

Curriculum Vitae

Personal

Name *Amgad S. Hanna, MD*

Citizenship United States

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Academic Appointment

2015-Present	Associate professor of Neurosurgery, Department of Neurological Surgery, University of Wisconsin, Madison
2015-Present	Nerve program director, Department of Neurosurgery.
2014-Present	Medical director 20S Park Clinic
2009 – 2015	Assistant professor of Neurosurgery, Department of Neurological Surgery, University of Wisconsin, Madison

Hospital Appointments

2009 - Present	Neurosurgeon University of Wisconsin Hospital and Clinics Madison, Wisconsin
2009 - Present	Neurosurgeon Meriter Hospital Madison, Wisconsin
2009 - Present	Neurosurgeon William S. Middleton Memorial Veterans Hospital Madison, Wisconsin
2009 - Present	Consultant Neurosurgeon St. Mary's Hospital Medical Center Madison, Wisconsin
2011- 2012	Neurosurgeon Beloit Memorial Hospital Beloit, WI

Dec 08 – Aug 09 Neurosurgeon
Immanuel St Joseph's hospital
Mankato, MN

Board Certification

05/2012 Certified by the American Board of Neurosurgeons (ABNS);
participating in MOC

License

04/09 – Present WI license # 52999-020
09/08 – Present MN license # 51131
07/06 – 12/08 PA license # MD429784, inactive
06/02 - 06/07 Graduate Medical Trainee temporary license, PA,
MT 179876.
07/01 - 06/02 Temporary license for training, MO, # 2001014985
10/99 - 06/01 Graduate Education Temporary Permit, LA.
07/94 - 11/94 Temporary Physician License, IL, # 125-032056.
09/91 - Present Certificate of Full Registration as a Medical Practitioner,
105 053, Cairo, Egypt

Clinical Training

07/08 – 06/09 Fellow in Spine and Peripheral Nerves, Mayo Clinic, Rochester,
MN
07/03 - 06/08 Neurosurgery resident, Jefferson University Hospital
06/02 - 06/03 Intern, Transitional Year Program, PGY1,
Jefferson Health System, Frankford Hospital.
07/01 - 06/02 Spine fellow, Department of Neurosurgery,
Washington University in St. Louis
10/99 - 06/01 Clinical fellow, Department of Neurosurgery,
LSUHSC, Shreveport, LA.
11/94 - 10/99 Neurosurgery resident,
University of Rennes I, France.
10/91 - 03/94 Lieutenant physician,
Egyptian Army Hospitals, Egypt (Military Service).
09/90 - 08/91 House officer,
Kasr El Eini Hospital, Cairo University, Egypt

Education

9/83 - 6/90 M.B.B. Ch (Medical Bachelor & Bachelor of Chirurgie),
Faculty of Medicine, Cairo University, Egypt.

Very Good with Honors Degree

9/80 - 6/83 High School Diploma,
College de la Salle, Daher, Cairo, Egypt.
Excellent with Honors Degree

Postgraduate Certificates

10/99 D.I.S. (Inter-university Diploma of Specialization) in
Neurosurgery, University of Rennes I, France.
09/99 Masters Degree of Biological and Medical Sciences,
University of Rennes I, France.
09/99 Certificate of General Anatomy and Organogenesis,
University of Rennes I, France.
06/99 Certificate of Cytogenetics,
University of Rennes I, France.
05/98 Diploma of Microsurgery,
University of Rennes I, France.

Other Certifications

2015 BLS, ACLS
08/06 ATLS
12/94 USMLE Step III
01/94 ECFMG Certificate (valid indefinitely) - n° 0-490-035-3.
09/93 USMLE Step I
07/93 ECFMG English Test.
12/92 Diploma of Profound Studies in French Language.
09/92 USMLE Step II

Grants, Awards, Scholarship

- Grainger Foundation, 2017: \$ 5,000; towards equipment.
- Fraternal Order of Eagles Foundation, 2015: \$ 5,000 x 1 yr.

PI: Hanna

Title: Treating Spinal Cord Injury with Nano-Porous Biomineral Coatings Releasing Therapeutic Proteins

- Bryon Riesch Paralysis Foundation, 2014: \$ 38,042 x 1yr.

PI: Hanna

Title: Local Sustained Delivery of Interleukin-10 to Attenuate Secondary Damage and Promote Functional Recovery after Spinal Cord Injury.

- Bryon Riesch Paralysis Foundation, 2012: \$ 36,000.00 x 1 yr.

PI: Hanna

Title: Role of NT3 released from sutures in regeneration after spinal cord injury in rats.

- AANS Medical Student Summer Research Fellowship 2014 (mentor): \$2500
- Generous donation from a grateful brachial plexus patient: \$ 1500, in 2015
- Shapiro program (mentor):
 - 2017: 1 student
 - 2015: 1 student (grant approved, student dropped out)
 - 2014: 2 students
 - 2013; 1 student
 - 2012: 2 students
 - 2011: 1 student
- Best poster award; neurosurgery research day 2017
- Neurosurgery clerkship teaching award 2016
- Neurosurgery clerkship teaching award 2014
- Neurosurgery clerkship teaching award 2013
- Resident Teaching Award 2017, University of Wisconsin, Madison
- Resident Teaching Award 2011, University of Wisconsin, Madison
- Cahill Award 2008; from the CNS/AANS joint section on Spine and Peripheral Nerve
- Scholarship of academic excellence during Medical School 1983 - 1990

Research

Clinical

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| 2017 | IRB 2017-0476
Transposition of the lateral femoral cutaneous nerve to treat meralgia paresthetica |
| 2013 | IRB 2013-1411
Review of peripheral nerve surgery at the University of Wisconsin Hospitals and Clinics from 2009-present |

Basic Science

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| 2017-present | mRNA-based gene therapy for spinal cord injury. Co-PI |
| 2014-present | Role of NT3-releasing sutures in sciatic nerve regeneration. Principal Investigator |
| 2014 – present | Local Sustained Delivery of Interleukin-10 to Attenuate Secondary Damage and Promote Functional Recovery after Spinal Cord Injury. Principal Investigator |
| 2013 – present | Cyclosporin A vs FK506 for immunosuppression and nerve regeneration. Principal Investigator |
| 2011 – present | Role of NT3 released from sutures in regeneration after spinal cord injury in rats. Principal Investigator |

2011-2012	Long tract axon staining in the rat spinal cord. Principal Investigator
2011-2012	Sciatic nerve isografts in inbred Lewis rats, evaluation of rejection and regeneration. Principal Investigator
07/09 – 2011	Spinal cord injury in rats after complete transection, role of Chondroitinase ABC with prolonged release through OPF tubes. Principal Investigator
07/08-06/09	A study of Bio-Cleanse processed bovine xenograft in a sheep model of anterior lumbar interbody fusion (ALIF) Mayo Clinic. Mentor: Paul Huddleston, MD
01/07 – 06/07	Axonal Regeneration after Cervical Spinal Cord Injury in Cats. Sciatic Nerve Grafting after Thoracic Spinal Cord Injury in Rats. Drexel University. Mentor: John Houle, PhD

Teaching

National

No one's favorite: Meralgia paresthetica. In, Special course 3: Surgical treatment of peripheral pain. DSPN, Orlando, March 2018

Upper extremity entrapment. In, Peripheral nerve course: Case-based approaches to peripheral nerve trauma and other conditions. DSPN, Orlando, March 2018

