and Fellows, April 28th- 30th, 2011, Miami FL (faculty)

74. May 2007: “Head Injuries- A-Z”, October 4, 2011, at Trauma: The Challenge Symposium, Renown Regional Medical Centre, Reno, Nevada

75. November 2011: “C2 Fixation Techniques” at AO Advanced Techniques of Spinal Resection and Reconstruction (with cadavers) Course, November 18-19, 2011

Las Vegas, NV

76. January 2012: “Distinguishing yourself in the Marketplace” at Decision Making Strategies in Spine Surgery for the Early Career Surgeon, January 26th- 28th, 2012, Las Vegas, Nevada
77. April 2013: “The ABCs of Calcium and Osteoporosis” at NAPNA meeting, April 9th, 2013, Reno, Nevada
78. Jan 2015: “Myelopathy” at Nevada Academy of Family Physicians, Tahoe Meeting,
79. Mar 2015: “Cervical Arthropathy” at Decisions in Spine: Early Practice , March 20-21, 2015 in San Diego, CA
80. Sep 2015: “Indications for Cervical Arthroplasty” at AO Spine: Controversies in Complex Spine Surgery: A Comprehensive Hands--on Bioskills Course for Fellows, September 10th-12th, 2014, Tampa FL
81. Jan 2016: “Cervical and Lumbar Arthroplasty: Myths and Reality” at Nevada Academy of Family Physicians 48th Annual Meeting, Jan 24th, 2016, Lake Tahoe, CA
82. March 2016: “Cervical Radiculopathy” at University of Nevada, Kinesiology Course, March 28, 2016
83. March 2016: “Raising Your Profile and Growing Your Private Practice”, at the 14th Annual AOSNA Fellows Forum, April 1, 2016, Banff Springs, Alberta, Canada
114. August 2016: “Epidural Abscess and Hematogenous Osteomyelitis” at the AO Spine. Principles and Treatment of Spinal Disorders for Residents Course August 19th- 20th, 2016, Toronto, Canada
115. September 16 “Cervical Facet Subluxations” at the AO Spine. Principles and Treatment of Spinal Disorders for Residents, September 9th and 10th, 2016, Orlando, FL
116. September 16 “Myelopathy and Cervical Kyphosis” at the AO Spine. Principles and Treatment of Spinal Disorders for Residents, September 9th and 10th, 2016, Orlando, FL
117. November, 2016: “C1/2 fixation” at the Fundamentals in Posterior Cervical Fixation: Nov 12, 2016, Washington, DC, November 12, 2016 (Chairman)
118. Jan 2016: “Lumbar Burst Fractures” at the AO Spine. Principles and Treatment of Spinal Disorders for Residents, January 13th and 14th, 2017, Las Vegas, NV
119. Jan 2016: “Lumbar Spinal Stenosis” at the AO Spine. Principles and Treatment of Spinal Disorders for Residents, January 13th and 14th, 2017, Las Vegas, NV
120. May 2016: “8 Pearls of Practice in North America” at the Members Only Session of the Global Spine Congress, May 3rd- 6th, Milan, Italy
121. Nov 2017: “CSF Leak Management” at the AO Spine: Controversies in Complex Spine Surgery: Fellows Course, November 3, 2017, Las Vegas, NV
122. Nov 2017: “Starting a Practice: How to get the Message Out” at the AO Spine: Practice Essentials: Learn How to Be Successful in Today’s Changing

Healthcare Environment, November 4, 2017, Las Vegas, NV

(V) OTHER INVITED ACTIVITIES (COURSES/WORKSHOPS)

1. June 2000: Instructor at the Management of Disorders of the Craniocervical Junction Course, at the 35th Meeting of the Canadian Congress of Neurological Sciences, 13th June, 2000, Ottawa, Canada
2. July 2000: International VIP Visit to Medtronic Sofamor Danek, 17-19th July, 2000, Memphis, U.S.A.
3. July 2000: Anspach, July 20-22nd, 2000, West Palm Beach, U.S.A.
4. April 2001: Bryant Cervical Disc Prosthesis Workshop, April 26th, 2001, Perth, Australia
5. June 2001: Medtronic Sofamor Danek Nurses Spinal Symposium & Workshop, June 23rd, 2001, Sydney, Australia (Course Chairman)
6. August 2001: Spine Injury Conference, 31st August, 2001, Rex Hotel, Sydney, Australia
7. September 2001: "Spinal Metastases" Breakfast Session, at the XIIth International Congress of Neurological Surgery, 17th-20th September, 2001. Sydney, Australia
8. September 2001: Bryant Cervical Disc System Workshop, September 15th, 2001, Sydney, Australia (faculty)
9. September 2001: Co-moderator for the Spine Section, at the 12th World Congress of Neurological Surgery, September 16th -20th, 2001, Sydney, Australia
10. February 2002: Sofamor Danek R90 Beta Testers Think Tank, February 8th-10th, 2002, Coolum, Australia
11. February 2003: Prodisc Spine Arthroplasty Course. February 23rd-25th, 2003, Straubing, Germany
12. March 2003: Maverick Total Disc Replacement Inaugural Training Course. March 22nd, 2003, Brisbane, Australia
13. May 2003: Stryker Spine Symposium. May 30th- June 1st, 2003, Port Stephens, NSW, Australia (faculty)
14. June 2003: Advances in Posterior Cervical Spine Instrumentation. June 14th, 2003, Sydney, Australia (convenor)
15. August 2003: Advances in the Surgical Management of Spondylotic Myelopathy. August 20th, 2003, Rochester University Medical Center, Rochester, New York, U.S.A. (Visiting Professor)
16. August 2003: Minimal Access Spinal Surgery: August 31st, 2003, Brisbane, Qld., Australia (faculty)
17. September 2003: Cervical Spine Symposium: Innovative Technologies- Artificial Cervical Discs, September 18th-21st, 2003, Lake Placid, New York, U.S.A.

