



Harminder Singh, MD, MBA

Clinical Professor, Neurosurgery

CONTACT INFORMATION

- **Administrative Contact**

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Bio

BIO

Dr. Harminder (Harman) Singh is Clinical Professor of Neurosurgery at Stanford University School of Medicine, serves as Chief of Neurosurgery at Santa Clara Valley Medical Center in San Jose, California, and is the Director of Neurotrauma. He is board certified in neurosurgery by the American Board of Neurological Surgery (ABNS) and a fellow of the American College of Surgeons (ACS).

He received advanced training in minimally invasive cranial surgery from Cornell University and completed a complex cerebrovascular and skull base fellowship at the University of Washington.

Dr. Singh is passionate about resident education, having organized numerous cadaveric workshops and didactic symposiums for residents. He is editor of two books on pediatric endoscopic surgery and has published over 100 research papers and book chapters. He is a frequently sought-after speaker and has lectured nationally and internationally.

His clinical and research interests lie in applying the principles of minimally invasive surgery to tumors and vascular lesions of brain and spine. Dr. Singh is interested in developing new endoscopic technology and instrumentation to facilitate minimally invasive surgery of the central nervous system.

Dr. Singh is also interested in shaping public policy related to the delivery of health care in the US, both in the public and private sectors, thru improving efficiency, ensuring quality, and strengthening equitable access to healthcare. He holds an MBA in healthcare management from the University of Arizona Eller College of Management.

Dr. Singh is the Past-President of the American Association of South Asian Neurosurgeons.

<https://www.karlstorz.com/doc/interactivebrochure/3464376/html5/index.html>

<https://www.thieme.com/books-main/neurosurgery/product/5078-pediatric-endoscopic-endonasal-skull-base-surgery>

ACADEMIC APPOINTMENTS

- Clinical Professor, Neurosurgery

ADMINISTRATIVE APPOINTMENTS

- Advising Associate for Neurosurgery, Academic Advising Dean's Office, Stanford University School of Medicine, (2012- present)
- Director, Stanford Neuroanatomy and Simulation Laboratory, (2015-2020)
- Board member, Value Analysis Committee, Santa Clara Valley Medical Center, (2018-2019)
- Chief of Neurosurgery, Santa Clara Valley Medical Center, San Jose, CA, (2018- present)
- Director, Neurotrauma, Santa Clara Valley Medical Center, San Jose, CA, (2018- present)
- Neurosurgery Liaison, Santa Clara Valley Medical Center (SCVMC) Operating Room Committee (ORC), (2018- present)
- Quality Liaison, Pediatric Trauma Program Improvement and Patient Safety Committee, SCVMC, (2018- present)
- Quality Liaison, SCVMC Department of Surgery Quality Assurance Committee (DQAC), (2018- present)
- Quality Liaison, Neurosurgery Professional Practice Evaluation Committee (PPEC), Stanford, (2018- present)
- Quality Liaison, Trauma Program Improvement and Patient Safety Committee (TPIPSC), SCVMC, (2018- present)

HONORS AND AWARDS

- Executive Leadership in Healthcare, Congress of Neurological Surgeons (2025)
- Stanford Medicine Leadership Academy, Stanford (2020-2021)
- Vanguard Leadership in Healthcare, Congress of Neurological Surgeons (2019)
- Castle Connolly Top Doctor Award, Castle Connolly (2018-2020)
- Patients' Choice Award, Vitals.com (2012-2020)
- Compassionate Doctor Recognition, American Registry (2012-2020)
- First Place Trauma and Critical Care E-poster, American Association of Neurological Surgeons (2018)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- PRESIDENT, American Association of South Asian Neurosurgeons (2018 - 2020)
- Editorial Board Member, Neurosurgery and Spine research (NSR) (2016 - present)
- Secretary, American Association of South Asian Neurosurgeons (2014 - 2018)
- Education Committee Member, Congress of Neurological Surgeons (2013 - present)
- Editorial Board, CNS University - Tumor Section (2012 - present)
- Member at Large, American Association of South Asian Neurosurgeons (2012 - 2014)
- Member, WW Keen Neurosurgical Society (2010 - present)
- Member, North American Skull Base Society (2010 - present)
- Member, American Association of Neurological Surgeons (2004 - present)
- Member, Congress of Neurological Surgeons (2004 - present)

PROFESSIONAL EDUCATION

- MBA, University of Arizona, Eller College of Management , Health Administration (2024)
- Certification, Stanford Medicine Leadership Academy (SMLA) , Ethical Influencing and Leadership (2021)
- Certification, Harvard Medical School, Boston , Surgical Leadership (2019)

- Fellowship, University of Washington - Harborview Medical Center , Complex Cerebrovascular and Skull base Surgery - Prof. Lalgam N Sekhar (2016)
- Fellowship, Weill Cornell Medical College, New York Presbyterian Hospital , Minimally Invasive Skull Base Surgery - Prof. Theodore H Schwartz (2015)
- FACS, American College of Surgeons (ACS) - Fellow , Neurosurgery (2015)
- FAANS, American Board of Neurological Surgery , Neurosurgery (2014)
- Residency, Thomas Jefferson University Hospital - Philadelphia , Neurosurgery (2010)
- Internship, Thomas Jefferson University Hospital - Philadelphia , General Surgery (2005)
- MD, Tufts University School of Medicine, Boston , Medicine (2004)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Minimally Invasive Cranial and Spinal Surgery, Endoscopic Keyhole Surgery

