**CURRICULUM VITAE**

**RAJIV MIDHA**

**I. BIOGRAPHICAL DATA**

**Name:** Rajiv Midha



**Present Rank**: Head and Professor

**Department:** Department of Clinical Neurosciences

**Faculty:** Cumming School of Medicine, University of Calgary

**Institution Address:**  Foothills Medical Centre

 1403 – 29th Street NW Room 1195

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**II. ACADEMIC RECORD**

**i. Undergraduate:** Medical School, Faculty of Medicine, University of Toronto, 1983-1987. (University of Toronto, Arts and Science, 1981-1983.)

**Final Degree:** Doctor of Medicine

**Date Completed:** 1987

**Institution/City/County:** University of Toronto

**ii. Postgraduate:** 1.Comprehensive Surgery Internship, Queen’s University,

7/1987-6/1988

 2. Neurosciences

**Final Degree:** Masters of Sciences

**Date Completed:** 1992

**Institution/City/County:** Institute of Medical Science, University of Toronto

**Supervisor(s):** Susan Mackinnon and Alan Hudson

**iii. Special Professional**

**Final Degree:** Specialization in Neurosurgery, FRCSC

**Date Completed:** 1994 (July 1988- June 1994)

**Institution/City/County:** University of Toronto

**Directors:** Alan Hudson and Charles Tator

**Final Degree:** Fellowships in peripheral nerve surgery

**Date Completed:** 1995 (July 1984- June 1995)

**Institution/City/County:** University of Toronto and LSUMC, New Orleans

**Directors:** Richard Moulton (Toronto) and David Kline (New Orleans)

**iv. Licensure, Certification and Boards:**

1. College of Physicians and Surgeons of Ontario, 07/88

2. Fellow of the Royal College of Surgeons (Canada), Neurosurgery, 09/94

3. American Board of Neurosurgery, 11/98

4. College of Physicians and Surgeons of Alberta 08/2004

 Medical Training Exams and Qualifications:

1. MCC Qualifying Examination 1987

2. National Board of Medical Examiners (USA) July 1988

3. LMCC II August 1988

**v. Continuing Medical Education**

**Management and Leadership Courses:**

1. Physician management Institute (PMI) Leadership skills for shaping the future April 2006

2. PMI Leadership skills development April 2006

3. PMI Conflict management and effective negotiation November 2006

4. PMI Planning and managing change November 2006

5. PMI Dollars and sense: Finances and economics for the health care leader December 2012

6. PMI Self-awareness and effective leadership February 2013

7. Executive Health Leadership Course, Haskayne School of Business Oct 2014- March 2015

**III. AWARDS AND DISTINCTIONS**

1. Admittance Scholarship, Scarborough College, University of Toronto 1981

2. NSERC Undergraduate Summer Scholarship 1983

3. Sotherton Wadhams in-course Scholarship in Sciences in Second Year, University of Toronto 1983

4. Samuel Castrilli Award, Faculty of Medicine, University of Toronto 1983-1986

5. Research Scholarship- Undergraduate Program in Medical Science (UPMS), Institute of Medical Science, University of Toronto 1983-1985

6. Dr. R.E. Haist Award in Physiology, Faculty of Medicine, University of Toronto 1984

7. Dr. C.S. Wainwright Memorial Scholarship, Faculty of Medicine, University of Toronto 1984-1986

8. Chester William Ferrier M.D. Scholarship in Surgery, Faculty of Medicine, University of Toronto. 1986

9. Mitchell Kohan Scholarship, Faculty of Medicine, University of Toronto 1987

10. Honour List, Faculty of Medicine, University of Toronto 1984-1987

11. Canadian Society of Clinical Investigations, Award for Research Paper Presentation - Royal College of Physicians and Surgeons of Canada Meeting, Winnipeg, Manitoba 1987

12. Thomas P. Morley Neurosurgical Resident Research Prize, University of Toronto 1992

13. Frank H. Mayfield Award, by the Joint Section on Disorders of the Spine and Peripheral Nerves of the AANS, Miami, Florida, Feb., 1992 1992

14. Physicians Service Incorporated (PSI) Residents Research Prize, University of Toronto 1992

15. Gallie-Bateman Surgical Resident Research Day, Third Place, University of Toronto 1992

16. Plastic Surgery Education Foundation (PSEF) Essay Contest, Investigator Category, Third Prize 1992

17. PSEF Junior Scholarship Award- Basic Sciences, Co-author of Winning manuscript by Tim Best, M.D. 1992

18. K.G. McKenzie Memorial Research Training Award 1994

19. Bernard Langer Surgeon Scientist Award, University of Toronto 1996

20. Annual Marvin Tile Award, S&WCHSC, University of Toronto 2002

21. Alan R Hudson Teaching Award, Division of Neurosurgery, University of Toronto 2004

22. McMaster University, Division of Neurosurgery, **Annual Shatz Lecturer** 2006

23. University of Ottawa, Division of Neurosurgery, **Michael Richard Visiting Professor** in Neurosurgery 2006

24. Golden Apple Award, School of Graduate Studies, University of Calgary 2007

25. University of Vermont (Burlington) Dept of Neurosurgery **Inaugural Lester Wallman lecture** 2009

26. Award for Section Editor Excellence, *Neurosurgery* 2011

27. **Norman Hill Lecture** (13th Annual), University of Manitoba 2011

28. Award for Section Editor Excellence, *Neurosurgery* 2011

29. Award for Section Editor Excellence, *Neurosurgery* 2012

30. Lifetime Excellence Award for Editorship, *Neurosurgery* 2013

31. Fellow of Canadian Academy of Health Sciences 2015

32. **David Kline Lecture**, AANS Annual Meeting 2017

33. University of Ottawa, **Brien J Benoit Visiting Professor**  2017

34. **Banerjee Oration**, Annual ISPNS (Delhi, India) 2018

35. Indo-Canadian Chamber of Commerce, Male Professional of the Year 2018

36. **AL Dellon Lecture** (4th Annual), University of Michigan 2018

37. Meritorious Member Peripheral Nerve Award, Disorders of Spine and Peripheral Nerve, Miami March 2019 2019

38. **Dwight Parkinson Lecture** (13th Annual), University of Manitoba 2021

**IV. ACADEMIC APPOINTMENTS**

Oct 1, 2012- ongoing Professor and Head, Department of Clinical Neurosciences (DCNS), University of Calgary

July, 2005- Sep 2012 Division Head, Division of Neurosurgery, Full Professor, DCNS, University of Calgary (Deputy Head, DCNS Jan 2006-Sep 2012)

Jan 1, 2005 – ongoing Scientist, Hotchkiss Brain Institute, University of Calgary

July 2004- June 2005 Division Head, Division of Neurosurgery, Associate Professor, Dept of Clinical Neurosciences, University of Calgary

July 2000-June 2004 Associate Professor, Department of Surgery (Division of Neurosurgery), July 1995 – June 2000 Scientist, Neuroscience Research, Sunnybrook and Women’s College

 Health Sciences Centre, University of Toronto (Assistant Professor)

**V. EDUCATIONAL ACTIVITIES**

(Teaching Dossier has detailed and chronological listing of all teaching activities including related to undergraduate, postgraduate, medical school, residents, fellows, CME, etc; **research supervisory activities are supplied below**)

**Graduate school appointment:**

# Neurosciences Research Program, Hotchkiss Brain Institute, University of Calgary, Nov 2004-ongoing

# Institute of Medical Science (IMS), University of Toronto, Feb, 1998-Dec, 2010.

**Graduate Student Supervision:**

1. Jason Belkas, Institute of Medical Sciences, MSc Student, September 2001-August, 2003. Thesis project completed and degree conferred Fall 2013: “Biomechanical properties, biocompatibility, and nerve regeneration through a synthetic hydrogel nerve tube” (University of Toronto Open Fellowship, $5000; IMS Continuing Fellowship 2001, $5,000; James F. Crother’s Family Fellowship in Peripheral Nerve Damage, $6, 000; IMS Continuing Fellowship 2002, $7,500).
2. Gamal Seif, Institute of Medical Sciences, MSc Student, September 2003-June 2004; Thesis project studying: Growth factors gradients from bioengineered nerve guidance tubes (James F. Crother’s Family Fellowship in Peripheral Nerve Damage, $10, 525; NSERC Fellowship $17, 300) (Transferred to CH Tator, as Midha moved to Calgary).
3. Stephen Kemp, Neuroscience Research Program, University of Calgary, PhD conferred spring 2010. Jan 2005-Dec 2009. The effect of in vivo delivery of nerve growth factor in peripheral nerve regeneration. GRS Award, 2005, $4, 000; 2007, $4, 100. Spinal cord and nerve regeneration program (HBI) Studentship, $7, 000, 2007. FGS (Neuroscience) Open Scholarship $500, 2008. MDNS Neuroscience Award, University of Calgary, $1500, November, 2008. Currently Assistant Professor at University of Michigan.
4. Sarah Walsh, Neuroscience Research Program, University of Calgary, PhD conferred fall 2010. Sep 2005-Sep 2010. Skin derived stem cells for repair of nerve injuries. Achievement in Medical Sciences (AIMS) Scholarship, University of Calgary, 2005, $25, 000. NSERC Scholarship 2007-10, $35, 000. MDNS Neuroscience Award, University of Calgary, $1500, November, 2008. Accepted into and completed MD-PhD Program, University of Calgary, May 2012. Currently at University of Ottawa for residency in Neurology.
5. Abdul Shararah. Neuroscience Research Program, University of Calgary, MSc Candidate. August 2008-May 2009. Imaging of the myelination process by skin-derived precursor stem cells. (Stopped graduate studies as accepted into McGill University Plastic Surgery Residency program.)
6. Jacob Alant. Neuroscience Research Program, University of Calgary, MSc. June 2010-August 2013. Thesis conferred Fall 2013. Development of a rodent neuroma in continuity injury model. Neurosurgery faculty at Dalhousie University.
7. Joey Grochmal. Neuroscience Research Program, University of Calgary, PhD, conferred June 2015. Spectral Analysis of Peripheral Nerve and SKP-SC derived myelin by solvatochromic dyes. HBI Resident Scientist Fellowship Award, 2009-2012, PGY level salary support (~$45,000) and $3,000 research allowance. UofC Clinical Investigator Program, July 2009-June 2015. AI-HS Clinical Scholarship 2012-2015. Mackenzie Award, CNSF 2012. Academy Award runner up, American Academy of Neurosurgery, 2015. Faculty at University of Texas (Lubbock, TX).
8. Ranjan Kumar (co-supervision with Jeff Biernaskie). Neuroscience Research Program, University of Calgary, PhD conferred August 2015. Sep 2009-July 2015. Differential abilities of acutely and chronically denervated nerve derived Schwann cells and skin derived Schwann cells to support axonal regeneration and remyelination. AI-HS Schlorship $30, 000, 2013-2015. Private enterprise in Calgary.
9. Aleksandra Ivanovic. Neuroscience Research Program, University of Calgary, MSc Candidate. Sep 2011-2015. Optimiziming assessment of behavioral outcomes in rat hindlimb nerve injury models. Leaders in Medicine Program, 2012-2015. SWAAC Award, University of Calgary. Withdrawn from program- awaiting MSc exam; currently neurology resident at UBC.

**Reseach PDF and clinical postgraduate fellows:**

1. Research Peripheral nerve fellow. Takeshi Matsuyama, Nara Medical College, Nara, Japan. Jan 1997-Dec 1998. Neurosurgical faculty, Japan
2. Research Fellow. Olawale A.R. Sulaiman, PhD. (Tessa Gordon, supervisor), Department of Pharmacology, Division of Neurosciences, University of Alberta, 1999. Professor of Neurosurgery, Tulane University
3. Clinical Peripheral nerve fellow. Mubarek Al-Gahtany, University of Toronto, July 2001-June 2002. Neurosurgical faculty, Saudi Arabia
4. Research Peripheral nerve fellow. Akkapong Nitising, Thailand. April 2002-August 2002. Neurosurgeon, Thailand
5. Research Peripheral nerve fellow (Post-doctoral). Qing Gui Xu, China, October 2002-2009. Clinical Assistant in Neurosurgery, Calgary
6. Clinical Peripheral nerve fellow. Michael Taylor, Canada, Jan 2003-March 2003. Professor of Neurosurgery, University of Toronto
7. Clinical Peripheral nerve and neurotrauma fellow. Robert Ramcharan, Jamaica, Aug 2003-July 2004. Neurosurgeon, UWI
8. Clinical and research peripheral nerve fellow. Mohammed Bangash, Canada (Dalhousie University), July-Dec, 2004. Neurosurgeon, Saudi Arabia
9. Clinical peripheral nerve fellow. Bassam Addas, Jeddah, Saudi Arabia, Sep 07-Feb 2008. Neursurgical faculty, Jeddah University, Saudai Arabia
10. Clinical peripheral nerve fellow. Juan Barges Coll, Mexico City, Mexico, March- April, 2008. Neurosurgeon, Mexico
11. Clinical peripheral nerve fellow, Erin Dyer, Canada (UWO), Oct-Nov, 2008. Neurosrgery faculty at Case Western, Cleveland, Ohio
12. Clinical and research peripheral nerve fellow. Jacob Alant, South Africa, April 2008-June, 2009. Neurosurgical faculty, Dalhousie University
13. Clinical peripheral nerve fellow. Aleksa Cenic, Canada (McMaster Univ, Hamilton), July-Dec, 2009. Neurosurgical faculty, McMaster University
14. Clinical and research peripheral nerve fellow. Kathleen Joy Khu, Philippines, July, 2009-June 2010. Neurosurgeon, Manilla, Phillipines
15. Research PDF. Antos Shakhbazau, Belarus, May 2010- April 2013. Genetic engineering of nerve and skin derived Schwann cells to augment nerve regeneration. AI-HS Fellowship, Alberta. HBI PDF of the Year Award, 2013. Research Associate, Houston, Texas
16. Research PDF. Colin Franz, University of Calgary, June 2010- May 2012. Trans-vertebral electrical stimulation to enhance specificity of nerve regeneration. Partial AI-HS Fellowship, Alberta. Finished MD program in Calgary in May 2012, now at Northwestern University and Rehab Institute of Chicago for residency in Physical Medicine and Rehabilitation.
17. Clinical and research peripheral nerve fellow. Helene Khoung, Canada (Laval University, Quebec City). July 2010-June 2012. Behavioral analysis of the effects of SKPs therapy on acute and delayed nerve repair. Cloward Award, AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerve and HBI Denyse Lajoie-Lake Fellowship for 2010-11; McLaughlin Fellowship, Universite Laval, 2011-12. Neurosurgical faculty, Laval University.
18. Clinical fellow. Boon Pang, Singapore, July-December 2010. Neurosurgeon, Singapore.
19. Clinical fellow. Ferry Sanjaya, Indonesia, August 2011-June 2012. Neurosurgeon, Jakarta.
20. Clinical and research peripheral nerve fellow. Chandan Mohanty, India. HBI Denyse Lajoie-Lake Fellowship for 2012-13. Neurosurgeon, Mumbai, India.
21. Research PDF. Hardeep Dhaliwal, University of Calgary, April 2013-July 2015. Evaluation of bioprocessed and optimized SKP-SCs for nerve injury repair and outcome.
22. Research PDF. Leila Mirfeizi, University of Calgary, May 2013-July 2015. Bioprocessing and cell engineering of SKP-SCs. Eyes High Postdoctoral Fellow, University of Calgary.
23. Research PDF. Jo Anne Stratton, University of Calgary. March 2014-ongoing. Schwann cell and macrophage interactions in nerve regeneration.
24. Clinical fellow. Tarek El-Mahdoun, Dubai, UAE, March 2014-Feb 2015. Partially supported by Integra Lifesciences Foundation Fellowship.
25. Research and clinical fellow, Yuval Shapira, Tel Aviv, Israel, December 2014-December 2016. HBI Denyse Lajoie-Lake Fellowship for 2015. Neurosurgical faculty, Tel Aviv University.
26. Research and clinical fellow, Mustafa Nadi, Amman, Jordan, Dec 2015-August 2016.
27. Research and clinical fellow, Sudheesh Ramachandran, Banglore, India, July 2016-June 2017.
28. Research and clinical fellow, Toby Loch-Wilkinson, Sydney, Australia, Feb 2017-July 2017.
29. Clinical and research fellow, Vanessa Sammons, Australia, July-December 2017.
30. Clinical and research fellow, Saud Alzahrani, Saudi Arabia, July 2018-June 2019.
31. Research PDF, Elodie Labit, Partial supervision (with Jeff Biernaskie), May 2018-ongoing. Phenotypic and gentotypic analysis of human skin and nerve Scwann cells.
32. Research PDF, Daniel Umansky, Nov 2018-Nov 2019. Therapeutics assessment in neuroma in continuity nerve injury model in rats.
33. Clinical and research fellow, Daniel Umansky, Jan 2020-ongoing. Denyse Lajoie-Lake Fellowship, HBI Jan-Dec 2020.
34. Clinical and research fellow, Harley Brito Da Silva, July 2020-June 2021.
35. Clinical fellow, Rajesh Krishna Pathiyll, July November 2021-ongoing.