18. October 2003: Arthroplasty Seminar, 20th October, 2003, Congress of Neurological Surgeons Annual Meeting, Denver, CO, U.S.A.
19. The 9th Advanced Techniques in Cervical Spine Decompression and Stabilisation Course, January 9th-11th, 2004, St. Louis, MO, U.S.A.
20. Bryan Disc User Group Meeting, February 28th- 29th, 2004, Sydney, Australia (Co-chair)
21. Prodisc Cervical Arthroplasty Training Course, 8th March, 2004, Melbourne, Australia
22. MAST Trauma/Tumor Focus Group Meeting. 20th March, 2004, San Diego, CA, U.S.A.
23. Stryker Spine Symposium. June 11th – 14th, 2004 , Gold Coast, Qld, Australia (faculty)
24. Stryker Spine Symposium. The Practical Management of Complex Spinal Pathologies, May 27th – May 29th, 2005, Ayres Rock, NT, Australia (convenor)
25. Advanced Cervical Spine Reconstruction Course, June 8, 2006, Las Vegas, U.S.A. (faculty)
26. Global Spine, June 9-11, Las Vegas, U.S.A. (faculty)
27. AO ASIF Degenerative Spine Symposium. Principles and Emerging Technology. July 22nd –July 23rd, 2006, Montreal, Canada (faculty)
28. Surgical Management of the Cervical Spine Course, August 25th, 2006, Sydney, Australia (faculty)
29. March 2007: “Motion Preservation Symposium (moderator)” at the 23rd Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, March 7th- 10th, 2007, Phoenix, Arizona.
30. March 2007: “Special Course IV. Motion Segment Preservation A to Z” at the 23rd Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, March 7th, 2007, Phoenix, Arizona.
31. Prestige Cervical Disc: Core Education Course, March 31st, 2007, Memphis TN
32. Advanced Cervical Spine Reconstruction Course, June 8, 2007, Las Vegas, U.S.A. (faculty)
33. Prestige Cervical Disc Training Course, August 3rd and 4th, 2007, Denver, CO (chairman)
34. Prestige Cervical Disc Training Course, August 17 and 18th, 2007, Las Vegas, NV, (chairman)
35. Prestige Cervical Disc Training Course, April 25th, 2008, 2007, Chicago, IL, NV
36. AO Spine. Excellence in Spine. Principles and Treatment of Spinal Disorders for Residents and Fellows, Sep 5th- 7th, 2008, Baltimore, Maryland, U.S.A. (faculty)
37. September 2008: “Special Premeeting Course PC22: Cervical Arthroplasty at the Congress of Neurological Surgery 2008 Annual Meeting,

September 21st, 2008, Orlando, FL, U.S.A.

38. January 2009: Operative and Nonoperative Management of Cervical Radiculopathy at the AO Spine. Excellence in Spine. Principles and Treatment of Spinal Disorders for Residents and Fellows, January 16th- 18th, 2009, Las Vegas, U.S.A.

39. Prestige Cervical Disc Training Course, 20th July, 2009 Chicago IL, (faculty)

40. May 2011: “Distinguishing Yourself in the Marketplace” at the Science + Spine +Management Symposium for Residents and Fellows, April 28th-30th, 2011, Miami FL (faculty)

41. AOSNA SPineNet Knowledge Forum Conference, Oct 21-22, 2011, Toronto, Canada

42. January 2012: “Distinguishing yourself in the Marketplace” at Decision Making Strategies in Spine Surgery for the Early Career Surgeon, January 26th- 28th, 2012, Las Vegas, Nevada

43. AO Spine. Excellence in Spine. Principles and Treatment of Spinal Disorders for Residents and Fellows, January 11th and 12th, 2013, New Orleans, U.S.A. (chairman)

44. Decisions in Spine: Early Practice, March 20-21, 2015 in San Diego, CA (chairman)

45. 13th Annual AOSNA Fellows Forum, April 23rd- 25th, 2015, Banff Springs, Alberta, Canada (faculty)