CLINICAL TRIALS

- Electrical Stimulation for Continence After Spinal Cord Injury, Recruiting
- Antihypertensive Treatment of Acute Cerebral Hemorrhage-II, Not Recruiting
- DuraSeal Exact Spine Sealant System Post-Approval Study, Not Recruiting

Publications

PUBLICATIONS

- **Exoscope-Assisted Spine Surgery: A Systematic Review From Basic to Complex Pathologies.** *Cureus*
Sanker, V., Dv, V. K., Dawer, P., Dave, T., Banjan, T., Kattaa, A. H., Cavagnaro, M. J., Park, D. J., Chang, S. D., Zygourakis, C. C., Desai, A., Singh, H.
2025; 17 (7): e88450
- **Comparative Analysis Between Cortical Bone Trajectory (CBT) Screw Fixation and Traditional Pedicle Screw Fixation in Lumbar Spine Surgery: A Systematic Review and Meta-Analysis.** *Cureus*
Sanker, V., Badary, A., Asad, A., Buccilli, B., Kattaa, A. H., Park, D. J., Chang, S. D., Desai, A., Singh, H.
2025; 17 (7): e87944
- **Frequency of Diffuse Axonal Injury and Its Outcomes in Severe Traumatic Brain Injury (sTBI): A Systematic Review and Meta-Analysis.** *Journal of neurotrauma*
Sanker, V., Nordin, E. O., Heesen, P., Satish, P., Salman, A., Dondapati, V. V., Levinson, S., Desai, A., Singh, H.
2025
- **Treatment-induced ripple effect: a systematic review exploring the abscopal phenomenon in Glioblastoma multiforme.** *Journal of neuro-oncology*
Bangash, A. H., Poudel, P., Alshuqayfi, K. M., Ahmed, M., Akinduro, O. O., Essayed, W. I., Salehi, A., Ramos, R. D., Yassari, R., Singh, H., Sheehan, J. P., Esquenazi, Y.
2024
- **Neurocysticercosis of the third ventricle: illustrative case.** *Journal of neurosurgery. Case lessons*
Choi, J., Cullen, G., Darbonne, D., Adams, D., Coyle, C., Cooper, J., Singh, H.
2024; 7 (15)
- **The presence of Candida parapsilosis with intrathecal baclofen pump in a person with high cervical spinal cord injury; infection or colonization? A Case Report.** *Spinal cord series and cases*
Chan, J., Singh, H., Shem, K.
2023; 9 (1): 55

- **Serum Methamphetamine Positivity in Trauma Patients Undergoing Surgery has No Negative Effect on Postoperative Morbidity and Mortality.** *Journal of emergencies, trauma, and shock*
Zhou, J., Wu, A., Miao, J., Singh, H.
2023; 16 (3): 102-108
- **Early palliative care consultation offsets hospitalization duration and costs for elderly patients with traumatic brain injuries: Insights from a Level 1 trauma center.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Wu, A., Zhou, J., Quinlan, N., Dirlikov, B., Singh, H.
2022; 108: 1-5
- **Systemic sclerosis-associated compressive cervical calcinosis: intersection of degenerative spine instability, lesional spinal cord compression, and traumatic spinal cord injury. Illustrative case.** *Journal of neurosurgery. Case lessons*
Pham, T. L., Miao, J., Singh, H., Lee, M. B., Cage, T. A.
2022; 4 (15)
- **Impact on neurosurgical management in a Level 1 trauma center post COVID-19 shelter-in-place restrictions.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Zhang, M., Zhou, J., Dirlikov, B., Cage, T., Lee, M., Singh, H.
2022; 101: 131-136
- **Anterior cervical pseudomeningocele causing syncope after spinal surgery: A case report.** *International journal of surgery case reports*
Ehsanian, R., Ali, A., Singh, H., McKenna, S. L., Mian, M. N.
1800; 91: 106789
- **Anatomy and Pathology of the Pterygopalatine Fossa: The Piccadilly Circus of the Head and Neck** *J Med Case Rep Case Series*
Hugdall, S., Ma, M., Caruso, P., Yousef, N., Singh, H., Patel, M.
2022; 3 (1)
- **Impact on neurosurgical management in Level 1 trauma centers during COVID-19 shelter-in-place restrictions: The Santa Clara County experience.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Zhang, M., Zhou, J., Dirlikov, B., Cage, T., Lee, M., Singh, H.
2021; 88: 128-134
- **Fluoroscopic versus CT-guided cortical bone trajectory pedicle screw fixation: Comparing trajectory related complications.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Kumar, K. K., Parikh, B., Jabarkheel, R., Dirlikov, B., Singh, H.
2021
- **Endoscopic Endonasal Resection of Rathke Cleft Cyst with Xanthogranulomatous Change: Two-Dimensional Operative Video** *JOURNAL OF NEUROLOGICAL SURGERY PART B-SKULL BASE*
Zhang, M., Mahavadi, A. K., Deftos, M. L., Ali, A., Singh, H.
2021
- **Large intramedullary bronchogenic cyst of the cervical spine: illustrative case.** *Journal of neurosurgery. Case lessons*
Wu, A., