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PERSONAL INFORMATION

Date/Place of Birth: December 20, 1977, Santa Rosa, CA

Wife: Jessica L. Kimmell

Children: Madeline, Benjamin

Citizenship: United States of America

EMPLOYMENT

2022-2024	Chief of Neurosurgery	Rochester Regional Health
2019-2022, 2024-	Staff Neurosurgeon	Rochester Regional Health
2017-2019	Staff Neurosurgeon	Meritas Health/North Kansas City Hospital

EDUCATION

2010-2017	Neurosurgery Residency	University of Rochester Medical Center
2006-2010	Medicine With Distinction	M.D. University of Oklahoma College of Medicine
1996-2001	Letters and Classics <i>Magna Cum Laude</i> , Dean's List	B.A. University of Oklahoma

AWARDS AND HONORS

2015-16	Congress of Neurologic Surgeons, Resident Leadership Fellow
2015	Integra Foundation Abstract Award, 2015 American Association of Neurological Surgeons Annual Meeting
2014-15	Socioeconomic Fellow, Council of State Neurosurgical Societies
2012	Best Clinical Research Poster, Steven R. Schwid Neuroscience Symposium, University of Rochester Medical Center
2011	Mark R. Johnson Excellence in Medical Writing, Oklahoma State Medical Association
2009	Alpha Omega Alpha Honor Medical Society
2008	OU College of Medicine Dean's Scholar
2008, 09	OUHSC Sooner Heritage Scholarship
2007	Medical Student Research Scholarship, American Academy of Neurology
2006	Fred S. Clinton Memorial Scholarship
2006, 2009	Freda Sorensen Plummer Scholarship
2006-9	Raymond J. Ott Scholarship
2001	Phi Beta Kappa
1996	National Merit Scholar

PROFESSIONAL SOCIETIES

Fellow, American Association of Neurological Surgeons
Member of Young Neurosurgeons Committee (2013-2017)
Member, Editorial Board, *AANS Neurosurgeon* (2014-2020)
Chair, AANS Marshals Committee (2015)

Member, Public Education Committee (2015-2017)
Member, Ethics Committee (2018-2020)
Member, AANS/CNS Joint Communications and Public Relations Committee (2015-2018)
Vice Chair, AANS/CNS Joint Communications and Public Relations Committee (2018-2022)
Chair, AANS/CNS Joint Communications and Public Relations Committee (2023-)
Member AANS/CNS Joint Coding and Reimbursement Committee (2021-)
Alternate Representative, AMA RVU Update Committee (2022-)

American College of Surgeons

American Medical Association

Congress of Neurological Surgeons

Member, Resident Committee (2015-16)

Council of State Neurosurgical Societies, CNS Caucus Delegate (2014-2022)

Chair, Patient Safety Committee (2017-2021)

North American Spine Society

Diplomate, American Board of Neurological Surgery

PUBLICATIONS

Book Chapters

1. **Kimmell KT**, Naff NJ, Huang JH. “Brachial Neuritis and Peripheral Neuropathies” in Harbaugh RE, Shaffery C, Couldwell WT, Berger MS. *Neurosurgery Knowledge Update*. Thieme Publishers (NY). 2015.
2. Schmidt T, **Kimmell KT**. “Neurotrauma, Anticoagulation Considerations” in Papadakos P, Gestring M. *Encyclopedia of Trauma Care*. Springer. 2015.
3. **Kimmell KT**, Maurer PK. “Cervical Laminectomy and Laminoforaminotomy” in *Benzel’s Spine Surgery: Techniques, Complication Avoidance, and Management*, 4th Edition. Elsevier Publishers (PA). 2016.