46. Medtronic Posterior Cervical Workshop, August, 23rd, 2015, New Jersey (chairman)

47. AO Spine: Controversies in Complex Spine Surgery: A Comprehensive Hands--on Bioskills Course for Fellows, September 10th-12th, 2014, Tampa FL (Chairman)

48. Medtronic Posterior Cervical Workshop, October 24th, 2015, Las Vegas (chairman)

49. 14th Annual AOSNA Fellows Forum, March 31st- April 2nd, 2016, Banff Springs, Alberta, Canada (faculty)

50. August 2016: AO Spine. Principles and Treatment of Spinal Disorders for Residents Course August 19th- 20th, 2016, Toronto, Canada (faculty)

123. September 2016:

124. September 16 : Spine. Principles and Treatment of Spinal Disorders for Residents, September 9th and 10th, 2016, Orlando, FL(faculty)

125. November, 2016: Fundamentals in Posterior Cervical Fixation: Nov 12, 2016, Washington, DC, November 12, 2016 (Chairman)

126. Jan 2016: AO Spine. Principles and Treatment of Spinal Disorders for Residents, January 13th and 14th, 2017, Las Vegas, NV (faculty)

127. May 2016: Global Spine Congress, May 3rd- 6th, Milan, Italy

(VI) PEER REVIEW

Editorial Board Membership:

- **Journal of Spinal Disorders & Techniques (now Clinical Spine Surgery)**
- **Journal of Craniovertebral Junction & Spine**
- **Journal of Spine Surgery**

Associate Editorial Board:

- **Spine Journal**
- **The Spine Journal**
- **Global Spine Journal**

Reviewer for :

- * **Spine**
- * **Acta Neurochirurgica**
- * **J Clin Neurosci**
- * **Journal of Spinal Disorders & Techniques**
- * **Neurosurgery**
- * **J Neurochem**
- * **Neurology India**
- * **Mayo Clinic Proceedings**
- * **Yonsei Medical Journal**
- * **Clinical Neurology and Neurosurgery**
- * **Patient Safety in Surgery Journal**
- * **Orthopedic Reviews**
- * **Scoliosis**
- * **Journal of Craniovertebral Junction & Spine**
- * **Global Spine Journal**
- * **Hindawi Publishing**
- * **World Neurosurgery**

(VII) COMMITTEES

- NASS Web Site Development Committee Member (11/01/2008 - 10/31/2011)
- NASS International Education Committee Member (10/29/2009 - 10/30/2009)
- NASS SpineLine Editorial Board Member (10/29/2007 - 10/30/2007)
- NASS Web Site Development Committee Member (11/01/1999 - 10/31/2002)
- NASS Web Site Development Committee Member (11/01/2002 - 10/31/2005)
- NASS World Spine II Advisory Board (inactive) Member (12/01/2004 - 11/30/2007)
- NASS Spine Journal Editorial Board Advisor (10/01/2006 - 09/30/2009) Board of Directors and Treasurer for Kinetic Spine Technologies- 2004- present
- Board of Directors and Vice President, SpineNevada, 2005- 2010
Spine Trauma Study Group, 2004- 2010
- Medical Advisory Committee, Allez Spine, 2009- 2011
- Renown Spine and Implant Committee, 2009- present
- Renown Institute of Neurosciences Board Member, 2006- 2009
- Neurosurgery Head, Spine Program, Renown Regional Medical Center, 2011- present
- Washoe County Medical Society Publication Relations Committee, 2011- present
- SpineNET Trauma Study Group under AOSpine North America, 2011- current
- ThinkFirst Northern Nevada Sponsoring Physician, established 2011
- AONA Spine Faculty 2002- current
- AOSpine North America Advanced and Fellows Course subcommittee 2012- current
- AO Spine North America Community Development Committee, 2012- current
- Orthopedic and Neurosurgery Leadership Council Northern Nevada Medical Center, 2013- current
- Co-Director, Renown Regional Medical Center Spine Program, 2007- present

- Executive Committee Member, Sierra Neurosurgery Group 2013-present
- Medical Executive Committee, Northern Nevada Medical Center, 2015
- Peer Review Committee, Northern Nevada Medical Center, 2015-current
- AO Spine North America, Board of Directors, 2016- current
- AO Spine North America, Chairman of Community , 2016- current

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(V) INDUSTRY

- Consultant for Medtronic Spine & Biologics, 2001-present
- Consultant Stryker Spine, 2002-2006
- Consultant Nuvasive, 2009- 2014
- Medical Advisory Board, Phygen, 2009- 2011
- Treasurer, Kinetic Spine Technologies, 2004-present

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Patent number: 8603176

DYNAMIC PEDICLE SCREW

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INTERVERTEBRAL DISC PROSTHESIS HAVING BALL AND RING STRUCTURE

Application number: 20110054617

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Intervertebral implant

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Spinal stabilisation implant

Application number: 20080132954

Artificial vertebral body

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