**Summer/ Thesis Project (Undergraduate) Student Supervision:**

1. James Noble, May-August 1997, 1st year undergraduate. Clinical research project on the epidemiology of peripheral nerve injuries. Summer Studentship Award from Integrative Biomedical Sciences, SHSC
2. Vivek Patel, May- August 1998. 1st year med student. Outcome measures of ulnar neuropathy. Studentship support from the Ricard Chair, U of T
3. James Noble, May-August 1998, 2nd year undergraduate. Basic project with bioabsorbable peripheral nerve grafts. Award from Research Administration, SHSC.
4. Shudeshna Nag, May-August 1999. 2nd year undergraduate. Motor and sensory long nerve allografts. Summer Studentship from the Institute of Medical Sciences, U of T
5. Jason Noble, May- August 1999. 1st year undergraduate. Clinical research project on outcome measures of ulnar neuropathy. Studentship support from the Ricard Chair, U of T.
6. James Noble, September 1999-April 2000. 4th year undergraduate. FGF release profiles from artificial nerve conduits. 4th year Thesis Project Course
7. Jason Noble, May- August 2000. 2nd year undergraduate. Motor and sensory long nerve allografts. Summer Studentship from the Institute of Medical Sciences, U of T
8. Shudeshna Nag, June-August 2000. 3rd year undergraduate. Vascular changes during nerve allograft rejection. Award from Research Administration, S&WCHSC
9. Sumeet Vadera, June-August 2000. 1st year undergraduate. Vascular changes during nerve allograft rejection. Studentship support from the Ricard Chair, U of T
10. Henry Siu, May- August 2001. 3rd year undergraduate. Microgene array analysis of human nerve and neuromas. Summer Studentship from the Institute of Medical Sciences, U of T
11. Henry Siu, May- August 2002. 4th year undergraduate. Microgene array analysis of human nerve and neuromas. Summer Studentship from the Institute of Medical Sciences, U of T
12. Seema Patel, June- August 2002. 1st year Medical Student, U of T. MRI of nerve injury. Summer Research Scholarship, Faculty of Medicine, University of Toronto
13. Steven Chan, June- August 2002. 1st year Medical Student, U of T. Protection of denervated endoneurial pathways after nerve injury. Summer Research Scholarship, Faculty of Medicine, University of Toronto
14. Jodie Simard, June-August 2002. 2nd year undergraduate, University of Guelph. Growth factor release and delivery from nerve tubes. Summer Research Award from Research Administration, S&WCHSC
15. Helen Liu, Sept 2002-May 2003. 4th year undergraduate. NGF release from artificial nerve conduits. 4th year Thesis Project Course in Neuroscience (NRS400), University of Toronto
16. Teresa Pun, June-August 2003. 4th year undergraduate, University of Toronto. MRI of Tellurium induced peripheral nerve demyelination. Summer Studentship from the Institute of Medical Sciences, U of T
17. Teresa Pun, June-August 2004. 1st year Medical Student, University of Toronto. MRI of experimentally induced nerve inflammation. Summer Research Scholarship, Faculty of Medicine, University of Toronto
18. Rajbeer Sangha, Sep 2004-May 2005. 4th year independent studies course (Zoology 528), University of Calgary. Thesis supervision, NGF gradients in nerve tubes
19. Anup Patel, May-Aug 2005. University of Calgary. Regeneration through nerve guidance tubes
20. Shabaz Syed, May-Aug 2006. Regeneration is improved through collagen as compared to silicon nerve tubes. Winner of summer student award competition, HBI
21. Shabaz Syed, May-Aug 2007. Biochemical analysis of skin derived stem cells and Schwann cells for repair of nerve injuries. STEP Studentship Award, Govt of Alberta. O’Brien Award for top Research Presentation – University of Calgary, Faculty of Medicine
22. Sundeep Dhaliwal. May-August 2008. Behavioural outcomes of peripheral nerve injury.
23. Sundeep Dhaliwal. May-August 2009. Understanding the beneficial role of skin-derived precursor cells in regeneration after chronic nerve injury. Markin USRP Scholarship, Univ of Calgary
24. Sundeep Dhaliwal. May-August 2010. Nerve demyelination model using adriamycin injection in rat sciatic nerve. AHFMR student fellowship (P Stys, co-supervisor)
25. Michael Dreidger. May-August 2010. Molecular characterization of skin-derived precursor stem cell populations. AHFMR student fellowship.
26. Ashley Rommens. May-August 2010. Attachment, survival and proliferation of SKPs on novel biofilms. (Vet Med studentship, A Webb, co-supervisor)
27. Sundeep Dhaliwal. May-August, 2011. SPKs contribution to peripheral nerve remyelination. EndMS Scholarship
28. Fang Wei Liu. May-August, 2011. Phenotypic and molecular characterization of SKPs for determining an optimal myelinating population. Markin USRP Scholarship, Univ of Calgary
29. Fang Wei Liu. May-August, 2012. SOX 2 expression and myeliantion capacity of Schwann cell population. AI-HS Summer Studentship
30. Raveena Dhaliwal, May-August, 2012. Characterizing myelination composition and maturity by using environmentally sensitive myelin dyes, BSc Neuroscience Program Summer Research Scholarship, Univ of Calgary
31. Raveena Dhaliwal, September 2012- April, 2013. Characterizing myelination composition and maturity by using environmentally sensitive myelin dyes, BSc Neuroscience Program Honours Thesis, Univ of Calgary
32. Chinmaya Mishra, May- August, 2013. Assessment of Schwann cell survival in vivo after nerve micro-injection. BSc Neuroscience Program Summer Research Scholarship, Univ of Calgary
33. Chinmaya Mishra, September 2013- April, 2014. Assessment of Schwann cell survival in vivo after nerve micro-injection. BSc Neuroscience Program Honours Thesis, Univ of Calgary
34. Prajay Shah, May- August, 2014. Interaction of macrophages and Schwann cells in nerve repair. BSc Neuroscience Program Summer Research Scholarship, Univ of Calgary
35. Alexander Kipp, September 2014- April 2015. Behavioural assessment of experimental nerve injuries in continuity managed with electrical stimulation therapy. BSc Neuroscience Program Honours Thesis, Univ of Calgary
36. Haris Malik, September 2014-April 2015. Evaluation of in vitro and in vivo Schwann cell survival. B MDSC 508 HSc Honours Thesis, Univ of Calgary
37. Jill Girgulis, May- September 2015. Behavioural assessment of experimental nerve injuries in continuity managed with Schwann cell therapy. AI-HS Studentship Award
38. Mohit Vohra, Sep 2015-April 2016. MDSC 508 BHSc honours thesis, University of Calgary. Investigating Macrophages for Central Nervous System repair: Gaining insights from the Peripheral Nervous System. Session chair and examiner for year 4 thesis presentations (2 hours) on April 8, 2016
39. Abir Islam, May- September 2016. Behavioural assessment of experimental nerve injuries in continuity managed with supercharge end-side transfer. AI-HS Studentship Award
40. Alexander Holmes. May-September 2016. Immunomodualtion of myelination after nerve injury by M2-type macrophages. HBI summer student presentation award
41. Alexander Holmes. May-September 2017. Role of macrophage derived GAS6 in Schwann cell proliferation and maturation. AI-HS Studentship Award
42. Yassine Bensaada. Neuoroscience honour thesis. Activation of repair Schwann cells using novel drug therapies. September 2017-April 2018
43. Sourav Saha. Undergraduate summer student. Bioinformatics approach to analysis of gene transcription in Schwann cells in nerve injury. Biomed Eng/HBI Summer studentship. May-August, 2018
44. Tanmay Mishra. Undergraduate summer student. Imaging of Schwann cell seeded 3D scaffolds. May-August 2018
45. Ebrahim Al-Awadhi. Undergraduate summer student. Behavioural assessment of nude immunocompromised rats following nerve injury. May-August 2018.
46. Jaskaran Grewal. MDSC 507 Thesis Course. Clarity based imaging of nerve and nerve conduits. September-December 2018
47. Ebrahim Al-Awadhi. MDSC 508, Honors thesis. Behavioural assessment of nude immunocompromised rats following nerve injury. September 2018-April 2019. Oral defense examiner MDSC 508, April 5, 2019 (12 hours)
48. Rehman Tariq. Undergraduate summer student. Characterizing the skin derived Schwann cell with markers of the unmyelinated SC phenotype. June -August 2020. Neuroscience UG studentship. September-December 2020, MITACS Internship.

Other graduate school activity:

Graduate program advisory committee member:

* Jody Dickstein (Jack Hay, supervisor), Immunology, PhD, 1999
* Timothy Seabrook (Jack Hay, supervisor), Immunology, PhD, 2000
* Christine Papiconomou (Miles Johnston, supervisor), Pathobiol Lab Med, PhD candidate, 2000-2002
* Geoffrey Caines (Isabelle Aubert, supervisor), Pathobiol Lab Med, MSc candidate, 2000-2004
* Jessica Gagetek (Naweed Syed, supervisor), MSc Candidate, Univ of Calgary, 2004-2007
* Bhagat Singh (Doug Zochodne, supervisor), PhD, Univ of Calgary. Candidancy exam September 2010, PhD Examiner, June 2013
* Khalil Ramji (Wee Yong, supervisor), PhD Candidancy exam December 8, 2014; Phd Examiner Sep 13, 2018
* Kathleen Hagel (Shalina Ousman, supervisor), MSc Supervisory committee, Feb 2018-
* Kabita Balil (Jeff Biernaskie, supervisor), PhD Supervisory committee, March 2020-

Internal Examiner:

William Andrade (Jack Hay, supervisor), Immunology, Univ of Toronto, PhD, 1996

Melfort Boulton, Pathobiol Lab Med, (Miles Johnston, supervisor), Univ of Toronto, PhD 1998

John Georgiou (Milton Charlton, supervisor), Physiology, Univ of Toronto, PhD 1999

Jessica Gagetek (Naweed Syed, supervisor), MSc, Univ of Calgary, Dec 2006

Wei-Qiao Liu (Doug Zochodne, supervisor), MSc, Univ of Calgary, July 2007

David McDonald (Doug Zochodne, supervisor), PhD, Univ of Calgary, Dec 2007

Rosiland K Alfred (Michael Kallos, supervisor), Faculty of (Biomedical) Engineering,

University of Calgary, PhD, August 30, 2011

Erin-Mai Lim (Shalina Ousman, Supervisor), Graduate program in Neuroscience, PhD, University of Calgary, July 5, 2016.

Transfer (MSc-PhD) Examiner:

Nicholas Phan (Mike Fehlings, supervisor), IMS, 2001

Examiner, Senate University of Toronto:

Stevan Casha (Mike Fehlings, supervisor), IMS, PhD 2002

External Thesis Appraiser (University of Toronto):

Gamal Seif (Charles Tator, Supervisor), IMS, MSc Sep 2005

Candidacy Exam:

Nathan J Michaels (Wee Yong, Supervisor), Graduate program in Neuroscience, University of Calgary, July 25, 2016.

Tylor Walsh (Michael Kallos, Supervisor). BME, University of Calgary, Dec 12, 2016

PhD Exam, External Examiner:

Stefan Hoyng (Martijn Malessy, Supervisor), Leiden University, Holland, November 1, 2016.

MSc Exam, External Examiner:

Matthew Curran (Ming Chan, Supervisor), University of Alberta, May 29, 2017.

Graduate seminars:

CIP, University of Calgary- “Academic peer review”, January 23, 2018 (11 learners).

PhD Exam, External Examiner:

Joelle Nadeau (Valerie Verge, Supervisor), University of Sasketchawan, May 7, 2018.

PhD Exam, Examiner

Khalil Rawji (Wee Yong, Supervisor), University of Calgary, September 13, 2018.

PhD Exam, External Examiner

Jetan Bhardwaj (Michael Fehlings, Supevisor), University of Toronto, May 11, 2020.

**Postgraduate education:**

1. Neurosurgery resident seminar, Univ of Calgary, Nerve anatomy and physiology (2 hours, 12 learners), October 1, 2018
2. Plastic surgery case review, University of Michigan (2 hours, 18 learners), October 11, 2018.
3. Neurosurgery resident seminar, Univ of Calgary, Upper extremity nerve anatomy and entrapments (2 hours, 12 learners), October 15, 2018
4. Neurosurgery resident seminar, Univ of Calgary, Lower extremity nerve anatomy and nerve entrapments (2 hours, 12 learners), October 29, 2018
5. Neurosurgery resident seminar, Univ of Calgary, Nerve and brachial plexus injuries (2 hours, 12 learners), November 5, 2018
6. Neurosurgery resident seminar, Univ of Calgary, Nerve tumors (2 hours, 14 learners), Nov 27, 2018
7. Neurosurgery resident seminar, Univ of Calgary, Nerve exam (1 hours, 14 learners), Dec 3, 2018
8. Canmeds seminar (Canadian and US Health Care Systems), Neurosurgery residents (1 hour, 15 learners), Dec 10, 2018
9. Neurosurgery OSCE. Prep of cases (4 hours) and exam administration (3 Hours; 12 examinees) November 2019
10. CIP Seminar, Academic peer review, CIP Trainees (1 hour, 7 learners) , Feb 4, 2020
11. Neurosurgery resident seminar, Univ of Calgary, Nerve injury and clinical nerve exam (2 hours, 12 learners), October 5, 2020.
12. Neurosurgery resident seminar, Univ of Calgary, BPI, upper extremity nerve anatomy and entrapments (2 hours, 12 learners), October 26, 2020
13. Neurosurgery resident seminar, Univ of Calgary, Lower extremity nerve anatomy and nerve entrapments (2 hours, 12 learners), November 2, 2020
14. Neurosurgery resident seminar, Univ of Calgary, Nerve tumors (2 hours, 14 learners), Nov 16, 2020
15. Neurosurgery OSCE. Prep of cases (4 hours) and exam administration (3 Hours; 13 examinees) November 23, 2020
16. Neurosurgery written exam prep (2 hours) and review (1 hour), November 30, 2020
17. Canmeds seminar: Leadership in healthcare (1 hour + 4 hours prep time; 12 resident trainees), Feb 8, 2021
18. OSCE-RCPSC Exam prep chief residents May 3, 2021 (3 hours)
19. Judge, Neurosurgery resident research day, University of Manitoba, June 2 2021 (9 presentations, 2 hours)
20. Planning for faculty career in neurosurgery, Neurosurgery Residents, University of Toronto (30 trainees, 1 hour), June 9, 2021

**Undergraduate education (2020 onwards):**

1. Course 5- small group sessions, August-Sep 2020, 4 hours
2. Clinical core- bedside neurological exam, 5 hours, Feb 2 2021
3. Course 5- small group sessions, August-Sep 2021, 10 hours

**VI. ADMINISTRATIVE RESPONSIBILITIES**

**i. Departmental**

1. Chairman, Peripheral Nerve Committee, University of Toronto, Department of Surgery (Division of Neurosurgery) 1996-2004
2. Member, RPC, Division of Neurosurgery, UofT 2000-2004
3. Division Head, Division of Neurosurgery, Department of Clinical Neurosciences 2004-2012
4. Head, Search Committee, Epilepsy Neurosurgeon 2006
5. Search and committee, Frank LeBlanc Spinal Cord Leadership Chair, HBI and UofC 2006-7
6. Head, Search Committee, Skull Base Neurosurgeon 2007-8
7. Head, Search Committee, Pediatric and Trauma Neurosurgeon 2007- 8
8. Head, Search Committee, Academic spinal neurosurgeon 2008-9
9. Head, Search Committee, Academic spinal neurosurgeon 2010-11
10. Head, Search Committee, Cerebrovascular neurosurgeon 2010-11
11. Head, Search Committee, Surgical oncology neurosurgeon 2011-12
12. Head, Search committee, neuromuscular neurology 2014-15
13. Head, Search committee, epilepsy neurology, clinician scientist 2014-15
14. Head, Search committee, pediatric neurosurgery 2014-15
15. Head, Search committee, epilepsy neurology, clinical researcher 2014-15
16. Head, Search committee, Movement Disorder program, clinical leader 2015-16
17. Head, Academic search committees in DCNS (~20) 2016-

**ii. Faculty**

1. Faculty Council, Faculty of Medicine, University of Toronto 1997-2000
2. Faculty Council, Faculty of Medicine, University of Calgary 2004-present
3. Executive Committee, Hotchkiss Brain Institute (HBI) 2004-ongoing
4. Faculty Council, Faculty of Medicine, University of Calgary 2004-ongoing
5. Faculty of Medicine (UofC) Promotions Committee 2006, 2012-ongoing
6. Search and committee, Stroke Chair, HBI and UofC 2007-ongoing
7. Search and Cmte, KCCF Chair, Uof C 2007-ongoing
8. Education Committee Member, HBI 2009-12
9. Department Head, DCNS, University of Calgary and Calgary Zone, AHS 2012- ongoing
10. Member, search committee, Tourmaline Oil Chair in PD 2012-4
11. Member, search committee, Department Head Emergency Department at UofC and AHS 2013-4
12. Member, Strategic Advisory Board, HBI 2013-
13. Executive member, Rebecca Hotchkiss International Scholar Exchange committee 2013-6
14. Member, Review Committee, Libin Cardiac Sciences program 2015
15. Member, Chair committees (7 in all) 2012-ongoing
16. Member, Search Committee, HBI Director 2017-8
17. Member, 5 year Review Committee, Dept Cell Biol and Anatomy 2018-19
18. Member, S&S Committee, Search, Department Head Surgery 2020-21

**iii. University**

1. Member, RPC, Division of Neurosurgery, University of Toronto 2000-2004

**iv. Regional Health Authority**

1. Division Chief, Division of Neurosurgery, Calgary Health Region/Alberta Health Services (AHS) 2004-2012
2. Deputy Head, DCNS, Calgary Health Region/AHS 2006-12
3. Department Head, DCNS, Calgary Zone, AHS 2012-ongoing

**v. Hospital/AHS**

1. Member, Search Cmte, Head of Trauma Program, Calgary 2005
2. Member, Search Cmte, Medical Director, Neuroscience Vision and Rehab SCN 2018
3. Member, Search Cmte, Medical Co-Directors, Cardiovascualr and Stroke SCN 2021

**VII. PROFESSIONAL ACTIVITIES**

**i. Membership in professional and learned societies:**

1. Ontario Medical Association 1985-present

2. Canadian Medical Association 1985-present

3. College of Physicians and Surgeons of Ontario 1988-2004

4. Canadian Medical Protective Association 1987-present

5. Congress of Neurological Surgeons (CNS) 1988-present

6. Society for Neuroscience 1991-present

7. American Society for Peripheral Nerves (ASPN) 1992-present

8. Fellow of the Royal College of Surgeons (Canada), Neurosurgery 1994-certified

9. American Association of Neurosurgeons (AANS) 1995-present

10. Canadian Congress of Neurosurgical Sciences (CCNS) 1995-present

11. Sunderland Society 1998-present

12. American Board of Neurosurgery (certified) 11/98

13. Peripheral Nerve Society 2003-present

14. College of Physicians and Surgeons of Alberta 2004-present

15. Alberta Medical Association 2004-present

16. Society of Neurological Surgeons 06/06-present

17. American Academy of Neurological Surgery 11/07-present

**ii. Professional Service:**

**National and international committee:**

1. American Society for Peripheral Nerve (ASPN) scientific meeting committee 1996-1999

2. AANS Spine and Nerve Section of the AANS/CNS Research Committee Member 1999-present

3. ASPN Council, member at large 1998-2000

4. ASPN Scientific Meeting Program Chairman 2000-2001, 2001-02

5. AANS Spine and Nerve Section of the AANS/CNS Scientific Advisory Committee Member; Grant Reviewer 2000-01, -02, -03

6. AANS Spine and Nerve Section of the AANS/CNS Executive Council Member; Chairman Peripheral Nerve Taskforce 2001-2005

7. 1st Annual University of Toronto Peripheral Nerve Symposium, Chair and Organizer 2002

8. ASPN Council, Historian 2002-03

9. Canadian Congress of Neurological Sciences (CCNS) Abstract Review Board 2001-2, 2002-3

10. 2nd Annual University of Toronto Peripheral Nerve Symposium, Chair and Organizer 2003

11. ASPN Council, Secretary 2003-2004

12. Canadian Congress of Neurological Sciences (CCNS) Scientific Program Advisory Committee 2003-2006

13. AANS Abstract Review Board 2003

14. ASPN Council, Vice President 2004-5

15. Sunderland Society, President and Host of 2004 meeting 2004-2005

16. Congress of Neurological Surgeons, Scientific Program Committee 2004-2005

17. ASPN Council, President Elect 2005-2006

18. AANS Spine and Nerve Section of the AANS/CNS Executive Council Nominating and Research Awards Committees 2005-2010

19. ASPN Council, President 2006-2007

20. ASPN Council, Past –president 2007-2008

21. ASPN Grant Review Committee 2007-2010

22. ASPN Education Committee 2008-2011

23. ASPN Education Committee, Chair 2011-ongoing

24. Society of Neurological Surgeons, Research Committee 2009-12

25. American Academy of Neurological Surgeons, Membership Committee 2011-14

26. Sunderland Society, Membership Committee 2011-16

27. Canadian Neurosurgical Congress representative to World Federation of Neurological Surgeons (WFNS) 2103-ongoing

28. AANS Continental Delegate to WFNS 2013-ongoing

29. ASPN Grant Panel Committee 2015-2017

30. ASPN Scientifc Program Committee 2013-2017

31. Vice Chairman, Peripheral Nerve Committee, WFNS 2014-ongoing

32. Executive Council, Historian ASPN 2019-2020

**Grant Reviewer:**

1. CIHR Fall, 2003
2. CHRP-NSERC 2004-ongoing
3. CIHR Spring, 2006
4. CIHR Spring, 2009
5. DOD, US Government January, 2010
6. NSERC Fall, 2013
7. PSI, Ontario Spring, 2014
8. European Science Foundation January, 2017

**Grant panel membership:**

1. CIHR Regenerative Medicine and Nanomedicine Spring and fall, 2010
2. ASPN/PSEF 2017
3. CIHR College of Reviewers, March 2019 ongoing

**Journal Editorial Board:**

1. Journal of Reconstructive Microsurgery 1996-present

2. Journal of Neurodegeneration and Regeneration 2006-present

3. Neurosurgery, Editorial Board Canadian Liaison 2007-9

4. AANS Neurosurgeon Editorial Board 2007-2011

5. Neurosurgery, Section Editor (Peripheral nerves) 2009-present

6. World Neurosurgery, Special Consultant Editor 2010-2015

7. Journal of Neurosurgery 2013-2018

8. Journal of Neurosurgery, Co-Chair, Editorial Board 2017-2018

9. World Neurosurgery, Section Editor (Peripheral nerves) 2015-present

10. Journal of Peripheral Nerve Surgery 2017-present

**Journal Reviewer:**

1. Muscle & Nerve 1998-ongoing

2. Annals of Neurology 2002-3

3. Neurorehab Neural Repair 2004-ongoing

4. Tissue Engineering 2004-ongoing

5. Neurosurgery 2005-ongoing

6. Behavioural Brain Research 2005-ongoing

7. Clinical Anatomy 2005-ongoing

8. Journal of Neuroscience Methods 2005-ongoing

9. Canadian Journal of Neurological Sciences 2006-ongoing

10. Experimental Neurology 2007-ongoing

11. Cell Biology International 2009-ongoing

12. Biomaterials 2009-ongoing

13. Journal of Cellular and Molecular Medicine 2010-ongoing

14. Journal of Neuropathologhy and Experimental Neurology 2010-ongoing

15. Stem cell 2010-ongoing

16. Annals of Anatomy 2010-ongoing

17. J Neurotrauma 2011-ongoing

18. Acta Biomateriala 2011-ongoing

19. Brain 2012-ongoing

20. Exp Brain Research 2012-ongoing

21. J Neuroscience 2012-ongoing

22. Science Translational Medicine 2012-ongoing

23. Ann Neurol 2012-ongoing

24. Plos One 2013-ongoing

25. PNAS 2014-ongoing

26. Neural Regeneration Research 2014-ongoing

27. Nature Neurosci 2015-ongoing

**Other:**

**Fundraising Activities and (Medical) Advisory Boards:**

1. Children’s Injured Nerve (CHIN UP) Foundation MAB and assisted development of James F. Crothers Family Award in Peripheral Nerve Damage, a 1M Endowment at University of Toronto 2000-2004