Original Publications

1. Eid AA, Keddissi JI, Samaha M, Tawk MM, **Kimmell K**, Kinasewitz GT. Exudative Effusions in Congestive Heart Failure. *Chest* 2002 Nov; 122: 1518-23.
2. **Kimmell KT**, Andrews MB, Lees, JS, Rabb CH. Anorectal fissures: An under recognized cause of low back pain? A case report. *J Okla State Med Assoc*. 2010 Jan; 103(1): 10-2.
3. Dayoub H, Scheuler WB, Shakir H, **Kimmell KT**, Sincoff EH. The relationship between the zygomatic arch and the floor of the middle cranial fossa, A Radiographic Study. *Neurosurgery*. 2010 Jun; 66 (6 Suppl Operative): 363-9.
4. **Kimmell KT**, Dayoub H, Stolzenberg ED, Sincoff EH. Chordoma in the lateral medullary cistern in a patient with tuberous sclerosis: a case report and review of the literature *Surg Neurol Int* 2010, **1**:13.
5. Al-Kali A, Cherry M, **Kimmell K**, Holter J, Kern W, Gehrs B, Ozer H, Selby G. A case of acute myeloid leukemia initially treated as chronic lymphocytic leukemia: what do we know about t(4;12)(q12;p13)? *Cancer Genet Cytogenet*. 2010 Dec; 203 (2):348-51.
6. **Kimmell KT**, Dayoub H, Shakir H, Sincoff EH. Spinal dural attachments to the vertebral column: an anatomic report and review of the literature. *Surg Neurol Int*. 2011;2:97. Epub 2011 Jul 18.
7. **Kimmell KT**, Petraglia AL, Ballou M, Pilcher WH. William P. Van Wagenen (1897-1961) – Pupil, Mentor, and Neurosurgical Pioneer. *J Neurosurg*. 2013 Sep;119(3):789-95.
8. **Kimmell KT**, Johnson M, Rubinova R, Vates GE. Cushing-type ectopic pituitary with unusual pathologic features. Accepted for publication, *Interdisciplinary Neurosurgery*. 10.1016/j.inat.2014.04.003
9. **Kimmell KT**, Petraglia AL, Bakos R, Rodenhouse TR, Maurer PK, Pilcher WP. The History of Neurosurgery at the University of Rochester. *J Neurosurg*. 2014 Oct;121(4):989-94.
10. **Kimmell KT**, Walter KA. Risk factors for venous thromboembolism in patients undergoing craniotomy for neoplastic disease. *J Neurooncol*. 2014 Dec;120(3):567-73.
11. **Kimmell KT**, Weil RJ, Marko NF. Multi-modal management of acromegaly: a value perspective. *Pituitary*. 2015 Oct;18(5):658-65. doi: 10.1007/s11102-014-0626-1.
12. **Kimmell KT**, Jahromi BS. Clinical factors are predictive of VTE risk in patients undergoing craniotomy. *J Neurosurg*. 2015 May; 122(5): 1004-11.