Cadaver course: DSPN, Orlando, March 2018

Lower extremity entrapments; in PC11 - Peripheral Nerve Surgery: Techniques and Exposure. CNS, Boston 2017

Nerve injury: diagnosis and management; in PC16 SANS MOC lecture. CNS, Boston 2017

Nerve entrapments; in PC16 SANS MOC lecture. CNS, Boston 2017

Upper extremity entrapment. In, Case-based Approaches to Peripheral Nerve Trauma and Other Conditions. PN course, DSPN, Las Vegas, March 2017

Imaging of peripheral nerves. Interesting cases. NSU Winter Clinics, Snowmass, Feb 2017

Meralgia paresthetica. In, Updates in management of peripheral neuropathy. PN course, ASPN Hawaii, 2017

Lower extremity entrapments. CNS 2016, San Diego

Peripheral nerve emergencies. In, Peripheral nerve injuries, entrapments and tumors: examination and evaluation: AANS 2016, Chicago

Upper extremity entrapments. In, SANS peripheral nerve board review: CNS 2015, New Orleans

Goodman Oral Board Review Course: Fall 2015 Spring 2015 Fall 2014

Nerve injury and repair. CNS SANS MOC Board Review Course. Phoenix 2015

Nerve entrapments. CNS SANS MOC Board Review Course. Phoenix 2015

Peripheral nerve injury and repair. Peripheral nerve course, Joint Section for Spine and Peripheral Nerve. Phoenix 2015

Complications of surgery for peripheral nerve injuries. The Winter Clinics for Cranial and Spinal Surgery. Snowmass 2015

Nerve injury and repair. CNS SANS MOC Board Review Course. Orlando 2014

Peripheral nerve injury and repair. Peripheral nerve course, Joint Section for Spine and Peripheral Nerve. Orlando 2014
 Lessons learnt in peripheral nerve tumors. The Winter Clinics for Cranial and Spinal Surgery. Snowmass 2014
 CNS SANS peripheral nerve questions written 2013
 Controversies in peripheral nerve trauma. The Winter Clinics for Cranial and Spinal Surgery. Snowmass 2013
 Spine deformity course; case presentation: AANS/CNS joint section for spine and peripheral nerves. Orlando 2012
 Upper extremity entrapments: The Winter Clinics for Cranial and Spinal Surgery. Snowmass 2012
 Peripheral nerve tumors, case presentations. The Winter Clinics for Cranial and Spinal Surgery; Snowmass 2011.
 Spine deformity course; sagittal balance. AANS, Philadelphia 2010
 Nerve Oral Board Webinar: Spring 2018 Fall 2017 Spring 2017 Fall 2016
 Spring 2016 Fall 2015 Spring 2015 Fall 2014 Spring 2014 Fall 2013
 Spring 2013 Fall 2012 Spring 2012 Fall 2011 Spring 2011 Fall 2010
 Spring 2010
 Peripheral nerve injuries in sports. (Online; CNS University Neurosurgery) 2010

Regional

Nerve Symposium. UW 2017
 Nerve Symposium. UW 2015
 Nerve Symposium. UW 2013
 Spine lab with residents; direct lateral interbody fusion. Milwaukee 2011.
 Spine course to residents; odontoid fractures. Milwaukee 2010.

Local

Undergraduates:

Neuro 611 clinical correlation lecture 2018
 Neuro 611 clinical correlation lecture 2017
 PhD committee member for Andrew Khalil thesis 2016-current; defended fall 2017: mineral-based biomaterials for non-viral gene therapies.
 PhD committee member for Armand Meza: 2017-current: role of plasticity in spontaneous recovery of breathing following spinal cord injury.
 Undergraduate students registered under Neuroscience 699, including mentoring in the lab, journal club and poster presentations; since 2009
 Undergraduate student under 681 zoology.

Medical Students:

Video recordings of anatomical dissections of body nerves will create an anatomy library for medical students.
 Cadaver course for M4, Upper extremity nerves. In, Clinical Anatomy and Radiology/Anatomy 722
 Longitudinal Teacher-Coach Apprentice (LTC-A): Fall 2017-Spring 2018
 LTC partner starting summer 2018

Longitudinal Teacher Coach (LTC) for the SMPH ForWard Curriculum: clinical skills: Fall 2017, Fall 2018

Neuroscience clerkship lecture: Spinal cord compression and radiculopathy: Monthly: July 2012 – Dec 2017

Neuroscience course: Cervical spondylosis lecture (12/2010).

Back pain multidisciplinary presentations (12/2010)

Mind and Motion Anatomy course for med. Students: Fall 2017; including Coaching cadaver dissections nervous system

Didactic lecture: Nerve entrapments

Hands-on anatomy dissection course, medical school Spring 2016

Clinical mentoring for several medical students; 2009-current

Patient, Doctor, and Society:	PDS 4: Spring 2017	PDS 3:Fall 2016	PDS 4:Spring 2016	PDS 3:Fall 2015	PDS 4:Spring 2015	PDS 3:Fall 2014	PDS 4:Spring 2014	PDS 3:Fall 2013	PDS 4:Spring 2013	PDS 3:Fall 2012	PDS 4:Spring 2012	PDS 3:Fall 2011	PDS 4:Spring 2011	PDS 3:Fall 2010	PDS 2:Spring 2010
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Clinical examination OSCE grading: 2017-present

PACE case OSCE grading: 2017-present

Neuroscience OSCE grading: July 2012 - 2017

2015 Research mentoring for 2 visiting medical students from Brazil and 1 from Chicago.

Mentoring medical students under the Shapiro program: 1 student in 2017, 2 students in 2014, 1 student 2013, 2 students in 2012, 1 in 2011

Residents:

Resident course (organizer): Oral board review cases every 2 months; since 2014

Resident course (organizer): Written board review every 2 months; since 2013

Residents' spine course, Madison: Fundamentals of spine surgery: ongoing, weekly; since July 2010

Resident course (organizer): Nerves Feb – Mar 2018;

Jan – Mar 2016;

Feb – Mar 2014;

April – June 2012;

Jan – July 2010

Resident hands-on spine lab	02/ 2017	02/2016	02/2015	02/2014
	02/2013	04/2012		

Resident hands-on Nerve lab (organizer) 03/2018 (Lynda Yang, visiting professor)

03/2017 (Rajiv Midha, visiting professor)

03/2016 (Shane Tubbs, visiting professor)

02/2015

03/2014 (Allen Maniker, visiting professor)

03/2013

05/2012

07/2010

Microsurgery course 2015; 2014

Clinical mentoring for residents; 2009-current.

Faculty:

Oral board review sessions with Drs. Lake, Brooks, Bragg, Medow, Baskaya, Sillay
Mentoring committee chair for Dr. Stadler

Publications

- Surgical Techniques in the Management of Painful Neuromas: A Systematic Review of the Literature. Rao, Li Y, Dawkins D, **Hanna A**. Being revised.
- Sustained interleukin-10 delivery reduces inflammation and improves motor function after spinal cord injury. Hellenbrand D, Reichl K, Travis B, Filipp M, Khalil A, Pulito D, Gavigan A, Maginot E, Arnold M, Adler A, Murphy W, and **Hanna A**. *The Journal of Neuroscience*. Submitted.
- Transposition of the lateral femoral cutaneous nerve. Hanna A. *J Neurosurg* 2018 Apr 13:1-6. doi: 10.3171/2017.8.JNS171120. [Epub ahead of print]
- Letter: Response to: Anatomical considerations on transposition of the lateral femoral cutaneous nerve. **Hanna A**, Hanna B. *Clin Anat* 2018 Mar 15. doi: 10.1002/ca.23070. [Epub ahead of print]
- Neurogenic Thoracic Outlet Syndrome Caused by Vascular Compression of the Brachial Plexus: A Report of Two Cases. **Hanna A**, Bodden L, Siebiger GRL. *JBPPNI* 2018 Feb 28;13(1):e1-e3. doi: 10.1055/s-0037-1607977. eCollection 2018 Jan.
- Peroneal nerve decompression. Corriveau M, Lescher JD, and **Hanna AS**. *Neurosurg Focus* 44 (Suppl1):V6, Jan 2018
- Neurofibroma of the peroneal nerve. Haldeman C, and **Hanna A**. *Neurosurg Focus* 44 (Suppl1):V2, 2018 [COVER]
- The Effects of Glial Cell Line-Derived Neurotrophic Factor After Spinal Cord Injury. Rosich K, Hanna BF, Ibrahim RK, Hellenbrand DJ, **Hanna A**. *Journal of Neurotrauma* 2017 Dec 15;34(24):3311-3325. doi: 10.1089/neu.2017.5175. Epub 2017 Oct 16.
- Letter: Preoperative ultrasound-guided wire localization of the lateral femoral cutaneous nerve. **Hanna A**. *Oper Neurosurg* (Hagerstown). 2017 Jun 1;13(3):E13. doi: 10.1093/ons/opx049. PMID: 28521352
- Preoperative ultrasound-guided wire localization of the lateral femoral cutaneous nerve. **Hanna A**, Ehlers M, Lee K. *Oper Neurosurg* (Hagerstown). 2017 Jun 1;13(3):402-408. doi: 10.1093/ons/opw009. PMID: 28521342
- Lateral femoral cutaneous nerve transposition: renaissance of an old concept in the light of new anatomy. **Hanna AS**. *Clin Anat* 2017 Apr;30(3):409-412. doi: 10.1002/ca.22849.
- The lateral femoral cutaneous nerve canal. **Hanna A**. *J Neurosurg* 2017 Mar;126(3):972-978. doi: 10.3171/2016.1.JNS152262.

- Immunohistochemical assessment of rat nerve isografts and immunosuppressed allografts. Hellenbrand DJ, Kaeppler KE, Ehlers ME, Thompson CD, Zurko JC, Buchholz MM, Springer AR, Thompson DL, Ibrahim RK, and **Hanna A**. *Neurol Res* 2016 Dec;38(12):1094-1101. Epub 2016 Nov 4.
- Guideline summary review: an evidence-based clinical guideline for the diagnosis and treatment of adult isthmic spondylolisthesis. Kreiner DS, Baisden J, Mazanec DJ, Patel RD, Bess RS, Burton D, Chutkan NB, Cohen BA, Crawford CH, Ghiselli G, **Hanna AS**, Hwang SW, Kilincer C, Myers ME, Park P, Rosolowski KA, Sharma AK, Taleghani CK, Trammell TR, Vo AN, Williams KD. *Spine J* 2016 Dec;16(12):1478-1485. doi: 10.1016/j.spinee.2016.08.034. Epub 2016 Sep 1.
- A Vascular Malformation Presenting as a Peripheral Nerve Sheath Tumor. Parmar V, Haldeman C, Amaefuna S, **Hanna A**. *JBPPNI* 2016 Oct 24;11(1):e38-e41. doi: 10.1055/s-0036-1593442.
- The SPA Arrangement of the Branches of the Upper Trunk of the Brachial Plexus: a Correction of a Longstanding Misconception and a New Diagram of the Brachial Plexus. **Hanna A**. *J Neurosurg* 2016 Aug;125(2):350-4. Doi:10.3171/2015.5.JNS15367. Epub 2015 Nov 27
- Treating spinal cord injury via sustained drug delivery from calcium phosphate coatings. Hellenbrand DJ, **Hanna A**. *Neural Regen Res* 2016 Aug; 11(8):1236-1237. doi: 10.4103/1673-5374.189176
- Sustained Release of Neurotrophin-3 via Biomineral Coated Sutures to Promote Axonal Regrowth through a Spinal Cord Injury. **Hanna A**, Thompson D, Hellenbrand D, Lee J, Madura C, Wesley M, Dillon N, Sharma T, Enright C, and Murphy W. *Journal of Neuroscience Research* 2016 Jul;94(7):645-52. doi: 10.1002/jnr.23730. Epub 2016 Mar 26.
- Use of Chemical Shift Encoded Magnetic Resonance Imaging (CSE-MRI) for high resolution fat-suppressed imaging of the brachial and lumbosacral plexuses. Grayev A, Reeder S, **Hanna A**. *European Journal of Radiology* 2016 Jun;85(6):1199-207. doi: 10.1016/j.ejrad.2016.04.002. Epub 2016 Apr 11
- Intraoperative Ultrasound-Assisted Peripheral Nerve Surgery. Haldeman C, Baggott C, **Hanna A**. *Neurosurgery Focus* 2015 Sep;39(3):E4. doi: 10.3171/2015.6.FOCUS15232
- An evidence-based clinical guideline for the diagnosis and treatment of lumbar disc herniation with radiculopathy. Kreiner DS, Hwang SW, Easa JE, Resnick DK, Baisden JL, Bess S, Cho CH, DePalma MJ, Dougherty P 2nd, Fernand R, Ghiselli G, **Hanna AS**, Lamer T, Lisi AJ, Mazanec DJ, Meagher RJ, Nucci RC, Patel RD, Sembrano JN, Sharma AK, Summers JT, Taleghani CK, Tontz WL Jr, Toton JF; North American Spine Society. *Spine J* 2014 Jan;14(1):180-91. doi: 10.1016/j.spinee.2013.08.003. Epub 2013 Nov 14
- Basic Techniques for Long Distance Axon Tracing in the Spinal Cord. Hellenbrand D, Kaeppler K, Hwang E, Ehlers M, Toigo R, Giesler J, Vassar-Olsen E, and Hanna A. *Microscopy Research and Technique* 2013 Dec;76(12):1240-9. doi: 10.1002/jemt.22291. Epub 2013 Sep 10

- Peripheral nerve grafts and chondroitinase ABC application improves functional recovery after complete spinal cord transection. Hanna A, Kaeppeler K, Ehlers M, Dadsetan M, Yaszemski M, Toigo R, Kim J, Hwang E, Bogarin-Miranda E, Buchholz M, Springer A, and Hellenbrand D. *Journal of Neurology Research* 2013; 3: 85-95.
- The therapeutic role of Interleukin-10 after spinal cord injury. Thompson C, Zurko J, Hann B, Hellenbrand D, and Hanna A. *Journal of Neurotrauma* 2013 Aug 1;30(15):1311-24. doi: 10.1089/neu.2012.2651. Epub 2013 Jul 18.
- Intraspinal ependymomas: case series study of myxopapillary and intramedullary ependymomas. Figueiredo N, Brooks N, Hanna A, Baskaya M, Trost G, Resnick D. *Chirurgia* 2013; 26: 101-10
- Thoracolumbosacral spinal subdural abscess: MRI appearance and limited surgical management. Khalil J, Nassr A, Diehn F, Campeau N, Atkinson J, Sia I, Hanna A. *Spine* 2013; 38 (13): E844-7 (Epub 2013 Feb 25)
- Osteotomy for laminoplasty without soft tissue penetration, performed using an harmonic bone scalpel: instrumentation and technique. Nickele CM, Hanna AS, Başkaya MK. *J Neurol Surg A Cent Eur Neurosurg* 2013; 74 (3): 183-6 (Epub 2013 Mar 15).
- Inadvertent Insertion of Nasogastric Tube into the Brain Stem and Spinal Cord after Endoscopic Skull Base Surgery. **Hanna A**, Grindle C, Patel A, Rosen M, Evans J. *Am J Otolaryngology* 2012 Jan-Feb;33(1):178-80
- Migration of silicone oil in the intraventricular system. Jabbour P, **Hanna A**, Rosenwasser R. *Neurologist* 2011 Mar; 17 (2): 109-10
- Adenocarcinoma of the prostate involving the lumbosacral plexus: MRI evidence to support direct perineural spread. Hebert-Blouin MN, Amrami K, Meyers RP, **Hanna A**, Spinner R. *Acta Neurochir* 2010 Sep; 152 (9): 1567-76
- Peripheral nerve grafts after cervical spinal cord injury in adult cats. Cote MP, **Hanna A**, Lemay M, Ollivier-Lanvin K, Santi L, Miller K, Monaghan R, Houle J. *Experimental Neurology* 2010; 225: 173-82
- Cervical extradural meningioma: case report and literature review. Frank BL, Harrop JS, **Hanna A**, Ratliff J. *J of Spinal Cord Medicine* 2008; 31 (3): 302-5
- Neurological manifestations of cervical spondylosis: An overview of signs, symptoms, and pathophysiology. Harrop JS, **Hanna A**, Silva M, and Sharan A. *Neurosurgery* 2007; 60 (ONS S1): ONS 1-ONS 7
- Experience with acellular human dura and bovine collagen matrix for duraplasty after posterior fossa decompression for Chiari malformation. Danish S, Samdani A, **Hanna A**, Storm PJ, and Sutton L. *Journal of Neurosurgery: Pediatrics* 2006;

104 (1): 16-20

- Anterior sacral meningocele in pregnancy: case report. **Hanna AS**, Morandi X. *Journal of Neurosurgery (Spine 1)* 2001; 94:160-2
- Teratome mature evolutif pineal (Pineal growing teratoma syndrome): case report. **Hanna A**, Edan C, Heresbach N, Benhassel M, Guegan Y. *Neurochirurgie* 2000; 46 (6): 568-72
- Anterior screw fixation of odontoid fractures. Morandi X, **Hanna A**, Hamlat A, Brassier G. *Surg Neurol* 1999; 51 (3): 236-40

Book Author

- *Anatomy and Exposures of Spinal Nerves*. Switzerland: Springer, 2015. Hard cover: ISBN 978-3-319-14519-8, e-book ISBN 978-3-319-14520-4, DOI 10.1007/978-3-319-14520-4
- *Nerve Cases. High yield scenarios for oral and written testing*. Switzerland: Springer, 2017. ISBN 978-3-319-39692-7 ISBN 978-3-319-39694-1 (eBook) DOI 10.1007/978-3-319-39694-1
- *Anatomy and Exposures of Spinal Nerves*. Chinese translation. January 2018. Peking University Medical Press. Beijing: Springer. Chinese ISBN: 978-7-5659-1698-4
- *Anatomy and Exposures of Spinal Nerves*. Russian translation. Agreement signed
- *Neurosurgery Primary Examination Review*. New York: Thieme. In press. Projected publication fall 2018

Book Editor

Surgical Anatomy of the Lumbar Plexus. R. Shane Tubbs, Marios Loukas, Amgad S. Hanna, and Rod J. Oskouian. New York: Thieme. In press

Book Chapters

- Surgical Lesioning of the Brain, Brain Stem, Spinal Cord, and Peripheral Nerves. Mark Corriveau, MD, and **Amgad Hanna**. In Alaa Abdel-Elsayed, ed. Pain: a review guide. Switzerland: Springer
- Carpal tunnel syndrome. Andrés A. Maldonado, Amgad S. Hanna, Robert J. Spinner. In Daniel Barrow, ed. The Society of Neurological Surgeons/Medical Student Neurosurgery Handbook. Submitted
- Cubital tunnel syndrome. Andrés A. Maldonado, Amgad S. Hanna, Robert J. Spinner. In Daniel Barrow, ed. The Society of Neurological Surgeons/Medical Student Neurosurgery Handbook. Submitted
- Suprascapular Nerve Entrapment. Andrés A. Maldonado, Amgad S. Hanna, Robert J. Spinner. In Daniel Barrow, ed. The Society of Neurological Surgeons/Medical Student Neurosurgery Handbook. Submitted

- Common peroneal nerve palsy. Thomas J. Wilson, Amgad S. Hanna, Robert J. Spinner. In Daniel Barrow, ed. *The Society of Neurological Surgeons/Medical Student Neurosurgery Handbook*. Submitted
- Surgical Techniques for Lumbosacral Plexus. Amgad Hanna, Vikas Parmar, Susan Toth. In *Surgical Anatomy of the Lumbar Plexus*. R. Shane Tubbs, Marios Loukas, Amgad S. Hanna, and Rod J. Oskouian, Eds. New York: Thieme. Submitted
- Emergent nerve injury. Hanna, Block, Salyapongse. In Selden, ed: *Oral Board Review*. Thieme. Submitted
- Submuscular ulnar nerve transposition. Ehlers M, Davis G, and **Hanna A**. In *Neurosurgical operative atlas: Spine and peripheral nerves*, 3rd ed. Wolfla and Resnick, Eds. New York: Thieme 2017. ISBN 978-1-60406-898-6, eISBN 978-1-60406-899-3
- Surgical techniques for peripheral nerve repair. Hamilton K, Lescher J, and **Hanna A**. In *Neurosurgical operative atlas: Spine and peripheral nerves*, 3rd ed. Wolfla and Resnick, Eds. New York: Thieme 2017. ISBN 978-1-60406-898-6, eISBN 978-1-60406-899-3
- Harvesting techniques of cutaneous nerves for cable graft repair. **Hanna A**, Lescher J, and Li Y. In *Neurosurgical operative atlas: Spine and peripheral nerves*, 3rd ed. Wolfla and Resnick, Eds. New York: Thieme 2017. ISBN 978-1-60406-898-6, eISBN 978-1-60406-899-3
- Transoral odontoid resection and anterior odontoid osteotomy. **Hanna A**, Sandoval-Garcia C, Deshmukh P. In *Spine Surgery: Tricks of the Trade*, 3rd ed. Vaccaro and Albert, Editors. New York: Thieme 2016. ISBN: 9781604068962, eISBN: 9781626232952
- Tarsal tunnel release. In *Neurosurgery tricks of the trade: Spine and peripheral nerves*. Nader and Berta, Eds. New York: Thieme, 2014
- Femoral and lateral femoral cutaneous nerve exposure. In *Neurosurgery tricks of the trade*. Nader and Berta, Eds. New York: Thieme, 2014
- Cerebrospinal fluid leaks from penetrating injuries: diagnosis and treatment. Styliaras J, Dalyai R, Hanna A, Sharan A, Harrop J. Crockard and Choi Eds. In *ArgoSpine news and journal 2012: 24 (3-4): 183-7*
- Spinal extradural meningiomas. Hanna A, Nguyen P, Singh H, Harrop J. In *Tumors of the central nervous system*. Hayat MA Ed. Netherlands: Springer, 2012
- Sports-Related Brachial Plexus Lesions. Hébert-Blouin MN, MD, **Hanna AS**, MD, and Spinner RJ, MD. In *Practical Approach to Brachial Plexus Lesions*. Mario Siqueira, and Roberto Martins, Eds. Rio de Janeiro: Dilivros, 2011
- Dural injuries. Campbell P, **Hanna A**, Harrop J. In *Rothman-Simeone: The Spine*. Philadelphia: Saunders-Elsevier, 2011
- Traumatic dural tears. **Hanna A**, Harrop, James. In *Spine trauma-surgical techniques*. Patel V, Burger E, and Brown C, Eds. New York: Springer, 2010
- Role of high-resolution imaging in patients with painful lumbosacral plexopathy.

- Hanna AS**, Hebert-Blouin MN, Morris J, Spinner R. In *Companion to peripheral neuropathy: illustrated cases and new diagnostic techniques*. Dyck P, Editor. Philadelphia: Elsevier, 2010
- Intramedullary tumors. **Hanna AS**, Krauss WE. In *Neurosurgery Case Review*. Nader and Sabbagh, Editors. New York: Thieme, 2009
 - Cervical myelopathy. **Hanna AS**, Nader R. In *Neurosurgery Case Review*. Nader and Sabbagh, Editors. New York: Thieme, 2009
 - Transoral odontoid resection and anterior odontoid osteotomy. **Hanna A**, Baron E, Harrop J. In *Spine Surgery: Tricks of the Trade*, 2nd ed. Vaccaro and Albert, Editors; New York: Thieme, 2009
 - The transforaminal lumbar interbody fusion procedure. Anderson G, Yuan P, **Hanna A**, Albert T. In *Rothman-Simeone: The Spine*, 5th ed. Philadelphia: Saunders-Elsevier, 2006

Non-Peer-Reviewed Papers

- Commentary on: "A Neglected Cause of Iatrogenic Brachial Plexus Injuries in Psychiatric Patients". Submitted to *Neurosurgery*.
- Nerve conduits used for end-to-side grafting after nerve injuries. Hanna A, Dempsey R. *Neurosurgery* 2013 Feb; 72(2):N15-16
- A better understanding of myelination using nanoindentation. **Hanna A**, Dempsey R. *Neurosurgery* 2011 Dec; 69(6):N10-11
- Live Imaging of Dorsal Root Regeneration and the resurgence of a forgotten idea. **Hanna, AS**, Son YJ, Dempsey R. *Neurosurgery* 2011 Aug; 69(2): N18-21
- Nerve Grafting for Spinal Cord Injury in Cats: Are We Close to Translational Research? **Hanna, AS**; Côté, MP; Houllé, J; Dempsey, R. *Neurosurgery* 2011 Apr; 68(4): N14-N15
- Nanofibrous channels: a potential alternative to nerve grafting. **Hanna AS**, Dempsey R. *Neurosurgery* 2010 Oct; 67(4): N14-15
- Traumatic injuries to the Atlas. **Hanna A**, Laurysen C. *Seminars in Neurosurgery* 2002; 13 (2): 159 – 71

Electronic Chapters

- Simple decompression and transection for meralgia paresthetica. Hanna A. CNS Nexus 2018. Submitted
- Transposition of the lateral femoral cutaneous nerve. Hanna A. CNS Nexus 2018. Submitted
- Entrapment neuropathies. First Consult. Elsevier. Submitted.
- Nerve Entrapment Syndromes. **Hanna A**, Harrop J, Pang D, Sahrakar K, Spinner R. e-Medicine from WebMD. Updated July 31, 2009 then 2013. Available at: <http://emedicine.medscape.com/article/249784-overview>.

- Rheumatoid involvement of the craniovertebral junction. **Hanna A**, Krauss W. CNS webinar. Last updated 2009

Press Release

Finding by Neurosurgeon Amgad Hanna Rewrites Anatomy Textbooks. UWSMPH, news and events. Nov 29, 2016

Moderator

- Surgery and anesthesia conference. Rome, Italy, June 2018
- Joint AAHS/ASPN nerve paper session. Waikoloa, HI, Jan 2017
- Upper cervical trauma. Vaccaro A, **Hanna A**, Currier B. 4th Mayo Clinic International Spine Symposium. Maui, HI 2009
- Cervical spine clearance. Chiba K, **Hanna A**, Currier B. 4th Mayo Clinic International Spine Symposium. Maui, HI 2009

Oral Presentations

- Preoperative ultrasound-guided wire localization of the lateral femoral cutaneous nerve. Surgery and anesthesia conference. Rome, Italy, June 2018
- Sustained Interleukin-10 Delivery Reduces Inflammation and Improves Motor Function after Spinal Cord Injury. DSPN, Orlando, March 2018
- Transposition of the lateral femoral cutaneous nerve. Sunderland society meeting. Stanford, CA, March 2018
- Nerve entrapments – Interesting cases. NSU Winter Clinics, Snowmass, Feb 2018
- Stop the euthanasia of the lateral femoral cutaneous nerve. Poster presentation, ASPN. Phoenix, AZ, Jan 2018
- Transposition of the lateral femoral cutaneous nerve. Oct 2017, Neurosurgery Research Day. University of Wisconsin, Madison
- Nerve grafting for nerve injuries. Oct 2017, Third Wisconsin nerve symposium
- Surgical management of pain after nerve injuries. Oct 2017, Third Wisconsin nerve symposium
- Preoperative ultrasound-guided wire localization of the lateral femoral cutaneous nerve. NeuroTalk, Barcelona, Spain, May 2017
- Upper extremity entrapment. *In*, Case-based Approaches to Peripheral Nerve Trauma and Other Conditions. PN course, DSPN, Las Vegas, March 2017
- Imaging of peripheral nerves. Interesting cases. NSU Winter Clinics, Snowmass, Feb 2017
- Meralgia paresthetica. *In*, Updates in management of peripheral neuropathy. PN course, ASPN Hawaii, 2017
- Sustained Release of Neurotrophin-3 Via Calcium Phosphate-Coated Sutures Promotes Axonal Regeneration After Spinal Cord Injury. World Gene Convention. Shanghai, China, November 2016

- Treatment of spinal cord injury via nerve grafts and NT-3-releasing sutures. Hellenbrand D, **Hanna A.** Nov 2016, Neurosurgery Research Day. University of Wisconsin, Madison.
- Technical Advances in Nerve Grafting Techniques. Midwest Facial Nerve Conference. Madison, WI. August 2016
- Spinal cord injury after thoracic instrumentation. Spine study group, Miami. May 2016
- The lateral femoral cutaneous nerve: why is it so hard to find? NSU Winter Clinics, Snowmass, Feb 2016
- Local Sustained Delivery of Therapeutic Molecules To Treat Spinal Cord Injury. Hellenbrand D, **Hanna A.** November 2015, Neurosurgery Research Day. University of Wisconsin, Madison.
- Nerve grafting for nerve injuries. Peripheral nerve symposium. UW Madison Oct 2015.
- The upper trunk trifurcation. Sunderland Society. Ann Arbor. June 2015
- Innovations in surgical treatment and pain management: DREZ. AANS. Washington, DC May 2015
- The SPA arrangement of the branches of the upper trunk of the brachial plexus. ASPN (American Society for Peripheral Nerves), Atlantis Jan 2015
- Brachial plexus, new anatomical concepts and management of pain. Plastic surgery grand rounds. September 2014.
- Radial nerve palsy secondary to humerus fracture. AANS. San Francisco 2014
- Preoperative ultrasound localization of the lateral femoral cutaneous nerve. **Hanna A, Lee K.** ASPN (American Society of Peripheral Nerves) 2014
- Nerve grafting for peripheral nerve injuries. PN symposium. UW 2013
- Surgical management of pain with nerve injuries. PN symposium. UW 2013
- Lateral femoral cutaneous nerve: New anatomical findings and surgical techniques. Neurosurgery research day. University of Wisconsin, Madison, October 2013
- Spinal cord regeneration after sciatic nerve grafts. Neuroregeneration seminar (Mitchell lab). October 13
- Advances in peripheral nerve imaging. Wisconsin society of PM&R 2013
- Peripheral nerve tumors; case presentation. AANS. New Orleans 2013
- Nerve isografts in inbred Lewis rats have minimal rejection and support axonal regeneration. Oral poster. AANS/CNS joint section for spine and peripheral nerves. Phoenix 2013
- Nerve isografts in inbred Lewis rats have minimal rejection and support axonal regeneration. Neurosurgery research day. University of Wisconsin, Madison, November 2012
- Peripheral nerve trauma. Wisconsin Neurological Society meeting October 2012
- Peripheral Nerve Grafts and Chondroitinase ABC Application Improves Functional Recovery after Complete Spinal Cord Transection. American Academy of

Neurological Surgery. Cape Cod, October 2012

- Peripheral nerve surgery updates. Aspirus Hospital, Wausau, WI. October 2012
- Complication avoidance in revision ulnar nerve decompression, case presentation: AANS/CNS joint section for spine and peripheral nerves. Orlando 2012
- Peripheral nerve surgery updates. Theda Clark Neuroscience Conference, Neenah, Jan 2012
- Role of peripheral nerve grafts in spinal cord regeneration. Neurosurgery research day. University of Wisconsin, Madison, Dec 2011
- Spinal cord injury and nerve grafting in rats. Neurosurgery grand rounds. University of Wisconsin, Madison, Oct 2011
- The Winter Clinics for Cranial and Spinal Surgery; peripheral nerve tumors, case presentations. Snowmass 2011
- Spine deformity course; sagittal balance. AANS, Philadelphia 2010
- Painful lumbosacral plexopathies. Mayo Clinic Neurology and Neurosurgery grand rounds, Rochester, MN 03/09
- Open anterior treatment of thoracolumbar fracture dislocation. **Hanna A.** 4th Mayo Clinic International Spine Symposium. Maui, HI 2009
- Traumatic vertebral artery dissections. **Hanna A.** Grand rounds, Mayo Clinic, Rochester, MN 10/08
- Case discussion: Parsonage-Turner syndrome. **Hanna A,** Spinner R. Sunderland Society meeting, Rochester, MN 2008
- Anterior lumbar interbody fusion vs arthroplasty. **Hanna A.** Grand rounds, Mayo clinic, Rochester, MN 08/08
- Techniques of nerve grafting in spinal cord injury. **Hanna A.** Grand rounds, Mayo clinic, Rochester, MN 07/08
- Spinal cord regeneration after complete transection in rats followed by sciatic nerve grafting. **Hanna A,** Lemay M, Shumsky J, Izzi J, Santi L, Coleman C, Maltenfort M, and Houle J. Pan Philadelphia Neurosurgery Conference, December 7, 2007
- Axonal regeneration after cervical spinal cord injury in cats. **Hanna A,** Lemay M, Lanvin K, Santi L, and Houle J. Pennsylvania Neurosurgical Society, Hershey, July 2007
- Neurosurgery grand rounds. Nerve grafting in spinal cord injury. **Hanna A,** Houle J. Thomas Jefferson University. June 2007
- Drexel University grand rounds. Surgical Aspects of Traumatic Spinal Cord Injury. **Hanna A.** Drexel University. February 2007
- Neurosurgery grand rounds. Basic Neuro-ophthalmology. **Hanna A,** Savino P. Thomas Jefferson University. December 2005
- Relationship between the internal carotid artery and the lateral mass of C1 based on CTAngiogram findings. **Hanna A,** Vadera S, Flanders A, Harrop J, Sharan A. Pennsylvania Neurosurgical Society, Hershey, July 2005
- Intracranial astrocytic tumors. **Hanna A,** Evans J. Core lectures in Neurosurgery. Thomas Jefferson University Hospital. July 2005
- Neurosurgery grand rounds. Myelomeningocele. **Hanna A,** Sutton L. Thomas

Jefferson University Hospital. January 7, 2005

- The efficacy of Duragen as a dural substitute following Chiari decompression. Danish S, Samdani AF, **Hanna A**, Stiefel M, Storm PJ, and Sutton L. Section of Pediatric Neurosurgery, San Francisco, CA. December 8-11, 2004
- Neurosurgery grand rounds. Brain abscess. **Hanna A**. Thomas Jefferson University Hospital. April 30, 2004
- Neurosurgery grand rounds. Brain metastases. **Hanna A**, Andrews D. Thomas Jefferson University Hospital. January 12, 2004
- Microsurgical anatomy of the trochlear nerve. Hanna A. Pan Philadelphia Neurosurgery Conference, December 05, 2003
- Neurosurgery grand rounds. Pituitary adenomas. **Hanna A**, Andrews D. Thomas Jefferson University Hospital. September 22, 2003
- Trauma grand rounds. Upper cervical trauma. **Hanna A**. Frankford hospital, Jefferson Health System, Philadelphia. March 28, 2003
- Neurosurgery grand rounds. C1-C2 instability. **Hanna A**. Washington University in St. Louis. May 29, 2002
- Breakfast seminar. Cervical spondylosis. Laurysen C, **Hanna A**. AANS, Chicago. April 2002
- Neurosurgery grand rounds. Anterior sacral meningocele: embryology and Neurosurgical management. **Hanna A**. Washington University in St. Louis. November 14, 2001
- Anterior Sacral Meningocele - Currarino's Triad: a diagnosis to think about. **Hanna A**, Shin P, Nanda A. Louisiana State Neurosurgery meeting. New Orleans, LA, January 2001
- Anterior screw fixation of odontoid fractures. **Hanna A**, Morandi X. Louisiana State Neurosurgery meeting. Shreveport, LA, January 2000
- Meningocele sacrée antérieure et grossesse : a propos d'un cas avec illustrations IRM. **Hanna A**, Morandi X, Riffaud L, Brassier G, Scarabin JM. Société de Neurochirurgie de Langue Franraise, Montréal, Canada, June 1999
- Growing teratoma syndrome: case report. **Hanna A**, Guegan Y. National meeting for neurosurgery residents. Tours, France, March 1999
- Anterior sacral meningocele. **Hanna A**, Morandi X, Brassier G. National meeting for neurosurgery residents. Tours, France, March 1998
- Advantages and difficulties of anterior screw fixation of odontoid fractures. Morandi X, **Hanna A**, Riffaud L, Dufour T, Brassier G. Société de Neurochirurgie de Langue Francaise, Paris, December 1997

Poster Presentations

- Improving Functional Recovery Post Sciatic Nerve Injury via Calcium Phosphate Coated Surgical Sutures Releasing Growth Factors. Gotchy J, Doucas A, Hellenbrand D, and **Hanna A**. December 2017, Undergraduate Mentored Research Poster

- Electrophysiological Analysis of Spinal cord Nerve Fibers in Adult Rats with Administration of Pancuronium Bromide and Dihydro-Beta-Erythridine Bromide. Alvarado J, Sporleder J, Hemp R, Moormann E, Hellenbrand D, and **Hanna A**. November 2017, 16th Annual SMPH Student Research Forum. University of Wisconsin, Madison
- Sustained Interleukin-10 Delivery Reduces Inflammation and Improves Motor Function after Spinal Cord Injury. Filipp M, Travis B, Gavigan A, Hemp R, Sporleder J, Gableman A, Dai E, Moormann E, Gotchy J, Ortmann S, Hellenbrand D, **Hanna A**. October 2017, Neurosurgery Research Day. University of Wisconsin, Madison [**First place award**]
- Transposition of the lateral femoral cutaneous nerve; Digital poster 4123. CNS, Boston 2017
- Maginot E, Gavigan A, Dai E, Gableman A, Henry S, Johnson A, Sporleder J, Uhl P, Hellenbrand DJ and **Hanna A**. Local, Sustained Delivery of Interleukin-10 Via Microparticles to Promote Functional Recovery After Spinal Cord Injury. Nov 2016, Neurosurgery Research Day. University of Wisconsin, Madison.
- Idzikowski E, Kind B, Magnuson S, Filipp M, Hellenbrand DJ and **Hanna A**. Rat Plasticity: How Do They Function After SCI and What Can We Learn. Nov 2016, Neurosurgery Research Day. University of Wisconsin, Madison.
- Filipp M, Hemp R, Hellenbrand DJ and Hanna A. Local, Sustained Delivery of Interleukin-10 Via Microparticles to Promote Functional Recovery After Spinal Cord Injury. May 2017, Undergraduate Mentored Research Poster Presentation. University of Wisconsin, Madison.
- Umhoefer J, Gavigan A, Magnuson S, Maginot E, Arnold MT, Adler AG, Khalil A, Hellenbrand DJ and **Hanna A**. Local, Sustained Delivery of Interleukin-10 Via Microparticles to Promote Functional Recovery After Spinal Cord Injury. November 2015, Neurosurgery research day. University of Wisconsin, Madison.
- Sharma T, Pulito DJ, Reichl KA, Hellenbrand DJ, **Hanna A**. Recording Compound Action Potentials in Rats after Spinal Cord Injury November 2015, Neurosurgery research day. University of Wisconsin, Madison.
- Reichl KA, Sharma T, Pulito DJ, Hellenbrand DJ, **Hanna A**. Comparison of Rat Spinal Cord Injury Models. November 2015, Neurosurgery research day. University of Wisconsin, Madison.
- Gavigan A, Umhoefer J, Magnuson S, Maginot E, Arnold MT, Adler AG, Khalil A, Hellenbrand DJ and **Hanna A**. Sustained Delivery of Interleukin-10 Via Microparticles to Promote Functional Recovery After Spinal Cord Injury. December 2015, Undergraduate Mentored Research Poster Presentation. University of Wisconsin, Madison.
- Ehlers ME, Hellenbrand DJ, St. Peter T, Reichl KA, Mayer MJ, Arnold MT, Adler AG, Razzaq OA, Hanna A. Methods for Immunosuppression: Inhibiting Graft Rejection While Enhancing Axonal Regeneration. March 4-7 **2015**, American Association of Neurological Surgeons / Congress of Neurological Surgeons. Phoenix, AZ.
- Magnuson S, Hellenbrand DJ, Hanna A. Local and Sustained Delivery of Interleukin-10 to Promote Functional Recovery after Spinal Cord Injury. May **2015**,

Undergraduate Mentored Research Poster Presentation. University of Wisconsin, Madison.

- Reichl KA, Ehlers ME, Arnold MT, Mayer MJ, Adler AG, Razzaq OA, Hellenbrand DJ, Hanna A. Methods for Immunosuppression: Inhibiting Graft Rejection While Enhancing Axonal Regeneration. October 2014, Neurosurgery research day. University of Wisconsin, Madison.
- Enright CJ, Sharma T, St. Peter TJ, Dillon NJ, Wesley MG, Hellenbrand DJ, Hanna A. Treating Spinal Cord Injuries with Nerve Grafts and Sutures Releasing Neurotrophin-3. October 2014, Neurosurgery research day. University of Wisconsin, Madison
- Ehlers ME, Hellenbrand DJ, Murphy WL, Hanna A. Local Sustained Delivery of Interleukin-10 to Attenuate Secondary Damage and Promote Functional Recovery after Spinal Cord Injury. November 2014, 13th Annual SMPH Student Research Forum. University of Wisconsin, Madison.
- St. Peter TJ, Enright CJ, Sharma T, Dillon NJ, Wesley MG, Hellenbrand DJ, Hanna A. Treating Spinal Cord Injuries with Nerve Grafts and Sutures Releasing Neurotrophin-3. November 2014, 13th Annual SMPH Student Research Forum. University of Wisconsin, Madison.
- Pulito D, Reichl KA, Hellenbrand DJ, Hanna A. The difference in using Cyclosporine A and FK506 in promoting axon regeneration and inhibiting graft rejection. November 2014, Undergraduate Mentored Research Poster Presentation. University of Wisconsin, Madison.
- Adler AG, Razzaq OA, Hellenbrand DJ, Enright CJ, Dillon NJ, Murphy WL, Hanna A. Peripheral Nerve Grafts & Sustained Therapeutic Protein Delivery to Promote Axonal Regeneration Following Spinal Cord Injury. Undergrad Research Poster Presentation, May 7, 2014, Madison , WI.
- Arnold MT, Reichl KA, Hellenbrand DJ, Hanna A. Best Immunosuppressant Methods To Inhibit Graft Rejection While Enhancing Axonal Regeneration. Undergrad Research Poster Presentation, May 7, 2014, Madison , WI.
- Transposition of the lateral femoral cutaneous nerve. AANS 2014, San Francisco, CA.
- Bjerregaard RW, Madura CJ, Laning KK, Richner TJ, Hellenbrand DJ, Hanna A. A Straightforward Technique for Eliciting and Recording Compound Action Potentials in a Rat Spinal Cord. AANS, 2014, San Francisco, CA.
- Anatomy of the Lateral Femoral Cutaneous Nerve; a Cadaveric Study. ASPN 2014
- Preoperative ultrasound-guided wire localization of the lateral femoral cutaneous nerve. **Hanna A**, Lee K. ASPN 2014
- Lateral Femoral Cutaneous Nerve Transposition; Anatomical Feasibility and Early Cases. ASPN 2014
- Treating Spinal Cord Injury with Peripheral Nerve Grafts and Neurotrophin-3 Releasing Sutures. CNS 2013, San Francisco, CA

- A straightforward technique for eliciting and recording compound action potentials in a rat spinal cord. Bjerregaard RW, Madura CJ, Fischer KJ, Hellenbrand DJ, Hanna A. Neurosurgery research day. University of Wisconsin, Madison, October 2013
- A straightforward technique for eliciting and recording compound action potentials in a rat spinal cord. Bjerregaard RW, Madura CJ, Fischer KJ, Hellenbrand DJ, Hanna A. Shapiro research day 2013
- Nerve isografts in inbred Lewis rats have minimal rejection and support axonal regeneration. AANS/CNS joint section for spine and peripheral nerves. Phoenix 2013
- Updated techniques for long distance axon tracing in the rat spinal cord. AANS/CNS joint section for spine and peripheral nerves. Phoenix 2013
- Sustained Therapeutic Protein Delivery via Biomineral Coated Sutures. Wesley MG, Enright CJ, Hellenbrand DJ, Lee J, Murphy WL, Hanna A. Neurosurgery research day. University of Wisconsin, Madison, November 2012
- Peripheral Nerve Grafts Serve as Scaffolds for Axonal Growth in the Spinal Cord. Dillion NJ, Sharma T, Hellenbrand DJ, Springer RA, Buchholz MM, Hwang E, Thompson DL, Glattard. NJ, Hanna A. Neurosurgery research day. University of Wisconsin, Madison, November 2012
- Techniques for Long-Distance Axon Tracing in the Spinal Cord. Vassar-Olsen ER, Hellenbrand DJ, Kaeppler KE, Hwang E, Thompson CD, Zurko JC, Ehlers ME, Toigo RD, Giesler JD, Suk AW, Hanna A. Neurosurgery research day. University of Wisconsin, Madison, November 2012
- Preoperative ultrasound localization of the lateral femoral cutaneous nerve. **Hanna A**, Lee K. CNS 2012; Chicago, IL
- Treatment of Spinal Cord Injury Using Peripheral Nerve Grafts and a Sustained Release of ChondroitinaseABC. **Hanna A**, Hellenbrand D, Kaeppler K, Kim J, Ehlers M, Toigo R, Hwang E, Dadsetan M, Yaszemski M. CNS 2011; Washington, DC
- Painful lumbosacral plexopathies due to prostate carcinoma. **Hanna A**, Hebert-Blouin MN, Amrami K, Spinner R. CNS 2009; New Orleans, LA
- Classification of sacropelvic resection for primary malignant tumors. **Hanna A**, Yaszemski M. AANS/CNS Section on Disorders of the Spine and Peripheral Nerves 2009; Phoenix, AZ
- Axonal Regeneration after complete spinal cord transection in rats followed by sciatic nerve grafting. **Hanna A**, Lemay M, Shumsky J, Izzi J, Santi L, Coleman C, Maltenfort M, and Houle J. AANS/CNS Section on Disorders of the Spine and Peripheral Nerves 2008; Orlando, FL
- Axonal regeneration after cervical spinal cord injury in cats. **Hanna A**, Lemay M, Lanvin K, Santi L, and Houle J. CNS 2007; San Diego, CA
- Anatomical segments of the fourth cranial nerve: A microsurgical cadaver study. **Hanna A**, Evans J. CNS 2006; Chicago, IL
- The application of myelography and postmyelographic computerized tomography to identify the vascular pedicle in spinal dural arteriovenous fistulas. **Hanna A**, Liebman K, Veznedaroglu E. CNS 2005; Boston, MA
- Relationship between the internal carotid artery and the lateral mass of C1 based on

CTAngiogram findings and its application to the insertion of the C1 lateral mass screws. Vadera S, **Hanna A**, Sahni D, Flanders A, Harrop J, Sharan A. AANS 2005; New Orleans, LA

- Microsurgical anatomy of the trochlear nerve. **Hanna A**, Evans J. CNS 2003; Denver, CO.
- Traumatic injuries of the atlas. **Hanna A**, Laurysen C. CNS 2002; Philadelphia, PA
- Cervical stenosis: a new scoring system. **Hanna A**, Laurysen C. CNS 2002; Philadelphia, PA
- Anterior sacral meningocele / Currarino's triad. **Hanna A**, Laurysen C. Spine, Science, and Management meeting for residents and fellows. New Orleans, LA 2001
- Abdominal complications of ventriculoperitoneal shunts: a comparison between the trocar and the open technique. **Hanna A**, Willis B, Abdallah S, Nanda A. CNS 2001; San Diego, CA
- Chemotherapy for anaplastic oligodendroglioma. **Hanna A**, Benhassel M, Nanda A. CNS 2000; San Antonio, Texas
- Anaplastic Oligodendroglioma : a series of 54 cases. **Hanna A**, Benhassel M, Laurent JF, Gedouin D, Lesimple T, Heresbach N, Guegan Y. European Association of Neuro-Oncology, Copenhagen, June 2000

Nerve Program development

- Attended SI bone specialty education, Burr Ridge, IL, March 2018
- Attended the second international symposium on **Innovations in Amputation Surgery & Prosthetic Technologies (IASPT)** meeting in Vienna, May 2018. Plan to build a team to bring that technology to the UW with plastic surgery, rehabilitation, occupational therapy, and prosthetics.
- Monthly brachial plexus clinic moving to full day Jan 2017, with increasing referrals, now with permanent presence from pain management. We are now in the process of moving the clinic to **20 S Park. The clinic has been completely renovated** to look nicer and be able to compete with other brachial plexus clinics in the Midwest.
- Monthly nerve clinic at the VA.

Outreach Program

- Peripheral nerve imaging. Wisconsin PM&R society. 2013.
- Beloit Clinic, monthly July 2011 - Nov 2012
- Peripheral nerve trauma. Wisconsin Neurological Society meeting 2012.
- Peripheral nerve surgery updates. Aspirus Hospital, Wausau, WI. October 2012
- Lunch with Dr Greenberg. Middleton, March 2013
- Lunch meeting with Dr Kline, rehab, Beloit (Aug 2012)
- Lunch talk Beloit: degenerative spine (May 2012)
- Lunch meeting in Dubuque, IA (May 2012)
- Peripheral nerve surgery updates. Theda Clark Neuroscience Conference,

Neenah, Jan 2012

Committees

National

SANS lifelong committee since 2017
ASPN education committee 2017
ASPN education committee 2016
ASPN technical exhibits committee 2014
NASS guidelines committee 2011-14

Local

Ambulatory specialty dyad since 2016
MPRC-Surgery (Multi-specialty Peer Review Committee) 2016-2017
CHS promotion committee member 2016-2019
Mentoring committee Dr. Stadler: 2017-current

Scientific Societies

ASPN member since 2014
NASS member since 2011
AANS member since 2003
CNS member since 2003
Member of the French Society of Spine Neurosurgery since February 1999.

Grant Reviewer

Health Research Council of New Zealand, Sir Charles Hercus fellowship 2018

Editorial Boards

Review editor: *Frontiers in Neurosurgery*
Ed board member: *Austin Journal of Neurosurgery*
Reviewer: *SciDoc Publishers - International Journal of Behavioral Research & Psychology*
Reviewer: *Neural Regeneration Research (NRR)*
CNS Education Committee *Neurosurgery Watch* Panel, focusing on Peripheral Nerve Neurosurgery
Reviewer: *World Neurosurgery* since 2016.
Reviewer: *Neurosurgery* since 2010.
Reviewer: *Journal of Biomedical Materials Research: Part A* since 2012
Reviewer: *SpringerPlus* since 2014.
Reviewer with Dr. Laurysen for *Neurosurgery, Journal of Spinal Disorders, and Spine* from July 2001 till June 2002.

Other Personal

- Date of Birth: April 29, 1966
- Status: Married, three children
- Languages: English (Fluent),
French (Fluent),
Coptic (reading, writing)
Arabic (native)
- Interests: Travelling, languages, swimming, tennis, and soccer
- Service/Global health: Sudan mission trip, June 2014.