

# Bradley T. Schmidt, MD

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## EMPLOYMENT

07/2023-Present      **Assistant Professor**  
Department of Neurological Surgery  
University of Wisconsin-Madison  
Specializing in Complex and Minimally Invasive Spine Surgery

07/2022-06/2023      **Clinical Instructor**  
Department of Neurological Surgery  
University of Wisconsin-Madison

## EDUCATION

07/2022-06/2023      **Neurosurgical Spine Fellowship**  
University of Wisconsin Hospitals and Clinics  
Madison, WI  
*Mentors – Gregory Trost MD, Daniel Resnick MD, Nathaniel Brooks MD*

07/2021-06/2022      **Neurological Surgery Chief Resident**  
University of Wisconsin Hospitals and Clinics  
Madison, WI

07/2015-06/2022      **Neurological Surgery Residency**  
University of Wisconsin Hospitals and Clinics  
Madison, WI

08/2011-05/2015      **The Ohio State University College of Medicine**  
*Doctor of Medicine*  
*Alpha Omega Alpha Honor Society Member*  
*Letters of Commendation / Honors in all years (Med1-Med4)*

09/2007-05/2011      **University of Michigan**  
*Graduated with High Distinction*  
*Bachelor of Science - Microbiology*  
*Received University Honors all semesters*  
*Angell Scholar*

09/2003-06/2007      **Anthony Wayne High School**  
*Valedictorian*  
*Senior Class President*

## PUBLICATIONS

2023      **Schmidt B**, Chen K, Kim, J, Brooks, N. *Applications of Navigation in Full-Endoscopic Spine Surgery*. European Spine Journal. 2023. Accepted 8/2023.

2022      **Schmidt B**, Resnick D. *Update on Spinal Fusion*. Book chapter from Neurosurgery for Neurologists, An Issue from Neurologic Clinics. Edited by Dr Lonser and Dr Resnick, 2022.

2020      **Schmidt B**, Strayer A, Stadler J. *Upper Thoracic Spine Synovial Cyst Resulting in Paraplegia Following Transient Hypotension*. Cureus. Aug 2020. PMID 32963911.

2020      Resnick D, **Schmidt B**, Momin E, Hetzel S, Ghogawala Z. *Inter-observer Variance and Patient Heterogeneity Influencing the Treatment of Grade I Spondylolisthesis*. The Spine Journal. June 2020. PMID 32534135