2. Developed the David Kline Research Award (25K/annual) within the AANS/CNS Joint Section of Spine and Peripheral Nerve Disorders via securing funding from Integra 2002-2006

3. Established the Center of Excellence in nerve regeneration at the University of Calgary, a partnership between HBI and Integra Lifesciences (~100K/year for 5 years) 2010-2015

4. Member, Strategic Advisory Board, Hotchkiss Brain Institute 2013-ongoing

5. Department of Clinical Neurosciences- community philanthropy in Calgary (~2.5 M CAD$) 2012-ongoing

**VIII. RESEARCH SUPPORT**

 **(currently active are bolded):**

1. Medical Research Council (MRC) Fellowship awarded for 2 years (stipend $35,000 per year approximately). 1990-1992
2. Plastic Surgery Education Foundation research grant awarded in collaboration with Dr. S.E. Mackinnon for 1 year. Grant title: Schwann cell replacement in rejecting peripheral nerve allografts. Grant amount: $10, 000 U.S. 1991-1992
3. Sunnybrook Trust for Medical Research. Title: Target specificity in nerve allograft regeneration. Amount: $50, 000. 07/1995-06/1996
4. The Physicians’ Services Incorporated (PSI) Foundation. Title: Target specificity in nerve allograft regeneration. Grant amount: $117, 000. 07/1995-12/1997
5. Connaught New Staff Matching Grant, University of Toronto. Title: Host and donor Schwann cells in nerve allografts. Grant amount: $26, 520. 05/1997-04/1999
6. Dean’s Fund New Staff Grant, University of Toronto. Title: Fibroblast growth factor enhanced tubes for repair of peripheral nerve injuries. Amount: $ 9, 811. 02/1998-01/2000
7. The Physicians’ Services Incorporated (PSI) Foundation. Title: Sensory and motor axons in long peripheral nerve allografts under temporary immunosuppression. Midha R, Ang LC. Grant amount: $ 116, 500 01/1998-12/1999
8. Medical Research Council of Canada. Title: Lymphatic drainage of the central nervous system: relevance to pediatric hydrocephalus. Johnston MG (PI), Midha R, Flessner MF. Grant amount: $ 482, 234. 1999-2004
9. Ontario Neurotrauma Foundation. Title: Delivery of therapeutic agents via a novel synthetic graft to augment axonal regeneration. Midha R, Shoichet MS, Tator CH. Grant amount: $120, 000. 1999-2001
10. Canadian Institutes of Health Research - Canadian Neurotrauma Research Program. Title: Quantitative magnetic resonance imaging of neural tissue following trauma. Stanisz G (PI), Schwartz MLS, Henkelman, RM, Midha R. Grant amount: $122, 642. 2000-2002
11. Ontario Neurotrauma Foundation. Title: Serial SSEP studies for predicting outcome in comatose patients with head injuries. Houlden DA (PI), Midha R, Feinstein A, Schwartz MLS. Grant amount: $101, 900. 2000-2002
12. The Physicians’ Services Incorporated (PSI) Foundation. Title: Bioengineered alternatives to nerve graft for repair of peripheral nerve injuries. Midha R (PI), Shoichet MS. Grant amount: $136, 000. 2001-2003
13. Premier’s Research Excellence Award. Title: Use of synthetic nerve grafts to improve nerve regeneration. Midha R. Grant amount: $150, 000 2001-2006
14. Hospital for Sick Children Foundation. XG 02-032 Title: Bioengineered nerve grafts. Midha R (PI), Shoichet MS. Grant amount: $129, 858 (Declined; overlap with #12)
15. Ontario Research Development Challenge Fund (ORDCF). Title: The establishment of an Advanced Regenerative Tissue Engineering Centre (ARTEC) based at SWCHSC and University of Toronto. Semple J (PI); Co-applicants (alphabetical order): Fish J, Midha R, Sefton M, Shoichet MS, Woodhouse K. Grant amount: TBD 2003-2004
16. Canadian Institutes of Health Research. Title: In vivo testing of a novel artificial graft to improve peripheral nerve regeneration. Midha R, Aubert I, Shoichet MS. Grant amount: $253, 557 2002-2005
17. Natural Sciences and Engineering Research Council of Canada Equipment Grant. Title: Tissue engineering cell culture facility. Shoichet MS (PI), Midha R, Sefton MV, Tator CH. Grant amount: $88, 670 2002-2003
18. Canadian Institutes of Health Research. Title: Quantitative magnetic resonance of neuronal tissue following trauma. Stanisz GJ (PI), Midha R. Grant amount: $224, 349 2002-2005
19. Department of Clinical Neurosciences and Faculty of Medicine, University of Calgary. Title: Peripheral nerve regeneration laboratory. Grant amount: $225, 000 2004-2006
20. Alberta Heritage Fund for Medical Research. Independent Establishment Award. Title: Strategies to enhance peripheral nerve regeneration. Midha R. Grant Amount: $250, 000 2005-2007
21. Integra LifeSciences Foundation Peripheral Nerve Fellowship Midha R (Salary support for Q-G Xu and A Bassam) Grant Amount $25, 000 (US) 2006-2007
22. David Kline Research Award, AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerve. Title: The capability of skin derived stem cells to promote nerve regeneration, through Schwann cell differentiation. Midha R, Magaldi M. Grant Amount $15, 000 (U.S.) 2006-2007
23. CIHR Regenerative Medicine and Nanomedicine Group Grant  RMF-82496: Dynamic manipulation of nerve regeneration: an electronic-axon interface. Zochodne D, Midha R, Jullien G, Syed NI, Verge VMK, Gordon T, Chan KM. Grant amount $2, 250, 000 ($320, 000, ~65K/yr, towards R Midha) 2007-2012
24. CIHR. Repair of nerve injuries using skin derived precursor cells. Midha R, Gordon T. Grant amount $272,508 ($90 836/yr X 3) 2007-2010
25. *Axogen*. AG-T-1 Nerve graft large animal study: evaluation of regeneration across long nerve autografts compared to AVANCE allografts in sheep. ($103,600 U.S.$) 2007-2008
26. Integra LifeSciences Foundation Peripheral Nerve Fellowship at the University of Calgary. Midha R. Grant Amount $25,000 US 2008-2009
27. Robertson Fund (for CP Research), HBI, University of Calgary. Title: Analysis of Skilled and Unskilled Locomotor Tasks and Spinal Cord Plasticity Following Nerve Transfers. Midha R, Webb A. grant Amount $20,645 2008-2010
28. Canadian Foundation for Innovation. Regeneration Unit in Neurobiology (RUN), D Zochodne PI, Midha and several others co-PIs. Total grant $3,240, 933 (CFI ~ 1.2M) 2009-2012
29. Cloward Award, AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerve. Peripheral nerve fellowship. Khoung H and Midha R. Grant Amount $30, 000 (U.S.) 2010-2011
30. Integra LifeSciences Foundation Peripheral Nerve Fellowship at the University of Calgary. Midha R. Grant Amount $25,000 US 2010-2011
31. *Integra LifeSciences*: Schwann cell basal lamina matrix for augmentation of nerve regeneration Midha R. Grant Amount $20,000 US 2010-2013
32. Robertson Fund (for CP Research), HBI, University of Calgary. Title: Augmentation of nerve transfer procedures with precursor stem cells to improve neurological outcome. Midha R, Webb A. Grant Amount $29,608 2010-2012
33. David Kline Research Award, AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerve. Title: motor axon misdirection in traumatic neuroma-in-continuity injury in rodents. Alant J, Midha R. Grant Amount $15, 000 (U.S.) 2011-2012
34. Integra LifeSciences Foundation Peripheral Nerve Fellowship at the University of Calgary. Midha R. Grant Amount $25,000 US 2011-2012
35. Plastic Surgery Education Foundation. Title: Motor axon misdirection in traumatic neuroma-in-continuity injury. Alant J, Midha R. Grant amount $10,000 US 2011-2012
36. Graduate Student Support Grant from the Alberta endMS RRTC, Title: Determining and optimizing the myelination capacity of skin derived precursors. Midha R, Biernaskie J, $15,000 2012-2013
37. Integra LifeSciences Foundation Peripheral Nerve Fellowship at the University of Calgary. Midha R. Grant Amount $25,000 US 2012-2013
38. Plastic Surgery Education Foundation. Title: Characterization of SKP-SC produced myelin. Grochmal J, Midha R. Grant amount $10,000 US 2012-2013
39. **University of Calgary (CSM) and Alberta Health Services. Peripheral nerve regeneration laboratory- operating support. Midha R. Support amount $1,000,000 (100, 000/annum) 2012 - 2022**
40. Alberta Institute Health Solutions- Collaborative Research Innovation Opportunity (CRIO) Project. Title: Bioprocess production of skin derived precursor (SKP) Schwann cells as autologous cell therapy for nerve and spinal cord repair. Midha R, Kallos M, Biernaskie J, Schuurmans C. Grant amount $750, 000 FRN 201200859 2013- 2017
41. Eyes High Fellowship program Award, University of Calgary Midha R, Biernaskie. Fellowship amount $100, 0000 2013- 2015
42. Integra LifeSciences Foundation Peripheral Nerve Fellowship at the University of Calgary. Midha R. Amount $ 25,000 USD 2013-2014
43. David Kline Research Award, AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerve. Title: Schwann cell therapy to reduce axonal attrition and misdirection in the injured nerve. Shapira Y, Midha R. Grant Amount $15, 000 (U.S.) 2014-2015
44. Integra LifeSciences Foundation Peripheral Nerve Fellowship at the University of Calgary. Midha R. Amount $ 25,000 USD 2014-2015
45. Alberta EndMS Regional Research and Training Centre Pilot Grant. Skin-derived Schwann cell therapy for remyelination, innate immunomodulation and axonal support in multiple sclerosis. Midha R, Ousman S. Grant amount $30, 000. 01/15-09/15
46. David Kline Research Award- Joint Section of Spine and Peripheral Nerve Disorders AANS/CNS. Title: Effectiveness of distal supercharge end-side nerve repairs. Grant Amount 10,000 US$ 2016-17
47. Integra LifeSciences Peripheral Nerve Fellowship at the University of Calgary. Midha R. Amount $ 25,000 USD 2016-17
48. CIHR 2016 Project Scheme (Bridge Fund Amount $100, 000). Thromboprophylaxis After Significant Traumatic Brain Injury: A Randomized Controlled Trial. Pirouzmand, Farhad; Scales, Damon; English, Shane; Fourney, Daryl; Fowler, Robert; Geerts, William; Greisdale, Donald; Jabehdar Maralani, Pejman; Kramer, Andreas; Kutsogiannis, Jim; Macdonald, Loch; Machnowska, Matylda; Mansouri, Alireza; Midha, Rajiv; O’Kelly, Cian; Patel, Chirag; Pronovost, Antoine; Pinto, Ruxandra (Role: co-PI) 2016-17
49. **Calgary Health Trust. Peripheral nerve regeneration research. Donor-directed grant support, $150, 000 2017-2021**
50. **CIHR Project Grant. Understanding Schwann cell heterogeniety for improved nerve repair. Midha R, Biernaskie J and Schuurmans C. $ 1,077,020 2018-2023**
51. **CIHR 2018 Project Scheme. Thromboprophylaxis After Significant Traumatic Brain Injury: A Randomized Controlled Trial. Pirouzmand, Farhad; Scales, Damon; English, Shane; Fourney, Daryl; Fowler, Robert; Geerts, William; Greisdale, Donald; Jabehdar Maralani, Pejman; Kramer, Andreas; Kutsogiannis, Jim; Macdonald, Loch; Machnowska, Matylda; Mansouri, Alireza; Midha, Rajiv; O’Kelly, Cian; Patel, Chirag; Pronovost, Antoine; Pinto, Ruxandra (Role: co-PI) $2,300,000 2018-2023**
52. **Integra LifeSciences Peripheral Nerve Fellowship at the University of Calgary. Midha R. Amount $ 50,000 USD 2019-21**
53. **HBI BMH Team Research Intitive Award. Single cell trascriptomics to characterize the human peripheral nerve. Ousman S, PI. Biernaskie J, Midha R and Pfeffer G (co-PIs). $60,000 June 2019 -Dec21**
54. **DOD Grant. Nerve transfers to improve upper extremity function and quality of life in tetraplegic patients. Ray W (PI), Yang L, Midha R (co-PI), Jones W, Zager E, Mahan M and Wilson TJ. 3,500,000 US$ (~350 K US$ to U Calgary) Jan 2020-Dec 2024**
55. **Kline Award for peripheral nerve research. Use of focused ultrasound for reversible opening of the blood nerve barrier. Umansky D and Midha R. 10,000 US$ March 20- Dec 21**

**IX. INVITED ADDRESSES**

**Invited Speaker Presentations & Courses:**

1. Moderator, Scientific Session I, ASPN, St. Louis, MO, May 31, 1996.
2. Nerve regeneration: animal models, ASPN, St. Louis, MO, June 1, 1996.
3. Regeneration through nerve allografts, Neuroscience Research Seminar, Johns Hopkins University, Baltimore, MD, June 20th, 1996.
4. Upper extremity entrapment syndromes, CNS, Montreal, Quebec, September 30th, 1996.
5. Femoral, saphenous, and sural nerve injuries at Symposium I- Management of selected nerve injuries. Spine and Peripheral Nerve Section of AANS/CNS 13th Annual meeting, Newport Beach, CA, Feb 20, 1997.
6. Current management of brachial plexus injuries, Neuroscience Seminar, Ottawa General Hospital, University of Ottawa, May 30, 1997.
7. Options for the failed nerve decompression at Symposium I- Painful disorders of peripheral nerves. Spine and Peripheral Nerve Section of AANS/CNS 14th Annual meeting, Palm Springs, CA, Feb 12, 1998.
8. Surgical options for brachial plexus injuries at Peripheral Nerve Injury course. Spine and Peripheral Nerve Section of AANS/CNS 14th Annual meeting, Palm Springs, CA, Feb 11, 1998.
9. Principles of nerve regeneration and repair lecture (1 hour) and 2 day faculty for cadaveric nerve dissection and nerve repair. 10th Annual Bethesda Spine and Peripheral Nerve Workshop, USUHS, Bethesda MD., June 7-9, 1998.
10. Principles of nerve regeneration and repair lecture (1 hour) and 2 day faculty for cadaveric nerve dissection and nerve repair. 11th Annual Bethesda Spine and Peripheral Nerve Workshop, USUHS, Bethesda MD., June 14-15, 1999.
11. Brachial plexus and peripheral nerve surgery. CNS Annual Meeting, Boston, Massachusetts, Oct 30, 1999.
12. Surgical management of brachial plexus pathology. CNS Annual Meeting, Boston, Massachusetts, Nov 1, 1999.
13. Synthetic bridges to repair PNS and CNS injuries. 2000 Keith Professorship in Neurosurgery, University of Toronto, Feb 15, 2000.
14. Autologous nerve grafts (alternatives). 16th Annual Meeting of AANS/CNS Spine and Peripheral Nerves, Indian Wells, CA Feb 24, 2000.
15. Mechanisms and classification of nerve injury, biology of nerve degeneration and regeneration. Less common nerve entrapments and injuries. Practical course: peripheral nerve for residents, AANS 2000 Annual Meeting, San Francisco, CA, April 8, 2000.
16. Strategies for enhancing peripheral nerve regeneration. Trauma Research Day, University of Toronto, April 19, 2000.
17. Common peripheral neuropathies. Toronto Neurology Update, University of Toronto, May 5, 2000.
18. Management of nerve injuries. Department of Emergency Medicine Grand Rounds, University of Toronto, May 9, 2000.
19. Principles of nerve regeneration and repair lecture (1 hour) and 2 day faculty for cadaveric nerve dissection and nerve repair. 12th Annual Bethesda Spine and Peripheral Nerve Workshop, USUHS, Bethesda MD., June 12-13, 2000.
20. Faculty, Cadaveric course: Exposure and surgery of the peripheral nerves (8 hours), San Antonio Sep 24, 2000, 50th CNS meeting. Lecture: Supraclavicular exposure of the brachial plexus.
21. Faculty, Seminar: Surgical management of brachial plexus pathology (2 hours), San Antonio Sep 25, 2000, 50th CNS meeting. Lecture: Management of brachial plexus injuries.
22. Course Director, Special Course II: Management of Nerve Injuries, 17th Annual Meeting of AANS/CNS Spine and Peripheral Nerves, Phoenix, AZ Feb 14, 2001.
23. Moderator, Scientific Session II: Controversies in Peripheral Nerve Disorders, 17th Annual Meeting of AANS/CNS Spine and Peripheral Nerves, Phoenix, AZ Feb 15, 2001.
24. Classification and evaluation of nerve injury. Practical clinic: Peripheral nerve for residents, AANS 2001 Annual Meeting, Toronto, ON, Canada, April 21, 2001.
25. Director and faculty, Brachial plexus and upper extremity nerve dissection course for Neurosurgery residents, MSH SSC, U of T, May 12, 2001.
26. Principles of nerve regeneration and repair lecture (1 hour) and 2 day faculty for cadaveric nerve dissection and nerve repair course. 13th Annual Bethesda Spine and Peripheral Nerve Workshop, USUHS, Bethesda MD, June 11-12, 2001.
27. Faculty, Cadaveric course: Exposure and surgery of the peripheral nerves (8 hours), San Diego Sep 30, 2001, 51st CNS meeting. Lecture: Supraclavicular exposure of the brachial plexus.
28. Growth factor enhanced tubes to repair nerve injuries, Keith Neurosurgery Lectureship, Toronto Western Hospital, University of Toronto, Feb 12, 2002.
29. Moderator, Scientific Session II: Controversies in peripheral nerve disorders, 18th Annual Meeting of AANS/CNS Spine and Peripheral Nerves, Orlando, FL Feb 28, 2002.
30. Course Director, Special Course II: Essentials of peripheral nerve surgery, 18th Annual Meeting of AANS/CNS Spine and Peripheral Nerves, Orlando, FL March 2, 2002.
31. Classification and evaluation of nerve injury. Practical clinic: Peripheral nerve injuries, entrapments and tumors: examination and evaluation, AANS 2002 Annual Meeting, Chicago, IL, April 6, 2002.
32. Director, 1st Annual University of Toronto Peripheral Nerve Symposium, May 14, 2002, Four Seasons Hotel.
33. Growth factor enhanced tubes to repair nerve injuries, 1st Annual University of Toronto Peripheral Nerve Symposium, May 14, 2002, Four Seasons Hotel.
34. Director and faculty, Lower limb nerve dissection course for neurosurgery residents, Mt Sinai Hospital Surgical Skills Centre, University of Toronto, May 21, 2002.
35. Principles of nerve regeneration and repair lecture (1 hour) and 2 day faculty for cadaveric nerve dissection and nerve repair course. 14th Annual Bethesda Spine and Peripheral Nerve Workshop, USUHS, Bethesda MD. June 6-7, 2002.
36. Update on peripheral nerve surgery, Course Director and Chair, 37th Annual Meeting, CCNS, Vancouver, BC, June 21, 2002.
37. Brachial plexus injuries: anatomy and management, at: Update on peripheral nerve surgery, 37th Annual Meeting, CCNS, Vancouver, BC, June 21, 2002.
38. Faculty, Cadaveric course: Exposure and surgery of the peripheral nerves (8 hours), Philadelphia, PA, Sep 22, 2002, 52nd CNS meeting. Lecture: Supraclavicular exposure of the brachial plexus.
39. Moderator, Scientific Session II: Peripheral nerve tumors, 19th Annual Meeting of AANS/CNS Spine and Peripheral Nerves, Tampa, FL March 6, 2003.
40. Course Director, Special Course III: Peripheral nerve comprehensive Review, 19th Annual Meeting of AANS/CNS Spine and Peripheral Nerves, Tampa, FL, March 8, 2003.
41. Nerve injuries, classification, biology of nerve degeneration and regeneration. In AANS practical clinic: Peripheral nerve injuries, entrapments and tumors: examination and evaluation, AANS Annual Meeting, San Diego, CA, April 26, 2003.
42. Course Director, Hands on peripheral nerve injuries: upper extremity nerve dissection, AANS Annual Meeting, San Diego, CA, April 26, 2003.
43. Director, 2nd Annual University of Toronto Peripheral Nerve Symposium, May 23, 2003.
44. Midha R. Future directions in peripheral nerve surgery. Symposium to honour Robin Humphreys: New Frontiers in Pediatric Neurosurgery, Univ of Toronto, May 31, 2003.
45. Principles of nerve regeneration and repair lecture (1 hour) and 2 day faculty for cadaveric nerve dissection and nerve repair course. 15th Annual Bethesda Spine and Peripheral Nerve Workshop, USUHS, Bethesda MD. June 8-9, 2003.
46. Peripheral nerves in the upper extremity: diagnosis to treatment and back to function (Surgery). Annual Jiminez Lecture at 10th Annual Academic Day for Ontario Physiatrists, Toronto, Oct 17, 2003.
47. Faculty, Cadaveric course: Exposure and surgery of the peripheral nerves (8 hours), 53rd CNS meeting. Denver, CO, (Lecture: Supraclavicular exposure of the brachial plexus), Oct 19, 2003.
48. Faculty, Luncheon Seminar: Peripheral nerve surgery: “must knows” for the practicing neurosurgeon, 53rd CNS meeting. Denver, CO, Oct 21, 2003.
49. Plenary speaker for panel: The management of peripheral nerve disorders. The management of uncommon peripheral nerve entrapment syndromes, 53rd CNS meeting. Denver, CO, Oct 21, 2003.
50. Invited speaker: Lumbar spinal stenosis, 41st Annual meeting of the Ontario College of Family Physicians, Nov 20th, 2003, Toronto, ON.
51. Translational strategies in peripheral nerve research, at the Botrell Neurosurgery Day, Nov 21st, 2003, Toronto Western Hospital, University of Toronto.
52. Course Director, Special Course IV: Back to basic series: ABCs of peripheral nerve surgery. 20th Annual Meeting of AANS/CNS Spine and Peripheral Nerves, San Diego, CA, March 19, 2004.
53. “Thoracic outlet syndrome does not exist”, at David Cahill Memorial Controversies Session. 20th Annual Meeting of AANS/CNS Spine and Peripheral Nerves, San Diego, CA, March 20, 2004.
54. Contemporary management of brachial plexus injuries. 20th Annual upper extremity update. University of Toronto, April 2, 2004.
55. Nerve injuries, classification, biology of nerve degeneration and regeneration. In AANS practical clinic: Peripheral nerve injuries, entrapments and tumors: examination and evaluation, AANS Annual Meeting, Orlando, FL, May 1, 2004.
56. Discussant: Sciatic nerve lesions: management and outcome in 374 surgical LSUHSC cases. AANS Annual Meeting, Orlando, FL, May 4, 2004.
57. Entrapment neuropathy and carpal tunnel syndrome, breakfast seminar at AANS Annual Meeting, Orlando, FL, May 5, 2004.
58. Moderator, Special symposium: Brachial plexus reconstruction in the 21st century. AANS Annual Meeting, Orlando, FL, May 5, 2004.
59. Principles of nerve regeneration and repair lecture (1 hour) and 2 day faculty for cadaveric nerve dissection and nerve repair course. 9th Annual Bethesda Peripheral Nerve Workshop, USUHS, Bethesda MD, June 10-11, 2004.
60. Moderator, Stem cell and bioengineering panel, 15th Meeting of the Sunderland Society, Toronto, ON, Sep 13, 2004.
61. Translational research in peripheral nerve surgery, at the Alberta Neurosurgery meeting, Banff, Oct 2, 2004.
62. Moderator and Discussant, Management of nerve sheath tumors, 54th CNS meeting. San Francisco, CA, Oct 19, 2004.
63. Faculty, Luncheon Seminar: Peripheral nerve surgery: “must knows” for the practicing neurosurgeon, 54th CNS meeting. San Francisco, CA, Oct 19, 2004.
64. Moderator, Scientific Session A, ASPN Meeting, Fajardo, Puerto Rico, Jan 15, 2005
65. Instructional Course Co-Director (with Robert Spinner): Management of brachial plexus lesions: the state of the art and a glimpse of the future, Meeting, Fajardo, Puerto Rico, Jan 15, 2005
66. Course Director, Special Course IV: Back to basic series: ABCs of peripheral nerve surgery. 21st Annual Meeting of AANS/CNS Spine and Peripheral Nerves, Phoenix, AZ, March 11, 2005.
67. Nerve injuries, classification, biology of nerve degeneration and regeneration. In AANS practical clinic: Peripheral nerve injuries, entrapments and tumors: examination and evaluation, AANS Annual Meeting, New Orleans, LA, April 16, 2005.
68. Hands on peripheral nerve of the upper extremity. Course co-director, AANS Annual Meeting, New Orleans, LA, April 16, 2005.
69. Entrapment neuropathy and carpal tunnel syndrome, breakfast seminar at AANS Annual Meeting, New Orleans, LA, April 18, 2005.
70. Principles of nerve regeneration and repair lecture (1 hour) and 2 day faculty for cadaveric nerve dissection and nerve repair course. 10th Annual Bethesda Peripheral Nerve Workshop, USUHS, Bethesda MD, June 8-9, 2005.
71. Moderator, spine and nerve session at CCNS Annual Meeting, Ottawa, ON, June 15, 2005.
72. Management of brachial plexus injuries in Seminar: Peripheral Nerve Injuries at WFNS Meeting, Marrakesh, Morocco, June 20, 2005.
73. Moderator, Peripheral nerve session: “primer on managing common peripheral nerve problems”, Oct 11, 2005, CNS Annual Meeting, Boston, MA.
74. “Emerging techniques for nerve repair: nerve transfers and nerve guidance tubes” at General scientific session III: Tools, Oct 12, 2005, CNS Annual Meeting, Boston, MA.
75. “Intraoperative techniques” at Luncheon Seminar W42: “Practical management of peripheral nerve injury”, Oct 12, 2005, CNS Annual Meeting, Boston, MA.
76. “Management of peripheral nerve injuries” at Trauma grand rounds (CHR Trauma Services), Oct 28, 2005, Calgary, AB.
77. Moderator, Scientific Session D, ASPN Meeting, Tuscon, AZ, Jan 15, 2006.
78. Instructional Course Co-Director (with Robert Spinner): Management of brachial plexus lesions: the state of the art and a glimpse of the future, ASPN Meeting, Tuscon, AZ, Jan 15, 2006.
79. Nerve injuries, classification, biology of nerve degeneration and regeneration. In AANS practical clinic: Peripheral nerve injuries, entrapments and tumors: examination and evaluation, AANS Annual Meeting, San Francisco, CA, April 22, 2006.
80. Hands on peripheral nerve of the upper extremity. Course co-director, AANS Annual Meeting, San Francisco, CA, April 22, 2006.
81. Lectures on: 1. Anatomy and 2. Priorities of Reconstruction; Faculty for surgery and anatomical dissection at: 2006 Advances in adult brachial plexus reconstruction- a surgical skills course, Mayo Clinic, Rochester, MN, April 28-30, 2006.
82. Principles of nerve regeneration and repair lecture (1 hour) and 2 day faculty for cadaveric nerve dissection and nerve repair course. 11th Annual Bethesda Peripheral Nerve Workshop, USUHS, Bethesda MD, May 31-June 1, 2006.
83. Course co-director: Peripheral nerve cadaveric course at CCNS Annual Meeting, Montreal,
84. Moderator, General neurosurgery session at CCNS Annual Meeting, Montreal, QC, June 15, 2006.
85. Faculty, Cadaveric course: Exposure and surgery of the peripheral nerves (8 hours), 56th CNS meeting. Chicago, IL, (Lecture: Infraclavicular exposure of the brachial plexus), Oct 8 2006.
86. Speaker, instructional course: peripheral nerve tumors. ASPN, San Juan, Puerto Rico, Jan 14, 2007.
87. Advances in management of nerve injuries and fracture associated nerve injuries. Orthopedic grand rounds, University of Calgary, Jan 19, 2007.
88. Differential diagnosis of spinal nerve root and peripheral nerve syndromes. Selby Conference, Park City, Utah, Feb 2, 2007.
89. ABCs of peripheral nerve surgery. Case discussion and review. 23rd Annual Meeting of AANS/CNS Spine and Peripheral Nerves, Phoenix, AZ, March 9, 2007.
90. Nerve injuries, classification, biology of nerve degeneration and regeneration. In AANS practical clinic: Peripheral nerve injuries, entrapments and tumors: examination and evaluation, AANS Annual Meeting, Washington DC, April 15, 2007.
91. Hands on peripheral nerve of the upper extremity. Course co-director, AANS Annual Meeting, Washington DC, April 15, 2007.
92. Discussant, Posttraumatic elevation in extracellular glycerol results in increased lactate production, AANS Annual Meeting, Washington DC, April 16, 2007.
93. Moderator, Peripheral Nerve Plenary Session, AANS Annual Meeting, Washington DC, April 17, 2007.
94. Principles of nerve regeneration and repair lecture (1 hour) and 2 day faculty for cadaveric nerve dissection and nerve repair course. 12th Annual Bethesda Peripheral Nerve Workshop, USUHS, Bethesda MD, May 10-May 11, 2007.
95. Repair of spinal cord and CNS-PNS injuries, at the American Society for Reconstructive Microsurgery Day at WSRM meeting, Athens, Greece, June 23, 2007.
96. TOS and unusual upper extremity nerve entrapments, at the WFNS Interim meeting/AACNS, Nagoya, Japan, Nov 20, 2007.
97. The future of nerve repair, at the WFNS Interim meeting/AACNS, Nagoya, Japan, Nov 20, 2007.
98. Speaker and instructor. Topic: upper extremity and brachial plexus nerve anatomy and exposure. At: Spine and peripheral nerve anatomy and surgery course, Univ of Calgary, Jan 10, 2008.
99. Speaker, instructional course: peripheral nerve tumors. ASPN, Los Angeles, CA, Jan 13, 2008.
100. Peripheral nerve exposure and nerve repair techniques: nerve grafting and conduits. 24th Annual Meeting of AANS/CNS Spine and Peripheral Nerves, Orlando, FL, Feb 29, 2008.
101. Moderator, Scientific Session, 24th Annual Meeting of AANS/CNS Spine and Peripheral Nerves, Orlando, FL, Feb 29, 2008.
102. University of Calgary, Rocky Mountain Basic Science Symposium, (“Advances in nerve repair”), Kananskis, AB, March 7-9, 2008.
103. Principles of nerve regeneration and repair lecture (1 hour) and 2 day faculty for cadaveric nerve dissection and nerve repair course. 13th Annual Bethesda Peripheral Nerve Workshop, USUHS, Bethesda MD, April 15-April 16, 2008.
104. Hands on peripheral nerve of the upper extremity. Course co-director, AANS Annual Meeting, Chicago, IL April 26, 2008.
105. Nerve injuries, classification, biology of nerve degeneration and regeneration. In AANS practical clinic: Peripheral nerve injuries, entrapments and tumors: examination and evaluation, AANS Annual Meeting, Chicago, IL, April 27, 2008.
106. Panellist, Controversial cases in obstetric nerve palsies and tumors, AANS Annual Meeting, Chicago, IL, April 30, 2008.
107. Stem cells for nerve regeneration, at Symposium 2D, Biology of nerve regeneration (D Zochodne, Moderator), Canadian Neuroscience Meeting, Montreal, PC, May 27, 2008.
108. Panellist, The perfect model: bridging the (nerve injury) gap between animals and humans. 17th Meeting of the Sunderland Society, Mayo Clinic, Rochester, MN, Aug 25, 2008.
109. Course Director, Practical Course PC31: Principles of peripheral nerve surgery. CNS, Orlando, FL, Sep 21, 2008.
110. Panellist, PC31: Biology of nerve injury and regeneration, CNS, Orlando, FL, Sep 21, 2008.
111. Speaker and instructor. Topic: upper extremity and brachial plexus nerve anatomy and exposure. At: Spine and peripheral nerve anatomy and surgery course, Univ of Calgary, Jan 7, 2009.
112. Panellist, Instructional course: Bioengineering of peripheral nerves, ASPN, Maui, Hawaii, Jan 11, 2009.
113. Unusual entrapment neuropathy. Indo-Canadian Neuro Update, Kolkatta, India, Jan 25, 2009.
114. Indications, techniques and outcomes of nerve transfers in reference to brachial plexus injuries. Indo-Canadian Neuro Update, Kolkatta, India, Jan 25, 2009.
115. Peripheral nerve exposure and nerve repair techniques: nerve grafting and conduits. 25th Annual Meeting of AANS/CNS Spine and Peripheral Nerves, Phoenix, AZ, March 13, 2009.
116. Advances in Nerve Repair. Atlantic Clinical Neurosciences Society Meeting, Halifax, NS April 18, 2009.
117. Course Director, 14th Annual International Peripheral Nerve Workshop, Bethesda MD, April 21-22, 2009. Principles of nerve regeneration and repair lecture (1 hour), nerve tumor management (1 hour) and 2 day faculty for cadaveric nerve dissection and nerve repair course.
118. Hands on peripheral nerve of the upper extremity. Course co-director, AANS Annual Meeting, San Diego, CA May 3, 2009.
119. Nerve injuries and principles of physiology. In AANS practical clinic: Peripheral nerve injuries, entrapments and tumors: examination and evaluation, AANS Annual Meeting, San Diego, CA, May 3, 2009.
120. Panellist, Great Masqueraders: incidental soft tissue mass on MRI, AANS Annual Meeting, San Diego, CA May 5, 2009.
121. Advances in Nerve Repair. Annual Meeting of the Canadian Association of Physical Medicine and Rehabilitation, Banff, AB May 30, 2009.
122. Course Director: Peripheral nerve surgery. Course panellist: Management of brachial plexus injuries in 2009. Canadian Neurological Sciences Federation, Halifax, NS, June 12, 2009.
123. Peripheral nerve surgery: a comprehensive hands on cadaveric course. Teacher and lecturer (Surgical anatomy of the supraclavicular approach to the brachial plexus; Surgical anatomy of the sciatic nerve from buttock to the popliteal fossa). XIV World Congress of Neurological Surgery, Boston, MA, Aug 30, 2009.
124. Panellist: Nerve transfers, in: New perspectives on peripheral nerve trauma. XIV World Congress of Neurological Surgery, Boston, MA, Sep 1, 2009.
125. Course Director, Practical Course PC35: Principles of peripheral nerve surgery. CNS, New Orleans, LA, Oct 25, 2009.
126. Panellist, PC35: Biology of nerve injury and regeneration, CNS, CNS, New Orleans, LA, Oct 25, 2009.
127. Moderator, Luncheon seminar: Treatment of peripheral nerve and brachial plexus trauma (T19), CNS, New Orleans, LA, Oct 27, 2009.
128. Co-Moderator (with T Gordon), Session III. 18th Meeting of the Sunderland Society, Shanghai, China, Nov 2, 2009.
129. Moderator. Peripheral nerve regeneration and repair. International Society for Neural Regeneration (ISNR) Meeting, Asilomar, CA, Dec 10, 2009.
130. Panellist. Reinnervating muscle: from the lab to the clinic. With Tessa Gordon and Ming Chan. ASPN, Boca Raton, FL, Jan 10, 2010.
131. Co-moderator, Scientific Session 5: The nerve gap, allografts and conduits. ASPN, Boca Raton, FL, Jan 10, 2010.
132. Peripheral nerve exposure and nerve repair techniques: Basics of nerve injury and physiology. 26th Annual Meeting of AANS/CNS Spine and Peripheral Nerves, Orlando, FL, February 19, 2010.
133. Nerve injuries, classification, biology of nerve degeneration and regeneration. In AANS practical clinic: Peripheral nerve injuries, entrapments and tumors: examination and evaluation, AANS Annual Meeting, Philadelphia, PA May 1, 2010.
134. Hands on peripheral nerve of the upper extremity. Course co-director, AANS Annual Meeting, Philadelphia, PA May 1, 2010.
135. Plenary talk at Peripheral nerve section: What’s new in brachial plexus surgery. AANS Annual Meeting, Philadelphia, PA May 5, 2010.
136. Experimental nerve surgery: nerve grafts to tubes to cells at the Annual Gallie Day, Department of Surgery, University of Toronto, May 7, 2010.
137. What’s new and exciting in peripheral nerve surgery. Lecture within Neuromuscular Course. Canadian Neurological Sciences Federation, Quebec City, Quebec, June 11, 2010.
138. Peripheral nerve surgery: the basics and beyond. Course co-director, CNS, San Francisco, CA, October 17-20, 2010. Ibid, lecture on “Brachial plexus surgery”.
139. Panellist, Seminar: Peripheral nerve board review; nerve tumors. CNS, San Francisco, CA, October 17-20, 2010.
140. Management of brachial plexus injuries in 2010. 59th Annual Conference of Neurological Society of India, Jaipur, India, December 19, 2010.
141. ASPN Presidential panel: Back to the future- current advances and the future of nerve surgery. ASPN, Cancun, Mexico, Jan 14, 2011.
142. Panellist. Reinnervating muscle: from the lab to the clinic. With Tessa Gordon and Ming Chan. ASPN, Cancun, Mexico, Jan 16, 2011.
143. Nerve repair techniques, at course: Peripheral nerve exposure and nerve repair techniques. 27th Annual Meeting of AANS/CNS Spine and Peripheral Nerves, Phoenix, AZ, March 11, 2011.
144. Basics of nerve injury and regeneration. In Practical course 023: peripheral nerve injuries, entrapments and tumors: examination and evaluation. 79th Annual meeting of AANS, Denver, CO, April 10, 2011.
145. Incidental neck mass, in Symposium: practical peripheral nerve surgery. 79th Annual meeting of AANS, Denver, CO, April 12, 2011.
146. Managing peripheral nerve tumors at DCNS Grand rounds, University of Calgary April 15, 2011.
147. Director, Peripheral nerve reidents review course; course demonstrator (6 hours anatomy teaching) and lecturere (Cased based discussion), CNSF Annual Meeting, Vancouver, BC, June 15, 2011.
148. Moderator, Course: Controversies in peripheral nerve surery. 14th Interim WFNS Meeting 2011, Porto d Galinhas, Pernambuco, Brazil, Sep 13, 2011.
149. Repair of nerves: suture, fibrin glue or nerve conduits? at Course: Controversies in peripheral nerve surery. 14th Interim WFNS Meeting 2011, Porto d Galinhas, Pernambuco, Brazil, Sep 13, 2011.
150. Principles and practice of peripheral nerve surgery. Nerve injury and repair basics. Course PC24 at CNS, Washington DC, October 2, 2011.
151. Panellist, Seminar: Peripheral nerve board review; nerve tumors. CNS, Washington DC, October 2, 2011.
152. Panellist, Seminar: Peripheral nerve entrapment syndromes- diagnosis and management; Ulnar neuropathy at the elbow. CNS, Washington DC, October 3, 2011.
153. Plenary lecture: Striving to better understand: Biology of peripheral nerve repair. CNS, Washington DC, October 3, 2011.
154. Moderator, Scientific Session IV, Sunderland Society Meeting, Dec 11, 2011, New York.
155. Moderator, Special Symposium, Peripheral nerve Surgery, at Neurological Society of India 60th Annual Meeting, Banglore, India, Dec 17, 2011.
156. Current status and future trends in peripheral nerve surgery, at Neurological Society of India 60th Annual Meeting, Banglore, India, Dec 17, 2011.
157. Course faculty: BRACHCON 2011: Surgical management of brachial plexus lesions, All India Institute for Medical Sciences (AIIMS), Delhi, India, Dec 20-21, 2011.
158. Moderator, Scientific Session II, ASPN Annual meeting, Las Vegas, NV, January 14, 2012.
159. Panellist, instructional course: Tissue engineering for nerve repair, ASPN Annual Meeting, Las Vegas, NV, January 15, 2012.
160. Skin derived precursors for nerve repair, at Glial (Magdeline Gotz) Symposium, Hotchkiss Brain Institute, University of Calgary, March 6, 2012.
161. Nerve repair techniques, at Course VIII: Peripheral nerve exposure and nerve repair techniques. 28th Annual Meeting of AANS/CNS Spine and Peripheral Nerves, Orlando, Fl, March 9, 2012.
162. Instructor: Peripheral nerve course for residents (AANS). Vista lab and Johns Hopinks, Baltimore, MD, March 30, 2012.
163. Basics of nerve injury and regeneration. In Practical course 027: Peripheral nerve injuries, entrapments and tumors: examination and evaluation. 80th Annual meeting of AANS, Miami, FL, April 15, 2012.
164. When to operate- traumatic nerve lesion, in Integrative neuroscience Session 1- peripheral nerve regeneration. 64th American Academy of Neurology Annual meeting, New Orleans, LA, April 22, 2012.
165. Advances in nerve repair, in Integrative neuroscience Session 1- peripheral nerve regeneration. 64th American Academy of Neurology Annual meeting, New Orleans, LA, April 22, 2012.
166. Femoral nerve and lateral femoral nerve entrapment, in 13th Dubai Spine Conference. Dubai, UAE, May 3, 2012.
167. Peroneal nerve entrapment and tarsal tunnel syndrome, in 13th Dubai Spine Conference. Dubai, UAE, May 3, 2012.
168. Brachial plexus and upper extremity nerve surgery and approaches, in 13th Dubai Spine Conference, post-meeting Cadaveric Course. Dubai, UAE, May 4, 2012.
169. General principles of nerve transfers; Transfers of the distal accessory nerve to the suprascapular nerve (anterior approach), in Nerve transfers in the treatment of upper limb neural injuries:- indications, techniques and results. Human cadaver dissection course, University of Sao Paolo Medical School, Sao Paulo, Brazil, May 11-13, 2012.
170. Session Chair: Session D1-I Electrical stimulation and regenerative medicine. 17th Annual meeting of the International Functional Electrical Stimualtion Society (IFESS), September 9, 2012, Banff, AB, Canada.
171. Direct nerve and transynaptic spinal cord electrical stimulation to improve axonal regeneration and target reinnervation, at IFESS, September 9, 2012, Banff, AB, Canada.
172. Panellist, Seminar: Peripheral nerve board review; nerve tumors. CNS, Chicago, Il October 8, 2012.
173. Panellist, Seminar: Acute and long-term management of peripheral nerve trauma. CNS, Chicago, Il October 9, 2012.
174. Moderator, Scientific Session VI, ASPN Annual meeting, Naples, FL, January 13, 2013.
175. Panellist, instructional course: Tissue engineering and nerve, ASPN Annual Meeting, Naples, FL, January 13, 2013.
176. Panellist, ASRM/ASPN: Nerve and technology, Naples, FL, January 13, 2013.
177. Nerve repair techniques, at Course VIII: Peripheral nerve exposure and nerve repair techniques. 29th Annual Meeting of AANS/CNS Spine and Peripheral Nerves, Scottsdale, AZ, March 8, 2013.
178. Basics of peripheral nerve surgery. In Practical course 020: Peripheral nerve injuries, entrapments and tumors: examination and evaluation. 81st Annual meeting of AANS, New Orleans, LA, April 28, 2013.
179. Introducton and moderator of David Kline Lecturer. 81st Annual meeting of AANS, New Orleans, LA, April 30, 2013.
180. Surgery for upper extremity nerve injury. Annual meeting of the Canadian Society of Hand Therapists. Calgary, Alberta, May 4, 2013.
181. Cell therapy and growth factor based approaches for nerve repair. In Panel: Tissue Engineering for Nerve Repair, at Gordon Research Conference, Holderness, NH, June 29, 2013.
182. Moderator, Scientific session #5, 20th Sunderland Society meeting, Leiden, NL, September 17, 2013.
183. Panellist, Seminar: Peripheral nerve board review; nerve tumors. CNS, San Francisco, CA, October 21, 2013.
184. SCNBA, Neuropinamer 2013. Peripheral nerve repair: who, when and what? Pinamer, Buenos Aires, Argentina, November 29, 2013.
185. SCNBA, Neuropinamer 2013. Pearls and pitfalls in managing peripheral nerve tumors. Pinamer, Buenos Aires, Argentina, November 29, 2013.
186. Couse Director, Peripheral nerve cadaver course, Jan 9, 2014, University of Calgary.
187. Moderator, Poster session, ASPN meeting, Kauai, HI, January 11, 2014
188. Moderator, Course: Managing the nerve gap- conduits, allografts or autografts. ASPN meeting, Kauai, HI, January 12, 2014.
189. Panellist, Past President Panel, Interesting nerve cases, ASPN meeting, Kauai, HI, January 12, 2014.
190. Course Director, Course: Peripheral nerve surgery: case-based approach and review. 30th Annual Meeting of AANS/CNS Disorders of Spine and Peripheral Nerves, Orlando, FL, March 6, 2014.
191. Course Participant, Course: Innovations and new technology in spine and nerve srgery. 30th Annual Meeting of AANS/CNS Disorders of Spine and Peripheral Nerves, Orlando, FL, March 7, 2014.
192. Basic sciences of nerve injury, repair and regeneration. In Practical course 011: Peripheral nerve injuries, entrapments and tumors: examination and evaluation. 82nd Annual meeting of AANS, San Francisco, CA, April 5, 2014.
193. Moderator, breakfast seminar 101: Update on Rx of nerve tumors/MPNSTs/peripheral nerve spinal tumors. 82nd Annual meeting of AANS, San Francisco, CA, April 7, 2014.
194. Count-counterpoint peripheral nerve section session. Radial neuropathy with humeral fracture. Role of acute nerve repair? 82nd Annual meeting of AANS, San Francisco, CA, April 9, 2014.
195. Instructor: Peripheral nerve course for residents (AANS and NREF). Vista lab and Johns Hopkins, Baltimore, MD, May 16, 2014. All day cadaver course with 32 learners.
196. Advances in nerve repair: experimental and clinical. 10th Annual HBI Research Day, Calgary, AB, June 19, 2014.
197. Practical clinic instructor and panellist: Peripheral nerve anatomy and surgery (cadaver course), 8 hours, CNS, Boston, MA, October 18, 2014.
198. Panellist, Seminar: Peripheral nerve board review; nerve tumors. CNS, Boston, MA, October 21, 2014.
199. Recent advances in peripheral nerve surgery. 4th Annual Meeting of the Indian Society of Peripheral Nerve Surgery (ISPNS), Lucknow, India, Nov 7, 2014.
200. Moderator, Session II: Adult brachial plexus injuries (pan-plexus injuries), 4th Annual Meeting of the Indian Society of Peripheral Nerve Surgery (ISPNS), Lucknow, India, Nov 7, 2014.
201. How to make a cable nerve graft. 4th Annual Meeting of the Indian Society of Peripheral Nerve Surgery (ISPNS), Lucknow, India, Nov 8, 2014.
202. Management of acute nerve injuries. 4th Annual Meeting of the Indian Society of Peripheral Nerve Surgery (ISPNS), Lucknow, India, Nov 8, 2014.
203. Surgery for peripheral nerve tumors: pearls and pitfalls. 4th Annual Meeting of the Indian Society of Peripheral Nerve Surgery (ISPNS), Lucknow, India, Nov 9, 2014.
204. Course Director, Peripheral nerve cadaver course, Jan 7, 2015, University of Calgary.
205. Course Director, Course: Peripheral nerve surgery: case-based approach and review. 31st Annual Meeting of AANS/CNS Disorders of Spine and Peripheral Nerves, Scottsdale, AZ, March 5, 2015.
206. Positioning in the OR- avoiding injury. Plenary session VI: Quality in Spinal Surgery. 31st Annual Meeting of AANS/CNS Disorders of Spine and Peripheral Nerves, Scottsdale, AZ, March 6, 2015.
207. Median nerve. New Orleans peripheral nerve dissection course- the Kline legacy. New Orleans, LA, March 14-15, 2015.
208. Course co-director. Peripheral nerve and brachial plexus free online course. WFNS, at <http://www.aanc.org.ar/educacion/peripheral-nerve-brachial-plexus-surgery>.
209. Skin derived Schwann cell therapies. 5th Canadian Spinal Cord Injury Meeting. Banff, Alberta, April 27, 2015.
210. Basic sciences of nerve injury, repair and regeneration. In Practical course 031: Peripheral nerve injuries, entrapments and tumors: examination and evaluation. 83rd Annual meeting of AANS, Washington DC, May 3, 2015.
211. Moderator, breakfast seminar 201: Update on Rx of nerve tumors/MPNSTs/peripheral nerve spinal tumors. 83rd Annual meeting of AANS, Washington DC, May 5, 2015.
212. Count-counterpoint peripheral nerve section session. Innovations in surgical treatment and pain management. Autograft vs Tube/allograft in the repair of major nerve injuries. 83rd Annual meeting of AANS, Washington DC, May 6, 2015.
213. Report for the 2014 Kline Research Awardee. Brief ES for neuroma in continuity nerve injuries. Y Shapira and R Midha. 83rd Annual meeting of AANS, Washington DC, May 6, 2015.
214. Moderator, Scientific sessions 3 and 4, 21st meeting of the Sunderland Society, Ann Arbor, MI, June 7, 2015.
215. Director and panellist: Peripheral nerve compression syndromes; presentation of unusual entrapment neuropathies. CNSF 50th Annual Congress, Toronto, ON, June 11, 2015.
216. Nerve tubes for nerve repair: past, present and future. Peripheral nerve committee seminar at WFNS Interim meeting, Rome, Italy, September 8, 2015.
217. Nerve surgery: current status and future directions. Young Neurosurgeons Forum at WFNS Interim meeting, Rome, Italy, September 8, 2015.
218. Course Director, PC 25- Anatomy and approaches to peripheral nerve disorders. CNS, Sep 27, 2015, New Orleans, LA.
219. Moderator, Scientific Session 6, American Academy of Neurological Surgery, Oct 9, 2015, Heidelberg, Germany.
220. Course Director, Peripheral nerve cadaver course, Jan 7, 2016, University of Calgary (1 hour lecture, 6 hours of hand-on instruction to 15 learners- residents).
221. Pearls and pitfalls in management of peripheral nerve tumors. World Congress of brachial plexus and peripheral nerve surgery. Delhi, India, Feb 6, 2016.
222. Use of nerve tubes for nerve repairs. World Congress of brachial plexus and peripheral nerve surgery. Delhi, India, Feb 6, 2016.
223. Faculty and teacher, 2nd Annual peripheral nerve anatomy and surgery review course, King Saud University College of Medicine. Riyadh, Saudi Arabia, Feb 28-29, 2016 (2 hours lecture and 12 hours of teaching including cadever dissection to 24 learners- residents and neurosurgeons).
224. Current and future of peripheral nerve surgery. Ketnote address at 10th Saudi Association of Neurological Surgery Conference. Riyadh, Saudi Arabia, March 2, 2016.
225. Course Director, Course: Peripheral nerve surgery: case-based approach and review. 32nd Annual Meeting of AANS/CNS Disorders of Spine and Peripheral Nerves (DSPN), Orlando, FL, March 17, 2016.
226. Neuroscience Symposium, Biomed Eng Student Association, University of Calgary. Lecture on Bioengineering of nerve repair. March 23, 2016.
227. Basic sciences of nerve injury, repair and regeneration. In Practical course 034: Peripheral nerve injuries, entrapments and tumors: examination and evaluation. 84th Annual meeting of AANS, Chicago IL, April 30, 2016.
228. Course Director, Practical Course 07: Peripheral nerve surgical exposure and techniques, CNS Meeting, Sep 25, 2016, San Diego, CA
229. Participant, Panel T22: Peripheral nerve board review, CNS Meeting, Sep 27, 2016, San Diego, CA.
230. Lectures: 1. Surgical management in benign and malignant peripheral nerve tumors. 2. Advances in surgical techniques in nerve repair: tubes, glue. Chair: Technical nuances and first notions in nerve trauma. In: X Theoretical and practical course in peripheral nerve and brachial plexus surgery. Nov 30-Dec 3, 2016, Leon, Spain.
231. Chair, Scientific Session II: Anatomy, surgical techniques, innovation. Sunderland Society Meeting, December 6, 2016, Frankfurt, Germany.
232. Course Director, Peripheral nerve cadaver course, Jan 11, 2017, University of Calgary (1 hour lecture, 6 hours of hand-on instruction to 12 learners- residents).
233. Instructional Course Director: Management of acute nerve injury, 2017 ASPN Annual Meeting, Waikoloa, Hawaii, Jan 13, 2017.
234. Panellist ASPN symposium- What clinicans should know about basic sciences of nerve injury. Presentation on: Schwann cell biology and therapies, 2017 ASPN Annual Meeting, Waikoloa, Hawaii, Jan 13, 2017.
235. Instructional Course Director: Management of peripheral nerve tumors, 2017 ASPN Annual Meeting, Waikoloa, Hawaii, Jan 15, 2017.
236. Median nerve and Sciatic nerve. New Orleans LSUMC peripheral nerve dissection course- the Kline legacy. New Orleans, LA, February 4-5, 2017.
237. Lecture: Fundamentals of nerve injury and regeneration, at Course: Peripheral nerve surgery: case-based approach and review. 33rd Annual Meeting of AANS/CNS Disorders of Spine and Peripheral Nerves (DSPN), Las Vegas, NV, March 9, 2017.
238. Instructor: nerve anatomy and nerve repair, at Course: Hands of cadaver lab. 33rd Annual Meeting of AANS/CNS Disorders of Spine and Peripheral Nerves (DSPN), Las Vegas, NV, March 11, 2017.
239. Basic sciences of nerve injury, repair and regeneration. In Practical course 034: Peripheral nerve injuries, entrapments and tumors: examination and evaluation. 85th Annual meeting of AANS, Los Angeles, CA April 23, 2017.
240. **Annual David Kline Lecture**: Experimental nerve injury. 85th Annual meeting of AANS, Los Angeles, CA April 26, 2017.
241. Experimental nerve injury, repair and outcome evaluation in rodents. Keynote address at 56th Annual Symposium, Canadian Association for Laboratory Animal Sciences, Calgary, AB, June 10, 2017.
242. Carpal tunnel syndrome: differential diagnosis, management and controverises. Young Neurosurgeons Forum Course, WFNS, Istanbul, Turkey, August 20, 2017.
243. Pearls and pitfalls of peripheral nerve tumor surgery. Main topic session 48, WFNS, Istanbul, Turkey, August 24, 2017.
244. Course Director, Practical Course 11: Peripheral nerve surgical exposure and techniques, CNS Meeting, Boston, MA, October 7, 2017.
245. Neurosurgery, Editor in chief roundtable panelist, CNS Meeting, Boston, MA, October 10, 2017.
246. Moderator, Part III: Basics, indications and surgical techniques in trauma, at 2nd Theoretical practical and hands-on international course in peripheral nerve and brachial plexus surgery, Belgrade, Serbia, October 31, 2017.
247. Lecture: Fundamentals of nerve injury and regeneration, at 2nd Theoretical practical and hands-on international course in peripheral nerve and brachial plexus surgery, Belgrade, Serbia, October 31, 2017.
248. Lecture: Basic approach to nerve tumors, at 2nd Theoretical practical and hands-on international course in peripheral nerve and brachial plexus surgery, Belgrade, Serbia, October 31, 2017.
249. Lecture: Peripheral nerve regeneration and repair: possibilities and challenges, at Research update in neurosciences for neurosurgeons (RUNN) course, Marine Biological Laboratory, Woods Hole, Cape Cod, MA, November 3, 2017.
250. Team sports: Calgary peripheral nerve program. First Canadian peripheral nerve symposium, London, ON, Nov 17, 2017.
251. Course Director, Peripheral nerve cadaver course, Jan 10, 2018, University of Calgary (1 hour lecture, 6 hours of hand-on instruction to 15 learners- residents).
252. Moderator, Scientific Session I, ASPN, Phoenix, AZ, Jan 12, 2018.
253. Moderator, Joint Panel AAHS-ASPN. Managing the nerve gap. Phoenix, AZ, Jan 12, 2018.
254. Panellist, Health care delivery systems. Canadian perspective. ASPN, Phoenix, AZ, Jan 12, 2018.
255. Median nerve. New Orleans LSUMC peripheral nerve dissection course- the Kline legacy. New Orleans, LA, January 27-28, 2018.
256. Lecture: Fundamentals of nerve injury and regeneration, at Course: Peripheral nerve surgery: case-based approach and review. Annual Meeting of AANS/CNS Disorders of Spine and Peripheral Nerves (DSPN), Orlando, FL, March 15, 2018.
257. Instructor: Hands on cadaver course, peripheral nerve station. Approaches to nerve exposure and repair. Annual Meeting of AANS/CNS Disorders of Spine and Peripheral Nerves (DSPN), Orlando, FL, March 16, 2018 (4 hours; 30 learners).
258. Instructor: Pre-ISPNS cadaver course. Demonstration: Supraclavicular brachial plexus exposure. AIIMS, Delhi, India, April 6, 2018.
259. Lecture: Fundamentals of nerve injury, regeneration and repair. 7th Meeting India Society for Peripheral Nerve Surgery (ISPNS). Delhi, India, April 7, 2018.
260. Lecture: Nerve transfers in spinal cord injury. 7th Meeting India Society for Peripheral Nerve Surgery (ISPNS). Delhi, India, April 7, 2018.
261. Banerjee oration: Nerve repair- opportunities and challenges. 7th Meeting India Society for Peripheral Nerve Surgery (ISPNS). Delhi, India, April 8, 2018.
262. Basic sciences of nerve injury, repair and regeneration. In Practical course 046: Peripheral nerve injuries, entrapments and tumors: examination and evaluation. 86th Annual meeting of AANS, New Orleans, LA May 29, 2018.
263. Advances in neurosurgery: peripheral nerve repair. In Plenary session: Hot topics in Neurosurgery, CNSF Congress, Halifax, Nova Scotia, June 27, 2018.
264. Plenary Invited Presentation. Advances in nerve repair, at Canadian Association of Neuromonitoring Annual Meeting, Calgary, Canada, Sep 14, 2018.
265. Course lecture, Practical Course 13: Peripheral nerve surgical exposure and techniques, Brachial plexus anatomy and exposure, CNS Meeting, Houston, TX, October 6, 2018.
266. Experimental and pre-clinical models in nerve surgery. T32 Seminar, University of Michigan, October 12, 2018.
267. Lecture: Peripheral nerve regeneration and repair: possibilities and challenges, at Research update in neurosciences for neurosurgeons (RUNN) course, Marine Biological Laboratory, Woods Hole, Cape Cod, MA, November 2, 2018.
268. Course Director, Peripheral nerve cadaver course, Jan 19, 2019, University of Calgary (1 hour lecture, 6 hours of hand-on instruction to 15 learners- residents).
269. Moderator, Scientific Session VI, ASPN, Palm Dessert, CA, Feb 3, 2019.
270. Panellist: Peripheral nerve tumors, ASPN/ASRM Instructional course, Palm Dessert, Feb 3, 2019.
271. Plenary lecture: Peripheral nerve surgery: past, present and future. 8th Annual ISPNS, Chennia, India, Feb 9, 2019.
272. Plenary lecture: Lessons learned in peripheral nerve tumor management. 8th Annual ISPNS, Chennia, India, Feb 9, 2019.
273. Median nerve. LSUMC 5th Annual Kline legacy course, New Orleans, LA, Feb 16, 2019.
274. Update on surgical management of peripheral nerve tumor. Trauma Association of Canada Annual Meeting, Calgary, AB, Canada, Feb 28, 2019.
275. Instructor: Hands on cadaver course, peripheral nerve station. Approaches to nerve exposure and repair. 35th Annual Meeting of AANS/CNS Disorders of Spine and Peripheral Nerves (DSPN), Orlando, FL, March 14, 2019 (4 hours; 25 learners).
276. Lecture: Fundamentals of nerve injury and regeneration, at Course: Peripheral nerve surgery: case-based approach and review. 35th Annual Meeting of AANS/CNS Disorders of Spine and Peripheral Nerves (DSPN), Miami, FL, March 15, 2019.
277. Plenary Lecture: Evolution of nerve repair (Peripheral Nerve Meritorious Award Lecture). 35th Annual Meeting of AANS/CNS Disorders of Spine and Peripheral Nerves (DSPN), Miami, FL, March 16, 2019.
278. Basic sciences of nerve injury, repair and regeneration. In Practical course: Peripheral nerve injuries, entrapments and tumors: examination and evaluation. 87th Annual meeting of AANS, San Diego, CA, April 14, 2019.
279. Introduction of Allan Levi, 2019 David Kline Lecturer. 87th Annual meeting of AANS, San Diego, CA, April 17, 2019.
280. Director, Practical Course 16B: Peripheral nerve surgical exposure and techniques, CNS Meeting, San Francisco, CA, October 20, 2019.
281. Moderator and speaker, Technical nuances in ulnar neuropathy surgery, CNS Meeting, San Francisco, CA, October 21, 2019.
282. Lecture: Peripheral nerve regeneration and repair: possibilities and challenges, at Research update in neurosciences for neurosurgeons (RUNN) course, Marine Biological Laboratory, Woods Hole, Cape Cod, MA, October 27, 2019.
283. Moderator, Scientific session 1. Sunderland Society Meeting, Jerusalem, Israel, November 4, 2019.
284. Course Director, Peripheral nerve cadaver course, Jan 8, 2020, University of Calgary (1 hour lecture, 6 hours of hand-on instruction to 15 learners- residents).
285. Panel speaker: Cell based therapies in nerve repair, ASPN Annual Meeting, Fort Lauderdale, FL, Jan 10, 2020.
286. Median nerve and cadaveric dissection supervision. LSUMC 6th Annual Kline legacy course, New Orleans, LA, Feb 1-2, 2020 (20 learners).
287. Lecture: Fundamentals of nerve injury and regeneration, at Course: Peripheral nerve surgery: case-based approach and review. 36th Annual Meeting of AANS/CNS Disorders of Spine and Peripheral Nerves (DSPN), Las Vegas, NV, March 6, 2020.
288. Panel speaker; 2021 Virtual meeting. Panel II: Complex peripheral nerve cases and what they taught me. January 20, 2021.
289. Panel speaker; EANS peripheral nerve surgery pre-congress course. Nerve injury classification, October 2, 2021. Hamburg, Germany (Virtual format).
290. Lecture: Decision making in peripheral nerve tumors. 5th Annual Canadian Peripheral Nerve Symposium. October 22, 2021, London, On, Canada.