13. Feldman M, **Kimmell KT**, Replogle RE. Resection of an occipital-cervical junction schwannoma through a modified minimally invasive approach: case report and technical note. *Surg Neurol Int.* 2015 May 7;6(Suppl 4):S177-81.
14. **Kimmell KT**, LaSota E, Weil RJ, Marko NF. Comparative effectiveness analysis of treatment options for single brain metastasis. *World Neurosurg.* 2015 Jun 19. pii: S1878-8750(15)00769-X. doi: 10.1016/j.wneu.2015.06.021. [Epub ahead of print].
15. Algattas H, **Kimmell KT**, Vates GE, Jahromi BS. Analysis of venous thromboembolism risk in patients undergoing craniotomy. *World Neurosurg.* 2015 Jun 24. pii: S1878-8750(15)00781-0. doi: 10.1016/j.wneu.2015.06.033. [Epub ahead of print].
16. **Kimmell KT**, Algattas H, Joynt P, Schmidt T, Jahromi BS, Silberstein HJ, Vates GE. Risk modeling predicts complication rates for spinal surgery. *Spine (Phila Pa 1976).* 2015 Jul 10. [Epub ahead of print]
17. **Kimmell K**, Pulusu VK, Bharucha KJ, Ross ED. Postural Instability in Parkinson Disease: To Step or Not to Step. *J Neurol Sci.* 2015 Jul 15. pii: S0022-510X(15)00441-4. doi: 0.1016/j.jns.2015.07.020. [Epub ahead of print].
18. Miranda SP, **Kimmell KT**, Silberstein HJ. Acute presentation of Chiari I malformation with hemiparesis in a pediatric patient. *World Neurosurg.* 2015 Sep 11. pii: S1878-8750(15)01166-3. doi: 10.1016/j.wneu.2015.09.003. [Epub ahead of print].
19. Algattas H, **Kimmell KT**, Vates GE. Risk of reoperation for hemorrhage in patients post-craniotomy. *World Neurosurgery.* Accepted for publication.
20. Algattas H, **Kimmell KT**, Petraglia AP, Maurer PK. Conservative Management of a Cervical Ligamentum Flavum Hematoma: Case Report. *Surg Neurol Int.* 2016 Jan 25;7(Suppl 3):S61-3.
21. Lee CC, **Kimmell KT**, Lalonde A, Salzman P, Miller MC, Calvi LM, Manuylova E, Shafiq I, Vates GE. Geographic Variation in Cost of Care for Pituitary Tumor Surgery. *Pituitary.* 2016 Oct;19(5):515-21.
22. Piper K, Algattas H, DeAndrea-Lazarus IA, **Kimmell KT**, Li YM, Walter KA, Silberstein HJ, Vates GE. Risk factors associated with venous thromboembolism in patients undergoing spine surgery. *J Neurosurg Spine.* 2017 Jan;26(1):90-96.
23. Tomlinson SB, Piper K, **Kimmell KT**, Vates E. Preoperative frailty score predicts 30-day morbidity and mortality following cranial neurosurgery. *World Neurosurg.* 2017. Nov;107:959-965.
24. Piper KF, Tomlinson SB, Santangelo G, Van Galen J, DeAndrea-Lazarus I, Towner J, **Kimmell KT**, Silberstein H, Vates GE. Risk factors for wound complications following spine surgery. *Surg Neurol Int.* 2017 Nov 1;8:269
25. Algattas H, Damania D, DeAndrea-Lazarus IA, **Kimmell KT**, Marko NF, Walter KA, Vates GE, Jahromi BS. Systematic-review of safety and cost-effectiveness analysis: of VTE venous thromboembolism prophylaxis strategies in patients undergoing craniotomy for brain tumor. *Neurosurgery* 2018 Feb 1;82(2):142-154.
26. Schmidt TM, DeAndrea-Lazarus IA, **Kimmell KT**, Vates GE, Haines SJ, Pilcher WH. For the further training of individuals in neurosurgery: a history of the William P. Van Wagenen Fellowship. *J Neurosurg.* 2018 Apr 1:1-5.
27. Rahmani R, Susa S, Sandwell S, **Kimmell KT**, Maurer PK, Silberstein HJ, Nadler JW, Walter KA. Perioperative Risk of the Sitting Position for Elective Posterior Cervical Spine Surgery: A Retrospective Case Series. *Neurosurgery Open: September 2020 - Volume 1 - Issue 3 - okaa009* doi: 10.1093/neuopn/okaa009.
28. Schmidt T, Susa S, Pieters T, Tomlinson S, Rosenow JM, **Kimmell K**, Phelps JT; Council of State Neurosurgical Societies (CSNS). Workplace Violence and Neurosurgery: Insights from a Nationwide Survey. *World Neurosurg.* 2021 Jan;145:e252-e258.
29. Jella TK, Desai A, Jella T, Steinmetz M, **Kimmell K**, Wright J, Wright CH; Council of State Neurosurgical Societies (CSNS). Geospatial Distribution of Neurosurgeons Age 60 and Older Relative to the Spread of COVID-19. *World Neurosurg.* 2021 Jan;145:e259-e266.
30. Berardo L, Gerges C, Wright J, Stout A, Shah H, Papanastassiou A, **Kimmell K**; in affiliation with the Council of State Neurosurgical Societies (CSNS). Assessment of burnout prevention and wellness programs for US-based neurosurgical faculty and residents: a systematic review of the literature. *J Neurosurg.* 2020 Oct 30:1-9.