- 2020 **Schmidt B**, Trost G. *Occipitocervical Spine Approaches for Decompression*. Book chapter from Spine Surgery, 5<sup>th</sup> Edition, by Dr Edward Benzel.
- 2019 **Schmidt B**, Pun C, Caropreso B, Hetzel S, Lake W, Resnick D. *Use of a Laryngeal Mask Airway Decreases Radiation Exposure During CT Guided Percutaneous Glycerol Rhizotomy*. World Neurosurgery. Nov 2019. PMID 31790838.
- 2019 **Schmidt B**, Cikla U, Kozan A, Dempsey R, Baskaya M. *Hydrocephalus Following Giant Transosseous Vertex Meningioma Resection*. JNLS-B Skull Base. Sept 2019.
- 2019 **Schmidt B**, Pun C, Lake W, Resnick D. *CT Guidance for Percutaneous Glycerol Rhizotomy for Trigeminal Neuralgia - A Novel Approach*. Operative Neurosurgery. Dec 2019. PMID 31848621.
- 2019 **Schmidt B** and Hanna A. *Deadly proliferation of pilocytic astrocytoma in pregnancy: A case report and review of literature*. World Neurosurgery. Sept 2019. PMID 31574330.
- 2018 Onen MR, Moore K, Cikla U, Ucer M, **Schmidt B**, Field AS, Baskaya MK. *Hypertrophic Ovary Degeneration: Neurosurgical Perspective and Literature Review*. World Neurosurgery. Jan 2018. PMID: 29382617
- 2018 **Schmidt B**, Brooks N. *Transthoracic retropleural approach to thoracic discectomy*. CNS Nexus Online Educational Case Database. <https://cnsnexus.crowdwisdomhq.net/nexus/article/13809>.
- 2017 *Emergent resection of AVMs with intracerebral hemorrhage in progressively worsening patients*, Neurosurgical Focus, Operative Video – Skull Base
- 2017 *Combined Transpetrosal and Subtemporal Approach for Petroclival Meningioma: Microsurgical Technique*, Neurosurgical Focus, Operative Video – Skull Base
- 2016 Ha S, **Schmidt B**, Corriveau M, Trost G. *The Geriatric Spine*. Book chapter from Spine Surgery, 4<sup>th</sup> Edition, by Dr Edward Benzel.
- 2012 Luker K, Lewin S, Mihalko L, **Schmidt B**, Winkler J, Coggins N, Thomas D, Luker G. *Scavenging of CXCL12 by CXCR7 Promotes Tumor Growth and Metastasis of CXCR4-positive Breast Cancer Cells*. Oncogene. Nov 2012. PMID 22266857.
- 2011 Ray P, Lewin S, Mihalko L, **Schmidt B**, Luker K, Luker G. *Noninvasive Imaging Reveals Inhibition of Ovarian Cancer by Targeting CXCL12-CXCR4*. Neoplasia. Dec 2011. PMID 22241961.
- 2011 Luker K, Mihalko L, **Schmidt B**, Lewin S, Ray P, Shcherbo D, Chudakov D, Luker G. *In vivo imaging of ligand receptor binding with Gaussia luciferase complementation*. Nature Medicine. Dec 2011. PMID 22138753.
- 2010 Scherbo D, Shemiakina I, Ryabova A, Luker K, **Schmidt B**, Souslova E, Gorodnicheva T, Strukova L, Shidlovskiy K, Britanova O, Zaisky A, Lukyanov K, Loschenov V, Luker G, Chudakov D. *Near infrared fluorescent proteins*. Nature Methods. Oct 2010. PMID 20818379.

## PRESENTATIONS / POSTERS

- 2023 **Schmidt B**. *Spine Case Discussions – Faculty Mentor / Panelist*. Bolivia Lecture Series, University of Wisconsin-Madison. Presentation. 10/5/2023.
- 2023 **Schmidt B**. *Thoracolumbar Spine Injuries*. Bolivia Lecture Series, University of Wisconsin-Madison. Presentation. 8/17/2023.
- 2023 **Schmidt B**. *Expectations vs Reality: Lessons from a Fellow and First-Year “Pretending”*. University of Wisconsin Department of Neurosurgery Grand Rounds. Presentation. 6/21/2023
- 2023 Meisner L, Traverzo D, Larson S, Resnick D, Brooks N, **Schmidt B**. *Patient Factors Predicting Extended Length-of-Stay Following One or Two Level Laminectomies at an Outpatient Surgery Center*. AANS National Meeting. Poster. 4/12/2023.

- 2023 **Schmidt B.** *Current Evidence for the Surgical Treatment of Cervical Spondylosis.* University of Wisconsin - Spine Symposium and Surgical Skills Lab. Presentation and Panel Discussion. 3/3/2023.
- 2023 **Schmidt B.** *Spine Cases with Endless Surgical Options: Can MIS Be The Answer?.* University of Wisconsin - University of Wisconsin Fundamentals of Spine Surgery: Global Symposium. Presentation. 2/17/2023.
- 2023 **Schmidt B.** *Neurosurgery Case Review.* Meriter Neurosurgery Unit Council Meeting. Presentation. 1/25/2023.
- 2023 **Schmidt B.** *Principles of Bracing and Traction in the Spine.* Bolivia Lecture Series, University of Wisconsin-Madison. Presentation. 1/5/2023.
- 2022 **Schmidt B.** *Mock Oral Boards Presentation.* University of Wisconsin Department of Neurosurgery Monday Case Conference. Presentation. 10/3/2022
- 2022 **Schmidt B.** *To Challenge, Investigate, and Evolve: The Pillars of Academic Spine Surgery.* University of Wisconsin Department of Neurosurgery Grand Rounds. Presentation. 9/7/2022.
- 2022 Meisner L, Traverzo D, Larson S, Resnick D, Brooks N, **Schmidt B.** *Patient Factors Predicting Extended Length-of-Stay Following One or Two Level Laminectomies at an Outpatient Surgery Center.* Neurosurgery Research Day, University of Wisconsin-Madison. Poster and Presentation. 2022.
- 2022 **Schmidt B.** *Get The Patient Flipped and Do The Surgery: Pearls of Spine Surgery Positioning.* University of Wisconsin - University of Wisconsin Fundamentals of Spine Surgery: Global Symposium. Presentation. 8/5/2022.
- 2021 **Schmidt B,** Parmar V, Ghogawala Z, Resnick D. *Identifying patient specific variables influencing decisions to perform fusion based on expert panel recommendations from SLIP II study.* CNS National Meeting. Oral presentation and digital poster. 10/16/2021.
- 2021 **Schmidt B,** Kanarek A, Blankenbaker D, Hanna A. *Sciatica of Non-Disc Origin.* CNS National Meeting. CNS National Meeting. Oral presentation and digital poster. 10/20/2021.
- 2021 **Schmidt B.** *Spine Trauma Cases.* University of Wisconsin Hospital And Clinics. (oral presentation) 8/20/21.
- 2021 **Schmidt B.** *PICA, AICA, SCA anatomy and surgical approaches.* University of Wisconsin Hospital And Clinics. (oral presentation) 5/20/21.
- 2020 **Schmidt B.** *History of Spine Surgery and Instrumentation.* University of Wisconsin Hospital And Clinics. (oral presentation) 8/14/20.
- 2020 **Schmidt B.** *Occipitocervical Fusion and AOD.* University of Wisconsin Hospital And Clinics. (oral presentation) 6/22/20.
- 2019 **Schmidt B.** *Upper Cervical Arthrodesis and Screw Fixation.* University of Wisconsin Hospital And Clinics. (oral presentation) 11/1/19.
- 2019 **Schmidt B,** Pun C, Caropreso B, Hetzal S, Lake W, Resnick D. *Use of a Laryngeal Mask Airway Decreases Radiation Exposure During CT Guided Percutaneous Glycerol Rhizotomy.* CNS National Meeting. Oral presentation and digital poster. 10/23/19.
- 2019 **Schmidt B,** Pun C, Caropreso B, Hetzal S, Lake W, Resnick D. *Use of a Laryngeal Mask Airway Decreases Radiation Exposure During CT Guided Percutaneous Glycerol Rhizotomy.* UW Neurosurgery Research Day. Poster Presentation. 10/18/19.
- 2019 **Schmidt B.** *Congenital and Acquired Spinal Deformities.* University of Wisconsin Hospital And Clinics. (oral presentation) 9/13/19.
- 2019 **Schmidt B.** *Pediatric Spine Deformities.* University of Wisconsin Hospital And Clinics. (oral presentation) 3/15/19.
- 2019 **Schmidt B.** *Brachial Plexus: Supraclavicular, Infraclavicular, Posterior, and Musculocutaneous.* University of Wisconsin Hospital And Clinics. (oral presentation) 2/8/19.