**Invited Professorships:**

1. Department of Surgery (Division of Neurosurgery), University of Ottawa, Jan 26-27, 1999. Lecture: Pathology and management of nerve injuries. Grand Surgery Rounds: Epidemiology and management of brachial plexus injuries.
2. Division of Neurosurgery, University of Calgary, March 17, 2000. Neuroscience grand rounds: Contemporary management of brachial plexus injuries. Lecture: Biology, pathology and management of nerve injuries.
3. University of Edmonton, Neurosurgery and Neurosciences, Oct 7, 2005. Grand Rounds: Advances in peripheral nerve surgery.
4. Stanford University, Department of Neurosurgery, Nov 11, 2005. Grand Rounds: Emerging techniques for peripheral nerve repair.
5. Medical University of South Carolina, Department of Clinical Neurosciences, May 25, 2006. Grand Rounds: Emerging techniques for peripheral nerve repair.
6. McMaster University, Division of Neurosurgery, **Annual Shatz Lecturer** “(Advances in nerve repair”; and “Unusual entrapment neuropathies”), Neuroscience Research Day, Hamilton, ON, Oct 6, 2006.
7. University of Ottawa, Division of Neurosurgery, **Michael Richard Visiting Professor** in Neurosurgery (“Advances in nerve repair: basic and translational”; and “Unusual entrapment neuropathies”), Ottawa, ON, Nov 17, 2006.
8. Aichi Medical University Neurosurgery (“Nerve repair: current methods and future directions”), Nagoya, Japan, Nov 22, 2007.
9. Johns Hopkins University, Baltimore MD, Neurosurgery grand rounds: (“Advances in nerve repair: basic and translational”), April 17, 2008.
10. University of California San Francisco, San Fran, CA, Dept of Neurosurgery grand rounds (“Advances in nerve repair: basic and translational”), June 12, 2008 and nerve dissection resident course instruction.
11. Bangur Institute of Neuroscience and Psychiatry, Kolkatta, India, “Nerve repair advances”, January 24, 2009.
12. Atlantic Clinical Neurosciences Society Meeting, Halifax, NS “Nerve repair: Bench to clinic”, April 17-19, 2009.
13. University of Vermont (Burlington). Dept of Neurosurgery Grand rounds and **Inaugural Lester Wallman lecture** October 1, 2009. (“Advances in nerve repair: basic and translational”), and nerve dissection resident course instruction, as well as lecture on “Peripheral nerve tumors”.
14. University of Western Ontario. Dept CNS Grand Rounds: Advances in nerve repair. Oct 8, 2009.
15. University of British Columbia. Department of Surgery Grand Rounds: Advances in management of peripheral nerve injuries. Guest speaker at 3rd Annual Neurosurgery Resident Research Day: Managing nerve tumors: pearls and pitfalls. Nov 24, 2010.
16. P.D. Hinduja Hospital and Medical Research Center, Mahim, Mumbai, India. Recent advances in managing peripheral nerve injuries, March 1, 2011.
17. Medical scientist seminar series, UC Irvine and visiting professor for MD-PhD Program at UC Irvine. Advances in experimental and clinical nerve repair, March 14, 2011.
18. Mayo Clinic Department of Neurosurgery, Rochester, MN, August 16-18, 2011. Advances in nerve repair, August 17, 2011. Becoming a surgeon-scientist: opportunities and challenges, August 18, 2011.
19. 13th Annual **Norman Hill Lecture**: Advances in clinical and experimental nerve repair. University of Manitoba, Section of Neurosurgery and Grand Rounds for Clinical neurosciences, Winnipeg, MB Dec 2, 2011.
20. Amrita Institue for Medical Sciences, Cochin, India. Biology of peripheral nerve regeneration and repair, Dec 15, 2011.
21. National Institute for Mental Health and Neurosciences (NIMHANS), Banglore, India, Advances in experimental and clinical nerve repair, Dec 19, 2011.
22. All India Institute for Medical Sciences (AIIMS), Delhi, India. Posterior approaches for shoulder reanimation with nerve transfers; Evaluation of C5 and C6 spinal nerve roots for plexo-plexal repair in traumatic brachial plexus lesions, Dec 20, 2011.
23. Saint Michael’s Hospital, University of Toronto, Neuroscience Grand Rounds. Advances in nerve repair. March 12, 2012.
24. University of Miami Miller School of Medicine, Neuroscience grand rounds: Advances in peripheral nerve repair, April 19, 2012.
25. University of Sao Paulo School of Medicine, Department of Neurosurgery, Neurosurgey Human Cadaveric Nerve Course, May 11-13, 2012.
26. Queen’s University Department of Surgery Annual Research Day, Kingston, Ontario. “Advances in nerve repair” and “Pearls and pitfalls in manament of peripheral nerve tumors”, November 19, 2012.
27. University of Saskatoon, Saskatoon, Saskatchewan. “Advances in nerve repair” and “Cases for resident oral exam format”, March 1, 2013.
28. University of California San Francisco, San Fran, CA, Dept of Neurosurgery grand rounds (“Advances in nerve repair”), October 25, 2013.
29. Florey Institute, Parkville Site, University of Melbourne, Melbourne, VIC, Australia. “Advances in nerve repairs: experimental to clinical”, January 15, 2014
30. University of Washington, Seattle, WA. Department of Neurosurgery, Grand Rounds: “Advances in nerve repair”. Resident upper extremity nerve anatomy and approaches course with cadaveric dissection, March 26, 2014.
31. Department of Neurosurgery and Neuroscience Institute, Baylor, Scott and White Healthcare Center, Temple, Texas. “Advances in nerve repair”. December 4, 2014.
32. Department of Hand Surgery, Malmo Hospital and University of Lund. “Nerve repairs- basic and clinical”, April 7, 2015.
33. Department of Clinical Neurophysiology, The Neuroscience Center, Rigshospitalet, Copenhagen, Denmark. “Advances in Nerve repair; Basic to clinical”, April 10, 2015.
34. Neuroscience Seminar, University Autonomia Barcelano (UAB). “Advances in Nerve repair: Basic and clinical”. Barcelano, Spain, July 20, 2015.
35. Department of Neurosurgery, Tulane University. “Advances in Nerve Repair- Basic to clinical”. New Orleans, LA, Oct 2, 2015.
36. Department of Neurosurgery, King Saud University. “Upper and lower extremity peripheral nerve exam”. Riyadh, Saudi Arabia, February 28, 2016.
37. Department of Rehab Medicine, Rehabilitation Institute of Chicago and Northwestern University. Grand rounds speaker: “Nerve repair advances: rats to humans.” Chicago, IL May 4, 2016.
38. Annual Congress 2016, Neurosurgery Association of Quebec. Plenary Talks: 1. Neurosurgical landscape in Canada: workforce, manpower, organization, training and academics. 2. Advances in nerve repair: Basic and Clinical. Esterel Resort, Laurentions, Quebec, Nov 11-12, 2016.
39. Department of Neurosurgery, University of Wisconsin. Grand rounds talk: Advances in nerve repair: basic and clinical. Co-director and instructor for full day peripheral nerve anatomy and surgical approach course. Madison, WI, March 24-25, 2017.
40. University of Ottawa, Division of Neurosurgery, **Brien Benoit Professor Lecture** in Neurosurgery (“Advances in experimental and clinical nerve repair”; and “Peripheral nerve tumors: pearls and pitfalls”), Ottawa, ON, May 25-26, 2017.
41. University of Michigan, Section of Plastic Surgery, **AL Dellon Lectureship** (Advances in nerve repair: basic and clinical), Ann Arbor, Michigan, October 11, 2018.
42. University of Arizona and Banner Health Neurosurgery (Neuroscience grand rounds lecture: Advances in nerve repair; 6 hours anatomy and case based teaching to residents), Tuscon, AZ, January 18, 2019.
43. Department of Neurosurgery, University of Illinois at Chicago (Grand rounds lecture: Evolution of nerve repair). Chicago, IL, April 10, 2019.
44. University of Manitoba, 13th Annual Dwight Parkinson Day, Lecture: Advances in Nerve repair: basic and clinical. Zoom online, June 2, 2021.
45. University of Toronto, World Neurosurgery Lecture Series, Lecture: Advances in nerve repair. Zoom online, June 9, 2021.

**X. PUBLICATIONS/PRESENTATIONS**

1. **Peer reviewed manuscripts (trainees underlined):**
2. Midha R, Fehlings MG, Tator CH, Saint-Cyr JA, Guha A. Assessment of spinal cord injury severity by counting corticospinal and rubrospinal neurons. Brain Res 410: 299-308, 1987.
3. Levitt AJ, Midha R and Craven JL. Neuroleptic malignant syndrome with intravenous Haloperidol. Letter. Can J Psychiatry. 35: 789, 1990.
4. Midha R, Jay V, Smyth HS. Transsphenoidal management of Rathke's cleft cysts: A clinicopathological review of 10 cases. Surg Neurol 35: 446-454, 1991.
5. Midha R, Becker LE. Vernix caseo granulomatous meningitis (vernicomyelia). Can J Neurol Sci 18: 63-65, 1991.
6. Mackinnon SE, Midha R, Bain J, Hunter DA, Wade J. An assessment of regeneration across peripheral nerve allografts in rats receiving short courses of cyclosporin A immunosuppression. Neurosci 46: 585-593, 1992.
7. Midha R, Mackinnon SE, Evans PJ, Best TJ, Wong PY. Subcutaneous injection of oral cyclosporin A solution. Microsurgery 13: 92-94, 1992.
8. Midha R, Mackinnon SE, Wade JA, Evans PJ, Best TJ, Wong PY. Chronic cyclosporin A therapy in rats. Microsurgery 13: 273-276, 1992.
9. Midha R, Mackinnon SE, Evans PJ, Best TJ, Hare GMT, Hunter DA, Falk-Wade JA. Comparison of regeneration across nerve allografts with temporary or continuous cyclosporin A immunosuppression. J Neurosurg 78: 90-100, 1993.
10. Hare GMT, Evans PJ, Mackinnon SE, Best TJ, Midha R, Szalai JP, Hunter DA. Walking track analysis: utilization of individual footprint parameters. Ann Plast Surg 30: 147-153, 1993.
11. Midha R, Evans PJ, Mackinnon SE, Wade JA. Temporary immunosuppression for peripheral nerve allografts. Trans Proc 25(1): 532-536, 1993.
12. Maeda T, Mackinnon SE, Best TJ, Evans PJ, Hunter DA Midha R. Regeneration across "stepping- stone" nerve grafts. Brain Res 618: 196-202, 1993.
13. Hare GMT, Evans PJ, Mackinnon SE, Nakao Y, Midha R, Wade(Falk) JA, Hunter DA, Hay JB. Effect of cold preservation on lymphocyte migration into peripheral nerve allografts in sheep. Transplantation 56: 154-162, 1993.
14. Evans PJ, Midha R, Mackinnon SE. Peripheral nerve allografts: a comprehensive review. Progress in Neurobiology 43: 187-233, 1994.
15. Midha R, Mackinnon SE, Becker, LE. The fate of Schwann cells in peripheral nerve allografts. J Neuropath Exp Neurol 53: 316-322, 1994.
16. Midha R, Mackinnon SE, Evans PJ, Hunter DA, Becker, LE. Rejection and regeneration through peripheral nerve allografts: immunoperoxidase studies with laminin, S100 protein and neurofilament antisera. Restor Neurol Neurosci 7: 45-57, 1994.
17. Midha R, Gray B, Becker LE, Drake, J. Delayed myelopathy after trivial neck injury in a patient with a cervical neuroenteric cyst. Can J Neurol Sci, 22: 168-171, 1995.
18. Evans PJ, Mackinnon SE, Best TJ, Wade JA, Awerbuck DC, Makino AP, Hunter DA, Midha R. Regeneration across preserved peripheral nerve grafts. Muscle & Nerve 18: 1128-1138, 1995.
19. Midha R. Discussion: The selectivity of motor axons during regeneration with sensory axons, by Maki et al. J Reconstr Microsurg 12(8): 556-557, 1996.
20. Midha R, Munro CA, Mackinnon SE, Ang LC. Motor and sensory specificity of host nerve axons influence nerve allograft rejection. J Neuropath Exp Neurol, 56: 421-434, 1997.
21. Midha R. Epidemiology of brachial plexus injuries in a multitrauma population. Neurosurgery, 40(6): 1182-1189, 1997. PMID 9179891
22. Hare GMT, Mackinnon SE, Midha R, Wong PY, Au B, Munro C, Andrade W, Hunter DA, Hay JB. Cyclosporine A inhibits lymphocyte migration into ovine peripheral nerve allografts. Microsurg, 17: 697-705, 1998.
23. Kline DG, Kim D, Midha R, Harsh C, Tiel R. Management and results of sciatic nerve injuries: a 24 year experience. J Neurosurg 89: 13-23, 1998.
24. Munro CA, Szalai JP, Mackinnon SE, Midha R. Lack of association between outcome measures of nerve regeneration. Muscle Nerve, 21: 1095-1097, 1998.
25. Noble J, Munro CA, Prasad VSSV, Midha R. Analysis of upper and lower extremity peripheral nerve injuries in a multi-trauma population. J Trauma, 45: 116-122, 1998. PMID 9680023.
26. Phan N, Marras C, Midha R, Rowed D. Cervical myelopathy caused by hypoplasia of the atlas: Two case reports and review of the literature. Neurosurg, 43: 629-633, 1998.
27. Evans PJ, Mackinnon SE, Levi A, Wade JA, Hunter DA, Nakao Y, Midha R. Cold preserved nerve allografts: changes in basement membrane, viability, immunogenicity, and regeneration. Muscle Nerve, 21: 1507-1522, 1998.
28. Midha R, Munro CA, Ang LC. End-organ reinnervation does not prevent axonal degeneration in nerve allografts following immunosuppression withdrawal. Reconstruc Neurol Neurosci, 13: 163-172, 1998.
29. Best TJ, Mackinnon SE, Evans PJ, Hunter D, Midha R. Peripheral nerve revascularization: histomorphometric study of small- and large-caliber grafts. J Reconstr Microsurg 15:183-190, 1999.
30. Best TJ, Mackinnon SE, Midha R, Hunter DA, Evans PJ. Revascularization of peripheral nerve autografts and allografts. Plast Reconstr Surg 104:152-160, 1999.
31. Evans PJ, Mackinnon SE, Midha R, Wade JA, Hunter DA, Nakao Y, Hare GM. Regeneration across cold preserved peripheral nerve allografts. Microsurgery 19:115-127, 1999.
32. Matsuyama T, Midha R, Mackinnon SE, Munro CA, Wong PY, Ang LC. Long nerve allografts in sheep with Cyclosporin A immunosuppression. J Reconstr Microsurg 16(3):219-225, April 2000
33. Matsuyama T, Mackay M, Midha R. Peripheral nerve repair and grafting techniques: a review. Neurol Med Chir (Tokyo) 40(4):187-199, April 2000.
34. Tyagi A, Drake J, Midha R, Kestle J. Axillary nerve injuries in children. Pediatr Neurosurg 32(5): 226-229, May 2000.
35. Kaminker R, Fabry J, Midha R, Finkelstein JA. Split cord malformation with diastometamyelia presenting as neurogenic claudication in an adult. A case report. Spine 25(17): 2269-2271, Sept 2000.
36. Midha R, Ramakrishna V, Munro CA, Matsuyama T, Gorzynski RM. Detection of host and donor cells in sex-mismatched rat nerve allografts using RT-PCR for a Y Chromosome (H-Y) Marker. J Peripheral Nerv Sys 5:140-146, 2000.
37. Midha R, Nag S, Munro CA, Ang LC. Differential response of motor and sensory axons following immunosuppression withdrawal in nerve allografts. J Neurosurg 94: 102-110, Jan 2001.
38. Stanisz GJ, Midha R, Munro CA, Henkelman RM. MR properties of rat sciatic nerve following trauma. Magnetic Resonance in Medicine 45: 415-420, Feb 2001.
39. Pirouzmand F, Midha R. Subacute femoral compressive neuropathy from iliacus compartment hematoma. A case report. Can J Neurol Sci 28: 155-158, 2001.
40. Brennan JW, Midha R, Ang LC, Perez-Ordonez B. Epithelioid hemanioendothelioma of the spine presenting as cervical myelopathy: a case report. Neurosurgery 48(5): 1166-1169, 2001.
41. Mollanji R, Bozanovic-Sosic R, Silver I, Li B, Kim, C, Midha R, Johnston M. Intracranial pressure accommodation is impaired by blocking of pathways leading to extracranial lymphatics. Am J Physiol Regulatory Integractive Comp Physiology 280(5): R1573-R1581, May 2001.
42. Midha R, Noble J, Patel V, Ho PH, Munro CA, Szalai JP. Prospective analysis of relationships of outcome measures for ulnar neuropathy at the elbow. Can J Neurol Sci 28: 239-244, Aug 2001.
43. Mollanji R, Papaiconomou C, Boulton M, Midha R, Johnston M. Comparison of cerebrospinal fluid transport in fetal and adult sheep. Am J Physiol Regulatory Integrative Comp Physiology 281(4): R1215-1223, Oct 2001.
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47. Midha R, Munro CA, Dalton PD, Tator CH, Shoichet MS. Growth Factor enhancement of peripheral nerve regeneration through a novel synthetic hydrogel tube. J Neurosurg 99 (Sep):555-565, 2003. PMID 12959445
48. DaSilva VR, AL-Ghatany M, Midha R, Sarma D, Cooper PW. Upper thoracic spinal cord herniation after traumatic nerve root avulsion: case report and review of the literature. J Neurosurg (Spine), 99:3(Supp) 306-309, Oct 2003.
49. Zakharov A, Papaiconomou C, Djenic J, Midha R, Johnston, M. Lymphatic cerebrospinal fluid absorption pathways in neonatal sheep revealed by subarachnoid injection of microfil. J Neuropathol Appl Neurobiol, 29: 563-573, Dec 2003.
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57. Belkas J, Shoichet MS, Munro CA, Johnston M, Midha R. Long-term in vivo biomechanical properties and biocompatibility of poly(2-hydroxyethyl methacrylate-co-methyl methacrylate) nerve conduits. Biomaterials, 26: 1741-1749, 2005.
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61. Pun TWC, Odrobina E, Xu Q-G, Lam TYC, Munro CA, Midha R, Stanisz GJ. Histological and magnetic resonance analysis of sciatic nerves in the tellurium model of neuropathy. J Peripheral Nerv Syst 10: 38-46, March, 2005.
62. Odrobina E, Lam TY, Pun T, Midha R, Stanisz GJ. MR properties of excised neural tissue following experimentally induced demyelination. NMR Biomed 18(5): 277-284, Aug 2005.
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67. Furey M, Midha R, Xu QG, Belkas J, Gordon T. Prolonged target deprivation reduces the capacity of injured motorneurons to regenerate. Neurosurgery, 60(4): 723-32, April 2007.
68. Lwu S, Midha R. Clinical examination of brachial and pelvic plexus tumors. Neurosurgical Focus, Current management of nerve tumors. 22:6:E5, June 2007.
69. Kemp SWP, Walsh S, Zochodne D, Midha R. A novel method for establishing daily in vivo concentration gradients of soluble nerve growth factor (NGF). Short communication. J Neurosci Methods 165: 83-88, July 2007.
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**Journal Issue Guest Editorships:**

1. Neurological Research: “Nerve regeneration and repair”. Vol 30, Number 10, December, 2008. Midha R, Zager E. Editorial: nerve regeneration and repair, 30:997-998, Neurol Res, Dec 2008.
2. Neurosurgical Focus: “Peripheral nerve surgery: biology, entrapment and injuries”. Topic editors: Allan Friedman, Jeff Elias and Rajiv Midha. Introduction: Peripheral nerve surgery- biology, entrapment and injuries. E1, 26 (2), February, 2009.
3. Neurology India. “Peripheral nerve ailments”. Ed: B Indira Devi; Co-editors: R Midha, DI Bhat, D Garazzo, M Socolvosky, L Rasulic, K Desai, A Kumar amd MS Golalkrishnan. Vol 67(7) Supp 1: Jan-Feb, 2019
4. **Published Abstracts:**
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**v. Communications:**

**Research Presentations** (platform; presenting author unless underlined):

1. "Improved function in injured rat spinal cord following DC stimulation." Midha R, and Tator CH. 1984 UPMS Student Presentation, Toronto, Ontario, December 1984.
2. "Assessment of spinal cord injury by counting cells in cerebral cortex and red nucleus retrogradely labelled by HRP. Midha R, and Tator CH. 1985 UPMS Student Presentation, Toronto, Ontario, October 1985.
3. "Counts of corticospinal and rubrospinal neurons reflect spinal cord injury severity." Midha R, and Tator CH. Institute of Medical Science Scientific Day, Toronto, Ontario, January 1986.
4. "Counts of corticospinal and rubrospinal neurons reflect spinal cord injury severity." Midha R, Fehlings MG, Tator CH, Saint-Cyr JA and Guha A. William S. Keith Lectureship, Toronto, Ontario, March, 1986
5. Ibid. Clinical Research Society of Toronto Annual Meeting, April 1986.
6. Ibid. Central Axonal Regeneration Symposium, Playfair Neuroscience Unit, Toronto, Ontario, October 1986.
7. Ibid. Royal College of Physicians and Surgeons of Canada Meeting, Winnipeg, Manitoba, September 1987. Awarded Canadian Society for Clinical Investigator (CSCI) Prize for Student Research Paper Presentation.
8. "Rathke's Cleft Cysts: a clinicopathological review of ten cases." Midha R Jay V Smythe HS. William S. Keith Lectureship, Toronto, Ontario, February 1989.
9. Ibid. American Association of Neurological Surgeons (AANS) meeting, New Orleans, Louisiana, April, 1991.
10. "Regeneration across peripheral nerve allografts with temporary or continuous Cyclosporin A immunosuppression." Midha R, Mackinnon SE. William S. Keith Lectureship, Toronto, Ontario, February 1992. Awarded the Morley Resident Research Prize.
11. Ibid. Joint Section on Disorders of the Spine and Peripheral Nerves, AANS, Miami, Florida, February, 1992. Awarded the Mayfield Research Award.
12. Ibid. AANS meeting, San Francisco, CA, April, 1992.
13. Ibid. Finalist at Gallie-Bateman Surgical Resident Research Day, University of Toronto, April, 1992.
14. Ibid. American Society for Peripheral Nerve (ASPN), Toronto, Ont., April, 1992.
15. "Viability and morphology of cold preserved nerve allografts." Evans PE, Midha R, Mackinnon SE, Hare GMT, Wade J, Nakao Y. Plastic Surgery Research Council meeting, Toronto, Ont., April, 1992.
16. "Peripheral nerve graft revascularization." Best TJ, Mackinnon SE, Evans PJ, Midha R. ASPRS/PSEF/ASRM meeting, Washington, D.C., September, 1992.
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18. Ibid. ASPN, New York, May 1994.
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20. “Epidemiology of brachial plexus injuries in a multi-trauma population.” Midha R. ASPN, St. Louis, MO, June, 1996
21. Ibid. Congress of Neurological Surgeons (CNS), Montreal, Quebec, September, 1996.
22. Ibid. Spine and Peripheral Nerve Section of AANS/CNS 13th Annual meeting, Newport Beach, CA, Feb 20, 1997.
23. “Motor and sensory specificity of host nerve axons influence nerve allograft rejection.” Midha R, Munro CA, Ang LC. Spine and Peripheral Nerve Section of AANS/CNS 13th Annual meeting, Newport Beach, CA, Feb 21, 1997.
24. “Epidemiology of brachial plexus injuries in a multi-trauma population.” Midha R. AANS 65th Annual meeting, Denver, CO, April, 1997.
25. Ibid. CCNS, Saskatoon, SK, June, 1997.
26. “Lack of association between outcome measures of nerve regeneration.” Munro CA, Midha R, Mackinnon SE, Szalai JP, ASPN, Williamsburg, VA, June, 1997.
27. “Motor and sensory specificity of host nerve axons influence nerve allograft rejection.” Midha R, Munro CA, Mackinnon SE, Ang LC, ASPN, Williamsburg, VA, June, 1997.
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37. Burkholder L, Houlden D, Weiss E, Midha R. Use of transcranial electrical stimulation to assess functional status of peripheral nerve motor fibres during brachial plexus surgery. CCNS, Edmonton, AB, June 1999.
38. Weiss E, Houlden D, Midha R. Intraoperative diaphragmatic evoked responses following transcranial electrical stimulation, CCNS, Edmonton, AB, June 1999.
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41. Midha R, Nag S, Munro CA, Ang LC. Sensory and motor axonal response to immunosuppression withdrawal in long peripheral nerve allografts. 16th Annual Meeting of AANS/CNS Spine and Peripheral Nerves, Indian Wells, CA Feb 26, 2000.
42. Stanisz GJ, Munro CA, Midha R, Henkelman RM. NMR properties of rat sciatic nerve following trauma. 8th Annual Meeting, International Society for Magnetic Resonance in Medicine, Denver, CO, April, 2000.
43. Dalton PD, Shoichet MS, Munro CA, Luo Y, Sanghavi S, Tsai EC, Midha R, Tator CH. A New Synthetic Process to Create Tubes for Use in Spinal Cord Injury Repair Strategies. Materials Conference, Boston, MA, Nov, 2000.
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48. Midha R, Drake J. Nerve transfers in severe obstetrical brachial plexus palsy. Toronto Workshop on Obstetrical Brachial Plexus Palsy, Hospital for Sick Children, Toronto, ON, May 25, 2001.
49. Midha R, Munro CA, Dalton PD, Tator CH, Shoichet MS. Peripheral nerve regeneration through novel synthetic hydrogel nerve tubes is enhanced by growth factors. 12th Annual Day in Transplantation and Immunology, University of Toronto, Nov 16, 2001.
50. Midha R, Munro CA, Dalton PD, Tator CH, Shoichet MS. Novel biocompatible tube enhanced with growth factors support peripheral nerve regeneration. 11th annual meeting, ASPN, Cancun, Mexico, January 12, 2002.
51. Vennettilli M, Houlden DA, Midha R. Technical considerations for intraoperative recordings of motor nerve action potentials from the brachial plexus after transcranial electrical stimulation. 11th annual meeting, ASPN, Cancun, Mexico, January 13, 2002.
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54. Taylor AB, Houlden DA, Midha R. The utility of SSEPs for the early diagnosis of peripheral nerve injuries in comatose patients with head injuries. 11th annual meeting, ASPN, Cancun, Mexico, January 13, 2002.
55. Webb S, Munro CA, Midha R, Stanisz GJ. Is Quantitative T2 a Good Measure of Myelin Content in White Matter Pathologies? Int Soc Magn Reson Med. Honolulu, Hawaii. May 18-24 2002.
56. Midha R, Munro CA, Dalton PD, Tator CH, Shoichet MS. Synthetic hydrogel nerve tube enhanced with growth factors for peripheral nerve repair. 37th Annual Meeting, CCNS, June 20, 2002, Vancouver, BC.
57. Houlden DA, Vennettili M, Midha R. Intaroperative recording of motor nerve action potentials from the brachial plexus after transcranial electrical stimulation. 37th Annual Meeting, CCNS, June 20, 2002, Vancouver, BC.
58. Siu HYH, Mainprize TG, Taylor MD, Munro CA, Midha R. Differential gene expression in human peripheral nerve neuromas. 12th Annual meeting ASPN, Kauai, Hawaii, Jan 11-12, 2003.
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60. Midha R, Munro C, Nitising A, Chan SYT, Gordon T. Regeneration into protected and chronically denervated peripheral nerve stumps. 19th Annual Meeting of AANS/CNS Spine and Peripheral Nerves, Tampa, FL Mar, 6, 2003.
61. Houlden DA, Vennettilli M, Midha R. How to assess ventral root function during brachial plexus surgery. 2nd Annual University of Toronto Peripheral Nerve Symposium. Toronto, ON, May 23 2003.
62. Stanisz GJ, Webb S, Munro CA, Midha R. MRI/ histopathology in vivo? 2nd Annual University of Toronto Peripheral Nerve Symposium. Toronto, ON, May 23 2003.
63. Munro CA, Gordon T, Xu QG, Nitising A, Midha R. Regeneration into protected and chronically denervated peripheral nerve stumps. 2nd Annual University of Toronto Peripheral Nerve Symposium. Toronto, ON, May 23 2003.
64. Midha R, Siu HYH, Munro CA, Mainprize TG, Taylor MD, Rutka J. Microgene array analysis of human peripheral nerve neuromas. 2nd Annual University of Toronto Peripheral Nerve Symposium. Toronto, ON, May 23 2003.
65. Belkas J and Midha R. In vitro and in vivo evaluation of a synthetic hydrogel nerve tube to repair rat sciatic nerve injury gaps. (Belkas: 2002 James F Crothers Award Recipient) . 2nd Annual University of Toronto Peripheral Nerve Symposium. Toronto, ON, May 23 2003.
66. Houlden D, Vennettilli M, Rowed D, Schwartz M, Fazl M, Taylor A, Midha R. Percentage of maximal muscle potential evoked after transcranial electrical stimulation in anaesthetized patients. 38th Meeting, CCNS, Quebec City, Quebec, June 2003.
67. Midha R, Xu Q-G, Munro, CA, Furey M, Gordon T. Prolonged target deprivation reduces the capacity of axotomized motoneurons to regenerate. 13th Annual meeting ASPN, Palm Springs, CA, Jan 18, 2004.
68. Stanisz GJ, Webb, S, Munro CA, Pun T, Midha R. MRI properties of experimentally induced inflammation. 13th Annual meeting ASPN, Palm Springs, CA, Jan 18, 2004.
69. Midha R, Munro CA, Xu Q-G, Gordon T. Reduction in the ability of axotomized motoneurons to regenerate with prolonged target deprivation. 20th Annual Meeting of AANS/CNS Spine and Peripheral Nerves, San Diego, CA Mar, 20, 2004.
70. Midha R, Pun T, Lam T, Munro CA, Stanisz GJ. Quantitative MR of tellurium induced demyelination in weaning rats. 2004th Annual Meeting of the AANS, Rolando, Fl, May 5, 2004.
71. Bethune A, Houlden D, Smith T, Yee A, Midha R, Singrakhia M. Generalized peripheral nerve failure in thoracic spine surgery: a case report. American Society of Neurophysiological Monitoring 15th annual scientific meeting. San Antonio, Texas, May 13-16, 2004.
72. Stanisz GJ, Odrobina E, Munro CA, Pun T, Lam T, Xu QG, Midha R. MR Properties of Neural Tissue Following Experimentally Induced Demyelination. 12th Scientific Meeting - ISMRM, Kyoto, Japan, May 2004
73. Stanisz GJ, Webb S, Munro CA, Pun T, Midha R. MR Properties of Neural Tissue Following Experimentally Induced Inflammation. 12th Scientific Meeting - ISMRM, Kyoto, Japan, May 2004
74. Midha R, Munro CA, Xu Q-G, Gordon T. Reduction in the ability of axotomized motoneurons to regenerate with prolonged target deprivation. 15th Meeting of the Sunderland Society, Toronto, ON, Sep 2004
75. Midha R, Xu Q-G, Munro CA, Belkas J, Gordon T. Delayed reinnervation of denervated and inappropriately protected peripheral nerve stumps. ASPN Meeting, Fajardo, Puerto Rico, Jan 15, 2005
76. Midha R, Xu Q-G, Munro CA, Belkas J, Gordon T. Delayed reinnervation of denervated and inappropriately protected peripheral nerve stumps. AANS Annual Meeting, New Orleans, LA, April 19, 2005.
77. Midha R. Nerve guidance tubes. AANS Annual Meeting, New Orleans, LA, April 19, 2005.
78. Dalton PD, Tsai E, Midha R, Shoichet MS, Tator CH: Regenerative Matrices for Neural Tissue Engineering. 2nd Neuroglia Meeting, Amsterdam, The Netherlands, May 2005.
79. Midha R, Xu Q-G, Munro CA, Belkas J, Gordon T. Delayed reinnervation of denervated and inappropriately protected peripheral nerve stumps. CCNS Annual Meeting, Ottawa, ON. June 16, 2005.
80. Midha R, McKenzie I, Biernaskie J, Miller F. Skin derived stem cells: a source of Schwann cells that survive and ensheath axons upon transplantation into peripheral nerve. Academy of Neurosurgery, Half Moon Bay, CA Sep 23, 2005.
81. ibid, ASPN Meeting, Tuscon, AZ, Jan 14, 2006.
82. Houlden D, Taylor A, Schwartz M, Feinstein A, Midha R, Bethune A. Early serial SSEP studies for predication of outcome in comatose patients with head injuries. CCNS Annual Meeting, Montreal, QC, June 15, 2006.
83. Midha R, Zochodne D. A long segmental nerve trunk crush injuries induces increased sprouting but does not impair peripheral nerve regeneration. ASPN, San Juan, Puerto Rico, Jan 13, 2007.
84. Midha R, Xu Q-G, Forden J, Gordon T. Motoneuron cell death is not responsible for the impaired nerve regeneration after chronic and sequential nerve injury. CNSF, Edmonton, AB, June 21, 2007.
85. Walsh S, Midha R. Use of skin-derived stem cells to promote peripheral nerve regeneration and recovery from chronic denervation. CNS, San Diego, CA, Sep 17, 2007.
86. Kemp SWP, Webb AA, Midha R. The effect of in vivo delivery of nerve growth factor (NGF) through a novel T tube chamber on behavioural recovery in a rat model of peripheral nerve injury. ASPN, Los Angeles, CA, Jan 11, 2008
87. Walsh S, Midha R. Repairing peripheral nerve injuries using skin-derived precursor cells. ASPN, Los Angeles, CA, Jan 13, 2008. *Winner, Award for best research presentation by resident/student.*
88. Midha R, Walsh S, Gordon T. Skin-derived precursor cells behave as Schwann cells to support axonal regeneration in graft-repaired and chronically denervated peripheral nerve. 17th Meeting of the Sunderland Society, Mayo Clinic, Rochester, MN, Aug 24, 2008.
89. Midha R, Walsh S, Gordon T. Skin-derived precursor cells behave as Schwann cells to support axonal regeneration in graft-repaired and chronically denervated peripheral nerve. American Academy of Neurological Surgeons Meeting, Sedona, AZ, Sep 18, 2008.
90. Midha R. Peripheral nerve regeneration: energizing axonal trajectory and target. IML community learning session I, CNS, Orlando, FL, Sep 22, 2008.
91. Kemp SWP, Zochodne DW, Midha R. Exogenous administration of nerve growth factor (NGF) establishes a biphasic dose-response on early peripheral nerve regeneration. ASPN, Maui, Hawaii, Jan 9, 2009.
92. Walsh S, Gordon T, Midha R. Skin derived precursor cells as a source of Schwann cells for the repair of the chronically denervated nerve. ASPN, Maui, Hawaii, Jan 11, 2009.
93. Kemp SWP, Webb AA, Midha R. Behavioural analysis of peripheral nerve regeneration through nerve growth factor (NGF) loaded T-tube chambers. Canadian Neurological Sciences Federation, Halifax, NS, June 11, 2009.
94. Alant JD, Kemp SWP, Webb AA, Midha R. Functional and anatomical analysis of selective tibial nerve branch neurotization to the deep peroneal nerve in the rat. Canadian Neurological Sciences Federation, Halifax, NS, June 11, 2009.
95. Midha R. Elucidating mechanisms of support offered by skin-derived stem cells in the context of peripheral nerve injury. 18th Meeting of the Sunderland Society, Shanghai, China, Nov 2, 2009.
96. Midha R. Kinetic, kinematic and skilled locomotor analysis of peripheral nerve regeneration in the rat. 18th Meeting of the Sunderland Society, Shanghai, China, Nov 2, 2009.
97. Midha R. Skin derived precursor cells for nerve repair. International Society for Neural Regeneration (ISNR) Meeting, Asilomar, CA, Dec 10, 2009.
98. Walsh S, Midha R. Skin derived stem cells act via a variety of mechanisms to promote regeneration following peripheral nerve injury. ASPN, Boca Raton, FL, Jan 8, 2010.
99. Kemp S, Webb A, Midha R. Kinetic, kinematic and skilled locomotor analysis of peripheral nerve regeneration in the rat. ASPN, Boca Raton, FL, Jan 9, 2010.
100. Midha R. Elucidating mechanisms of support offered by skin-derived stem cells in the repair of peripheral nerve injury. Treatment strategies for SCI: from biology to clinical reality. Banff, AB, April 21, 2010.
101. Midha R, Kemp SWP, Webb AA. Dose and duration of nerve growth factor (NGF) adminstration determines behavioral recovery following peripheral nerve injury. 72nd Annual Meeting of the American Academy of Neurosurgery, Monteray, CA, Nov 6, 2010.
102. Grochmal J, Dhaliwal S, Midha R. Skin derived precursor cells (SKPs) promote return of electrophysiological function in the rat tibial nerve model of adraimycin induced demyelination. ASPN, Cancun, Mexico, Jan 14, 2011.
103. Alant J, Kemp SWP, Kumar R, Webb A, Midha R. Traumatic neuroma in continuity injury model in rodents. ASPN, Cancun, Mexico, Jan 16, 2011.
104. Midha R, Singh B, Xu Q-G, Franz C, Dalton C, Gordon T, Zochodne D. Electrical stimualtion enhances axon and nerve regneration. Joint section of spine and peripheral nerve disorders, Phoenix, AZ, March 10, 2011.
105. Midha R, Kumar R, Khu K, Grochmal J, Forden J, Webb A. Behavioral outcome in rodents following nerve injury repair using skin derived precursor Schwann cells. 79th Annual meeting of AANS, Denver, CO, April 12, 2011.
106. Dolati-Ardejani P, Schwartz ML, Midha R, Hill MD, Holden DA. Brain CT scan compared tp SSEP grade for predicting outcome in comatose patients with TBI. CNSF Annual Meeting, Vancouver BC, June 17, 2011.
107. Court FA, Midha R, Grochmal JK, Shakhbazau A, Bell E, Hendriks W, van Minnen J. Glia-axon trafficking of polyribosomes and cytoplasmic components during Wallerian degeneration and subsequent regeneration. 2011 PNS meeting, Potomac, MD, June 26, 2011.
108. Alant J, Midha R. Development of a neuroma-in-continuity injury model in rodents. 73rd Annual Meeting of the American Academy of Neurosurgery. Scottsdale, AZ, October 22, 2011.
109. Midha R, Alant J. Development of a neuroma-in-continuity injury model in rodents. Sunderland Society Meeting, New York City, December 11, 2011.
110. Midha R, Alant J. Development of a neuroma-in-continuity injury model in rodents. Neurlogical Society of India 60th Annual Meeting, Banglore, India, December 17, 2011.
111. Grochmal J, Midha R. Skin derived precursor cells (SKPs) promote remyeliantion in rat tibial nerve model of adraimycin induced demyelination. ASPN, Las Vegas, Jan 14, 2012.
112. Grochmal J, Midha R. Skin derived precursor cells (SKPs) promote remyeliantion in rat tibial nerve model of adraimycin induced demyelination. AANS/CNS Joint Disorders of Spine and Periheral Nerves Annual Meeting, Orlando, FL, March 8, 2012.
113. Khoung H, Ivanovic A, Shakhbazau A, Kumar R, Sanjaya F, Forden J, Midha R. Skin derived precursors enhance functional outcome following nerve repair. AANS/CNS Joint Disorders of Spine and Peripheral Nerves Annual Meeting, Orlando, FL, March 9, 2012.
114. Grochmal J, Dhaliwal S, Midha R. SKP-SCs improve remyelination within a model of adraimycin induced tibial nerve demyelination. 47th Annual Congress of the Canadian Neurological Sciences Federation, Ottawa, Canada, June 7, 2012. **Winner of the K.G. Mckenzie Prize in Basic Neuroscience Research**.
115. Midha R, Khoung H. Skin-derived precursor Schwann cell therapy improves beavioural outcome for both immediate and delayed nerve repair. 74th Annual Meeting of the American Academy of Neurological Surgery, Chatham, MA Oct 20, 2012.
116. Khoung H, Midha R. Skin-derived precursor Schwann cells improves beavioural outcome for acute and delayed nerve repair. ASPN/ASRM/ASSH *Outstanding nerve paper* presentation, Naples, FL, January 12, 2013.
117. Alant J, Midha R. Axonal misdirection in a femoral nerve neuroma in continuity model. ASPN, Naples, FL, January 13, 2013.
118. Alant J, Senjaya F, Ivanovic A, Forden J, Shakhbazau A, Midha R. Motor axon misdirection and behavioral deficit in rat sciatic neuroma in continuity injuries.Annual Meeting Of The AANS/CNS Section On Disorders Of The Spine And Peripheral Nerves, March 7, 2013, Phoenix, AZ.
119. Khoung H, Senjaya F, Kumar R, Ivanovic A, Forden J, Biernaskie J, Midha R. Skin derived precursor Schwann cell improve behavioural recovery for both acute and delayed nerve repair. Peripheral Nerve Society meeting, July 3, 2013, St. Malo, France.
120. Alant J and Midha R. Motor axon misdirection and behavioral deficit in rat sciatic neuroma in continuity injuries, 20th Sunderland Society meeting, Leiden, NL, September 15, 2013.
121. Shakhbazau A and Midha R. Doxycycline-regulated GDNF expression promotes axonal regeneration and functional recovery in nerve injury repair. 20th Sunderland Society meeting, Leiden, NL, September 16, 2013.
122. Midha R and Alant J. Motor axon misdirection and behavioral deficit in rat sciatic neuroma in continuity injuries, American Academy meeting, Newport Beach, CA, September 26, 2013.
123. Shakhbazau A, Mohanty C and Midha R. Doxycycline-regulated GDNF expression promotes axonal regeneration and functional recovery in nerve injury repair. ASPN meeting, Kauai, HI, January 11, 2014.
124. Kumar R, Biernaskie J and Midha R. Differential abilities of acutely and chronically denervated nerve derived and skin derived Schwann cells to support axonal regeneration and myelination. Am Acad Neurosurg meeting, Santa Rosa Beach, Fl, Sep 19, 2014.
125. Kumar R, Stratton J, Biernaskie J and Midha R. Differential abilities of acutely and chronically denervated nerve derived and skin derived Schwann cells to support axonal regeneration and myelination. 21st Sunderland Society meeting, Ann Arbor, MI, June 8, 2015.
126. Midha R and Shapira Y. Scientific Session 1 (Select papers). Brief electrical stimulation promotes nerve regeneration following in-continuity nerve injury. American Academy of Neurological Surgery, Oct 8, 2015, Heidelberg, Germany.
127. Grochmal J and Midha R. Scientific Session 3 (**Academy Award Runner up paper by trainee**). Intravital confocal microscopy using solvatochromic dyes in imaging for Schwann cell myelin lipid changes. American Academy of Neurological Surgery, Oct 8, 2015, Heidelberg, Germany.
128. Grochmal J and Midha R. Intravital Confocal Spectral Microscopy With Solvatochromic Dyes for the Detection Of Subtle Changes in Schwann Cell Myelin Lipid Composition: Implications for the Study of Remyelination (**Awarded top basic science paper by trainee**). ASPN Annual meeting, January 15, 2016, Scottsdale, AZ.
129. Grochmal J and Midha R. Top Abstracts Scientific Session (**Kline award for best peripheral nerve abstract**). Intravital confocal microscopy using solvatochromic dyes in imaging for Schwann cell myelin lipid changes. DSPN, Orlando, FL, March 17, 2016.
130. Walsh T, Bowal K, Midha R and Kallos MS. Microcarrier Screening for Skin-Derived Precursor Schwann Cell Culture in Stirred Tank Bioreactors. 39th Canadian Medical and Biological Engineering Society Conference. Calgary, Alberta, May 24-27, 2016.
131. Midha R, Stratton JA, Biernaskie J. Realizing the potential of adult human skin-derived Schwann cells for transplantation therapy. Am Acad Neurosurgery 78th Annual Meeting, Jackson Hole, WY, September 17, 2016.
132. Midha R, Stratton JA, Kumar R, Biernaskie J. Isolation and characterization of myelinating Schwann cells from adult human skin. Sunderland Society Meeting, December 6, 2016, Franfurt, Germany.
133. Ramachandran S, Midha R. Effectiveness of distal supercharge end-side transfer for neuroma in continuity (NIC) nerve injuries. 33rd Annual Meeting of AANS/CNS Disorders of Spine and Peripheral Nerves (DSPN), Las Vegas, NV, March 11, 2017.
134. Nadi M, Ramachandran S, Forden J, Midha R. Testing the effectiveness and the contribution of experimental supercharge (reversed) end-side nerve transfer. 79th Annual Meeting of Academy of Neurological Surgery, Santa Barbara, CA, September 16, 2017.
135. Midha R, Loch-Wilkinson T, Schrag C, McNeil S, White C. Nerve transfers in Brown Sequard pattern of spinal cord injury. First Canadian peripheral nerve symposium, London, ON, Nov 17, 2017.
136. Grochmal J, Midha R. Schwann cells transport lipid rich vesicles during in-vitro myelination as revealed by video lapse specteral imaging. ASPN, Phonix, AZ, January 13, 2018.
137. Midha R, Stratton JA, Holmes A, Sinha S, Vohra M, Rosin N, Biernaskie J. Pro-regenerative macrophages regulate Schwann cell dynamics following nerve injury. Sunderland Society 23rd Meeting, Stanford, CA, March 4, 2018.
138. Grochmal J, Midha R. Lipid rich vesicular transport in myelinating Schwann cells in-vitro (Kline top peripheral nerve paper and Kuntz scholar recipient). Annual Meeting of AANS/CNS Disorders of Spine and Peripheral Nerves (DSPN), Orlando, FL, March 15, 2018.
139. Midha R, Stratton JA, Holmes A, Sinha S, Vohra M, Rosin N, Biernaskie J. Pro-regenerative macrophages regulate Schwann cell dynamics following nerve injury. Annual Meeting of AANS/CNS Disorders of Spine and Peripheral Nerves (DSPN), Orlando, FL, March 17, 2018.
140. Stratton JA, Assinck P, Sinha S, Kumar R, Moulson A, Patrick N, Raharjo E, Chan JA, Tetzlaff W, Biernaski J, Midha R. Factors within the endoneurial microenvironment act to suppress tumorigenesis of MPNST. American Academy Meeting, West Palm Beach, FL, October 27, 2018.
141. Midha R, Stratton JA, Holmes A, Sinha S, Vohra M, Rosin N, Biernaskie J. Pro-regenerative macrophages regulate Schwann cell dynamics following nerve injury. Annual Meeting of ASPN, Palm Dessert, CA, Feb 2, 2019.
142. Midha R, Chu TH. Human Schwann cell derivation from small skin biopsies. Sunderland Society Meeting, Jerusalem, Israel, Nov 4, 2019.
143. Umansky D, Hagen K, Chu TH, Ousman SS, Midha R. Neuroma-in-continuity model in mice- a pilot study. ASPN Annual Meeting, Fort Lauderdale, Fl, Jan 10, 2020.
144. Beveridge JC, Beveridge A, Midha R, Morhart MJ, Olson J, Chan MK. Severe peripheral nerve injury: barriers to surgical intervention. ASPN Annual Meeting, Fort Lauderdale, FL, Jan 11, 2020.
145. Midha R, Beveridge JC, Beveridge A, Morhart MJ, Olson J, Chan MK. Factors influencing post-operative motor outcomes in patients with severe proximal peripheral nerve injury: a province wide cohort study. SUN Annual Meeting, Whitefish, MT, August 1-12, 2021.