31. Mohammad LM, Vidalis BM, Fatemi L, Coffman RR, Qeadan F, **Kimmell KT**. Use of Standardized History and Physical Examination for Neurosurgical Patients Improves Clinical Documentation and Reimbursement. *World Neurosurg.* 2021 Apr;148:e667-e673.
32. Lefever D, Kelly PD, Zuckerman SL, Agarwal N, Guthikonda B, **Kimmell KT**, Schirmer C, Rosenow JM, Cozzens J, Orrico KO, Menger R. Advocacy to Government and Stakeholders. *World Neurosurg.* 2021 Jul;151:380-385.
33. Agarwal N, Youngerman B, Kaakaji W, Smith G, McGregor JM, Powers CJ, Guthikonda B, Menger R, Schirmer CM, Rosenow JM, Cozzens J, **Kimmell KT**; Council of State Neurosurgical Societies (CSNS). Optimizing Medical Care Via Practice Guidelines and Quality Improvement Initiatives. *World Neurosurg.* 2021 Jul;151:375-379.
34. Kandregula S, Lefever D, Trosclair K, Savardekar A, Menger R, Agarwal N, **Kimmell K**, Mazzola C, Cozzens J, Rosenow J, Schirmer C, Guthikonda B; Council of State Neurosurgical Societies. "There's got to be a better way": Global Perspectives of Medicolegal Environment and Neurosurgical Socioeconomics. *World Neurosurg.* 2021 Jul;151:341-347.
35. Menger R, Youngerman B, Dossani RH, Godzik J, Tenny S, Cozzens J, Agarwal N, Guthikonda B, **Kimmell KT**, Schirmer C, Rosenow JM, Tumialán LM; Council of State Neurological Societies. Neurosurgery Billing and Reimbursement in 2021. *World Neurosurg.* 2021 Jul;151:348-352.
36. Agarwal N, Casillo SM, Simonds G, Wakefield A, Phelps J, Linskey ME, Bell R, Zalatimo O, Akbari SH, Decker M, Benko MJ, Harraher C, Wang V, Guthikonda B, **Kimmell KT**, Menger R, Rosenow JM, Cozzens J, Schirmer C; Council of State Neurosurgical Societies. Socioeconomic Implications of Professional Relationships within Modern Care Delivery Systems. *World Neurosurg.* 2021 Jul;151:353-363.
37. Pieters TA, Susa S, Agarwal N, Guthikonda B, Menger R, Schirmer C, Cozzens J, Steinmetz M, Rosenow J, **Kimmell KT**; Council of State Neurosurgical Societies. Credentialing, Certification, and Peer Review Essentials for the Neurosurgeon. *World Neurosurg.* 2021 Jul;151:364-369.
38. Pieters TA, Susa S, Agarwal N, Guthikonda B, Menger R, Schirmer C, Cozzens J, Steinmetz M, Rosenow J, **Kimmell KT**; Council of State Neurosurgical Societies. The Medical Legal Environment in Neurosurgery: An Informative Overview of the Stages of Litigation and Distinct Challenges. *World Neurosurg.* 2021 Jul;151:364-369.
39. Lefever D, Esfahani DR, Kandregula S, Trosclair K, Demand A, Vega A, Stacy J, Hussein N, Dossani R, Pendharkar A, Menger R, Kosty J, Mazzola C, Agarwal N, **Kimmell K**, Rosenow J, Cozzens J, Schirmer C, Guthikonda B; Council of State Neurosurgical Societies (CSNS). The Medical Legal Environment in Neurosurgery: An Informative Overview of the Stages of Litigation and Distinct Challenges. *World Neurosurg.* 2021 Jul;151:370-374.
40. Agarwal P, Frid I, Singer J, Zalatimo O, Schirmer CM, **Kimmell KT**, Agarwal N. Neurosurgery perception of Enhanced Recovery After Surgery (ERAS) protocols. *J Clin Neurosci.* 2021 Oct;92:110-114.
41. Lepard JR, Yaeger K, Mazzola C, Stacy J, Shuer L, **Kimmel K**; Counsel of State Neurosurgical Societies. Mechanisms of Peer Review and Their Potential Impact on Neurosurgeons: A Pilot Survey. *World Neurosurg.* 2022 Aug 13:S1878-8750.