- 2018 **Schmidt B.** *Thoracolumbar Case Discussions.* University of Wisconsin Hospital And Clinics. (oral presentation) 12/21/18.
- 2018 **Schmidt B.** *Upper Cervical Arthrodesis and Screw Fixation.* University of Wisconsin Hospital And Clinics. (oral presentation) 9/14/18.
- 2018 Cikla U, **Schmidt B**, Baskaya M. *Combined Transpetrosal and Subtemporal Approach for Petroclival Meningioma: Microsurgical Technique.* Prague, Czech Republic (oral presentation) 8/29-9/3/2018.
- 2018 **Schmidt B.** *Fourth Ventricle Tumors and Surgical Approaches.* University of Wisconsin Hospital And Clinics. (oral presentation) 8/23/18.
- 2018 **Schmidt B.** *History, Anatomy, and Fundamentals of the Spine - Jeopardy.* University of Wisconsin Hospital And Clinics. (oral presentation) 7/6/18.
- 2018 **Schmidt B.** *History of Spine Surgery.* University of Wisconsin Hospital And Clinics. (oral presentation) 4/6/18.
- 2017 **Schmidt B.** *Spinal Vascular Malformations.* University of Wisconsin Hospital And Clinics. (oral presentation) 9/15/17.
- 2016 **Schmidt B.** *Management of Increased Intracranial Pressure.* University of Wisconsin Hospital And Clinics. (oral presentation) 1/28/16.

## TEACHING ACTIVITIES

- 2023 Phase 2 Medical Student Faculty Mentor  
**University of Wisconsin School of Medicine and Public Health**
- 2023 Continuity Clinic Medical Student Faculty Mentor  
**University of Wisconsin School of Medicine and Public Health**
- 2023 Faculty Instructor / Panelist  
**University of Wisconsin Spine Symposium and Surgical Skills Lab**
- 2022-Present Faculty Instructor  
**University of Wisconsin Bolivia Teaching Series**
- 2022-Present Faculty Instructor  
**University of Wisconsin Multidisciplinary Spine Case Conference**
- 2022-Present Faculty Instructor  
**University of Wisconsin Fundamentals of Spine Surgery: Global Symposium**

## COURSES ATTENDED

- 2023 **CNS Spine Complications Course.** Park City, UT. Jan 27-29, 2023.
- 2019 **AANS/NREF Senior Resident's Course on MIS and Emerging Spinal Technologies.** Barrow Neurological Institute. Phoenix, AZ. Aug 15-17, 2019.
- 2019 **Cleveland Clinic Spine Review Course.** Cleveland Clinic. Cleveland, OH. Jul 17-23, 2019.
- 2018 **Research Update in Neuroscience for Neurosurgeons (RUNN).** Society of Neurological Surgeons. Woods Hole, MA. Oct 27-Nov 3, 2018.

## HONORS/AWARDS

- 2020 **Neurosurgery Resident Research Award**  
*Department of Neurosurgery, University of Wisconsin*
- 2020 **Medical Student Teaching Award**  
*Department of Neurosurgery, University of Wisconsin*
- 2014 **Alpha Omega Alpha Honor Society Member**  
*Ohio State University College of Medicine*

- 2013 **OSUCOM Academic Merit Scholarship**  
*Ohio State University College of Medicine*
- 2013 **William Craig Orr & Mary Black Orr Scholarship in Medicine**  
*Ohio State University College of Medicine*
- 2007 **High School Valedictorian**  
*Anthony Wayne High School, Whitehouse, OH.*
- 2006 **Eagle Scout**  
*Troop 101, Waterville, Ohio*

#### **VOLUNTEERING/LEADERSHIP/ACTIVITIES**

- 2019 **University of Wisconsin Neurosurgery Residency Applicant Interviewer**  
*Department of Neurosurgery, University of Wisconsin*
- 2012-2015 **Ohio State College of Medicine Admissions Committee Member**  
*Ohio State University College of Medicine*
- 2012-2013 **Ohio State College of Medicine Internal Medicine Interest Group President**  
*Ohio State University College of Medicine*
- 2012-2013 **OSU College of Medicine Admissions Tour Guide Co-Coordinator**  
*Ohio State University College of Medicine*
- 2011-2012 **Physicians Free Clinic Volunteer**  
Columbus, OH
- 2009-2011 **Resident Advisor**  
*Stockwell Hall, University of Michigan*