**Research Poster Presentations** (presenting author unless underlined):

1. Fehlings, M.G., Midha, R., Tator, C.H., Saint-Cyr., J.A., and Guha, A.: Counts of corticospinal and rubrospinal neurons reflect severity of spinal cord injury. Canadian Congress of Neurosciences, London, Ontario, June 1986.
2. Best TJ, Mackinnon SE, Hudson AR, Evans PJ and Midha R: Revascularization of the peripheral nerve. Poster #1227, American Association of Neurological Surgeons (AANS) meeting, New Orleans, LA, April, 1991.
3. Midha R, Mackinnon SE, Hudson AR, Wade J, Evans PE: Immunological response to nerve allografts in rats immunosuppressed with cyclosporin A. Poster #1228, AANS, New Orleans, LA, April, 1991.
4. Midha R, Mackinnon SE, Bain J: Functional regeneration across peripheral nerve allografts in rats receiving short courses of cyclosporin A immunosuppression. Poster # PE044, American Society for Surgery of the Hand (ASSH) meeting, Orlando, Florida, October, 1991.
5. Maeda T, Mackinnon SE, Evans PJ, Best TJ, Midha R: Nerve regeneration across "stepping- stone" conduits. Poster # PE051, ASSH, Orlando, Florida, October, 1991.
6. Midha R, Mackinnon SE, Evans PJ: Regeneration across peripheral nerve allografts with temporary or continuous cyclosporin A immunosuppression. Society for Neuroscience, New Orleans, LA, November, 1991.
7. Evans PJ, Awerbuck DC, Midha R, Mackinnon SE: Towards banking peripheral nerves. Society for Neuroscience, New Orleans, LA, November, 1991.
8. Patkai J, Midha R, Maeda T, Mackinnon SE: Regeneration across "stepping- stone" conduits. AANS Joint Section on Disorders of the Spine and Peripheral Nerves, Miami, Florida, February, 1992.
9. Patkai J, Midha R, Maeda T, Mackinnon SE: Regeneration across "stepping- stone" conduits. Poster # 1346, AANS meeting, San Francisco, CA, April, 1992.
10. Midha R, Mackinnon SE, Becker LE: Histopathological evaluation of nerve allograft rejection. Poster # 1305, AANS meeting, San Francisco, CA, April, 1992.
11. Hare GMT, Evans PJ, Mackinnon SE, Wade J, Nakao Y, Midha R, Hunter DA, Hay JB: Prevention of lymphocyte migration into peripheral nerve allografts after cold preservation. FASEB meeting, Anaheim, CA, April, 1992.
12. Midha R, Mackinnon SE, Evans PJ, Wade JA: Regeneration across peripheral nerve allografts with temporary or continuous cyclosporin A immunosuppression. XIVth International Congress of the Transplantation Society. Paris, France, August, 1992.
13. Midha R, Evans PJ, Mackinnon SE: Fate of Schwann cells in nerve allograft. AANS meeting, Boston, MA, April, 1993.
14. Midha R, Mackinnon SE, Evans PJ: Schwann cell phenotype in nerve allografts. Congress of Neurological Surgeons meeting, Vancouver, BC, October, 1993.
15. Midha R, Gray B, Becker LE, Drake, J: Delayed myelopathy after trivial neck injury in a patient with a cervical neuroenteric cyst. Canadian Congress of Neurosciences, St. John's, Newfoundland, June, 1994.
16. Midha R, Munro CA, Mackinnon SE, Ang LC. Motor and sensory specificity of host nerve axons influence nerve allograft rejection. Society for Neuroscience 26th Annual Meeting, Washington D.C. Nov, 1996.
17. Ibid. AANS 65th Annual meeting, Denver, CO, April, 1997.
18. Ibid. CCNS, Saskatoon, SK, June, 1997.
19. Midha R, Munro CA: Failure of end-organ reinnervation to prevent axonal degeneration following immunosuppression withdrawal in nerve allografts. Society for Neuroscience 27th Annual Meeting, New Orleans, LA. Oct, 1997.
20. Ibid. Spine and Peripheral Nerve Section of AANS/CNS 14th Annual meeting, Palm Springs, CA, Feb 11-15, 1998.
21. Midha R, Munro CA, Prasad VSSV, Noble J: Analysis of upper and lower extremity peripheral nerve injuries in a multi-trauma population. Spine and Peripheral Nerve Section of AANS/CNS 14th Annual meeting, Palm Springs, CA, Feb 11-15, 1998.
22. Midha R, Munro CA, Gorczynski RM, Ramakrishna V, Matsuyama T: Chemokine expression in nerve allografts. Spine and Peripheral Nerve Section of AANS/CNS 15th Annual meeting, Orlando, FL, Feb 11-13, 1999.
23. Watson CP, Nag S, Dostrovsky J, Devor M, Midha R, Hokfelt T. Trigeminal postherpetic neuralgia: A postmortem study. Canadian Pain Society Annual Conference St. Johns, Newfoundland, May 14-16, 1999.
24. Midha R, Munro CA, Ramakrishna V, Matsuyama T, Gorczynski RM: Chemokine expression in nerve allografts. American Society of Transplantation, 18th Annual Meeting, Chicago, IL, May 15-19, 1999.
25. Watson CP, Nag S, Dostrovsky J, Devor M, Midha R, Hokfelt T. Trigeminal postherpetic neuralgia: A postmortem study. 9th World Congress on Pain, Vienna, Austria, Aug 22-27, 1999.
26. Watson CP, Nag S, Dostrovsky J, Devor M, Midha R, Hokfelt T. Trigeminal postherpetic neuralgia: A postmortem study. American Pain Society 18th Annual Meeting Ft. Lauderdale, FL, Oct 21-24, 1999.
27. Munro CA, Shoichet MS, Cao X, Wong MK, Aubert I, Noble J, Midha R. Bioartifical grafts for repair of peripheral nerve injuries. Society for Neuroscience 29th Annual Meeting, Miami Beach, October 1999.
28. Midha R, Sulaiman OAR, Munro CA, Matsuyama T, Gordon T. Presence of sensory axons within endoneurial pathways decreases motoneuron axonal regeneration. Society for Neuroscience 29th Annual Meeting, Miami Beach, October 1999.
29. Midha R, Sulaiman OAR, Munro CA, Matsuyama T, Gordon T. Competition by sensory axons for endoneurial pathways decreases motoneuron axonal regeneration. CNS Annual Meeting, Boston, Massachusetts, November 1999.
30. Midha R, Noble J, Munro CA, Patel V, Szalai JP, Ho P. Development of a standardized battery of outcome measures for ulnar neuropathy at the elbow. 2000 Annual meeting of the American Association of Neurological Surgeons (AANS), April 8-13, 2000, San Francisco CA.
31. Midha R, Shoichet MS, Dalton PD, Cao X, Munro CA, Noble J, Wong M. Tissue engineered alternatives to nerve transplantation for repair of peripheral nervous system injuries. 28th International Congress of the Transplantation Society, August 27-September 1, 2000, Rome, Italy.
32. Houlden DA, Rowed DW, Schwartz ML, Fazl M, Midha R, Finkelstein JA, Burkholder LM, Klettke KA. Iatrogenic nerve root injury and continuous electromygraphy during cervical spine surgery. 5th International Neurotrauma Symposium, Oct 1-5, 2000, Garmisch-Partenkirchen, Germany.
33. Midha R, Sulaiman OAR, Munro CA, Gordon T. Motoneuron regeneration into nerve grafts with competing axons from motor and sensory nerves. Society for Neuroscience 30th Annual Meeting, November 2000, New Orleans, LA.
34. Tsai EC, Grant AA, Hwang SW, Dalton PD, Shoichet MS, Lee L, Munro CA, Midha R, Tator CH. Biocompatibility of a novel synthetic graft used for spinal cord injury repair. AANS, April 21 – 26, 2001, Toronto, ON.
35. Midha R, Shoichet MS, Dalton PD, Cao X, Munro CA, Noble J, Wong M. Tissue engineered alternatives to nerve transplantation for repair of peripheral nervous system injuries. AANS, April 21 – 26, 2001, Toronto, ON.
36. Midha R, Noble J, Nag S, Munro CA. Spatial loss of axons in nerve allografts following immunosuppression withdrawal. AANS, April 21 – 26, 2001, Toronto, ON.
37. Webb S, Munro CA, Midha R, Stanisz GJ. Multi-component T2 relaxation as a probe of demyelination and inflammation in rat sciatic nerve following trauma. Joint Annual Meeting ISMRM & ESMRMB, April21-27 2001, Glasgow, Scotland, UK.
38. Houlden DA, Rowed DW, Schwartz ML, Fazl M, Midha R, Finkelstein JA, Burkholder LM. A comparison of intraoperative MEP and SSEP spinal cord monitoring in spine surgery. AANS, April 21 – 26, 2001, Toronto, ON.
39. Houlden DA, Rowed DW, Schwartz MLS, Fazl M, Midha R, Finkelstein JA, Burkholder LM. Risk Factors Associated with Iatrogenic Nerve Root Injury During Cervical Spine Surgery. Canadian Congress of Neurological Sciences Annual Meeting, June 12-16, 2001, Halifax, NS.
40. Munro CA, Midha R, Shoichet MS, Dalton PD, Wong MKK. Tissue engineered alternatives to nerve transplantation for repair of peripheral nervous system injuries. Southern Ontario Neuroscience Association (SONA) 21st Annual Meeting, June 1, 2001, Hamilton, ON.
41. Midha R, Noble J, Munro CA, Nag S, Ang LC. Spatial loss of axons in nerve allografts following immunosuppression withdrawal. SONA 21st Annual Meeting, June 1, 2001, Hamilton, ON, Canada.
42. Midha R, Dalton PD, Munro CA, Wong MKK, Shoichet MS. Improved regeneration with a novel biocompatible tube enhanced with neurotrophic factors. CNS 51st Annual Meeting, September 29- October 4, 2001, San Diego CA. Awarded 2nd prize.
43. Houlden DA, Rowed DW, Schwartz MLS, Fazl M, Midha R, Finkelstein JA, Burkholder LM. Risk Factors Associated with Iatrogenic Nerve Root Injury During Cervical Spine Surgery. 11th Annual Meeting, ASPN, January 12-13, 2002, Cancun, Mexico.
44. Houlden DA, Rowed DW, Schwartz MLS, Fazl M, Midha R, Finkelstein JA, Burkholder LM. Risk Factors Associated with Iatrogenic Nerve Root Injury During Cervical Spine Surgery. 18th Annual Meeting of AANS/CNS Spine and Peripheral Nerves, Feb 27-March 2, 2002, Orlando, FL.
45. Midha R, Stanisz GJ, Webb S, Munro CA. Multi-component T2 relaxation as a quantitative measure of demyelination in vitro and in vivo. AANS 2002 Annual Meeting, April 6-9, 2002, Chicago, IL.
46. Webb S, Munro CA, Midha R, Stanisz GJ. In vivo multi-component T2 imaging of rat sciatic nerve at 1.5 T. Int Soc Magn Reson Med, May 18-24 2002, Honolulu, Hawaii.
47. Midha R, Stanisz GJ, Webb S, Munro CA. Multi-component T2 relaxation as a quantitative measure of demyelination in vitro and in vivo. SONA 22nd Annual Meeting, May 24, 2002, Toronto, ON.
48. Midha R, Munro CA, Dalton PD, Tator CH, Shoichet MS, Belkas J. Novel synthetic hydrogel nerve tube enhanced by growth factors as alternatives to nerve transplant for peripheral nerve repair. SONA 22nd Annual Meeting, May 24, 2002, Toronto, ON.
49. Midha R, Stanisz GJ, Webb S, Munro CA. Multi-component T2 relaxation as a quantitative measure of demyelination in vitro and in vivo, 37th Annual Meeting, CCNS, June 2002, Vancouver, BC.
50. Midha R, Gordon T, Munro CA, Nitising A. Preservation of endoneurial pathways in prolonged axotomized rat. Society for Neuroscience 32nd Annual Meeting, November 5, 2002 Orlando, FL.
51. Belkas J, Munro CA, Dalton P, Enescu C, Goraltchouk A, Shoichet M, Midha R. In vivo and in vitro evaluation of a synthetic hydrogel tube to repair rat sciatic nerve injury gaps. 12th Annual meeting ASPN, Kauai, Hawaii, Jan 11-12, 2003.
52. Houlden DA, Vennettilli M, Midha R, Rowed DR, Schwartz ML, Fazl M. Percentage of maximal muscle response evoked after transcranial electric stimulation. 12th Annual meeting ASPN, Kauai, Hawaii, Jan 11-12, 2003.
53. Belkas J, Munro CA, Dalton P, Enescu C, Goraltchouk A, Shoichet M, Midha R. In vivo and in vitro evaluation of a synthetic hydrogel tube to repair rat sciatic nerve injury gaps. 19th Annual meeting AANS/CNS Spine and Peripheral Nerves, Tampa, FL, March 6-8, 2003.
54. Belkas J, Munro CA, Dalton P, Enescu C, Goraltchouk A, Shoichet M, Midha R. In vivo and in vitro evaluation of a synthetic hydrogel tube to repair rat sciatic nerve injury gaps. Institute of Medical Science Annual Scientific Day. May 1, 2003, Toronto, ON, Canada.
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