Oral Presentations

1. **Kimmell KT**, Vates GE. A risk model for venous thromboembolism in craniotomy patients. Oral presentation at the 2014 annual meeting of the New York State Neurosurgical Society. New York, NY
2. **Kimmell KT**, Vates GE, Jahromi BS. Risk modeling predicts complication rates for spinal surgery. Oral presentation, Council of State Neurosurgical Societies Socioeconomic section. 2014 Annual meeting of the Congress of Neurological Surgeons. Boston, MA.
3. Lee C, **Kimmell KT**, Lalonde A, Salzman P, Miller M, Calvi L, Vates GE. Surgeon volume impacts cost of care in pituitary surgery. Tumor Section oral presentation: 2015 Annual Meeting of the American Association of Neurological Surgeons. Washington, DC
4. **Kimmell KT**, Vates GE. Modeling cost of care in pituitary tumor surgery. Oral presentation at the 2015 annual meeting of the New York State Neurosurgical Society. New York, NY

5. Piper K, DeAndrea-Lazarus I, Algattas H, **Kimmell KT**, Silberstein HJ, Vates GE. Risk factors for venous thromboembolism in patients undergoing spinal surgery. Oral abstract presentation: 2016 Annual Meeting of the American Association of Neurological Surgeons.
6. Sandwell S, **Kimmell KT**, Silberstein HJ, Rodenhouse TG, Maurer PK, Pilcher WH, Walter KA. Safety of the Sitting Cervical Position for Elective Spine Surgery. 2016 Annual meeting of the Congress of Neurological Surgeons. San Diego, CA.
7. Vates E, Lalonde A, Lee C, **Kimmell KT**, Calvi L, Love T, Miller MC. Race and Insurance Status Are Associated With Higher Charges in Patients Having Pituitary Tumor Surgery in New York State. 2016 Annual meeting of the Congress of Neurological Surgeons. San Diego, CA.
8. **Kimmell KT**. Anticoagulation in Neurosurgical Patients: Managing Clinical Uncertainty. 2019 annual meeting of the Congress of Neurological Surgeons. San Francisco, CA.

Other Publications

1. **Kimmell KT**, Petraglia AL. Journal Club: Brain hypoxia is associated with short-term outcome after severe traumatic brain injury independently of intracranial hypertension and low cerebral perfusion pressure. *Neurosurgery*. 2012 Nov; 71(5): 1059-1061.

Editorial comments

1. **Kimmell KT**, Vates GE. Comment on Pradillia et al: Systemic L-citrulline Prevents Cerebral Vasospasm in Haptoglobin 2-2 Transgenic Mice After Subarachnoid Hemorrhage. *Neurosurgery*. 2012 Mar;70(3):747-56; discussion 756-7
2. **Kimmell KT**, Vates GE. Comment on Dumont et al: Trends in Neurosurgical Complication Rates at Teaching vs. Nonteaching Hospitals Following Duty Hour Restrictions. *Neurosurgery*. 2012 Nov; 71(5): 1041-1046; discussion 1046.
3. **Kimmell KT**, Vates GE. Comment on Kim et al: Preconditioning Effect on Cerebral Vasospasm in Patients with Aneurysmal Subarachnoid Hemorrhage. *Neurosurgery*. 2014 Apr; 74(4): 351-359; discussion 358-9.

EDITORIAL

- Ad-hoc reviewer, *World Neurosurgery*
- Ad-hoc reviewer, *Operative Neurosurgery*
- Ad-hoc reviewer, *Neurosurgery*
- Ad-hoc reviewer, *Clinical Anatomy*
- Ad-hoc reviewer, *American Journal of Neuroradiology*
- Member, Editorial Board, *AANS Neurosurgeon*

INTERESTS

Running, golf, reading, history, guitar, cooking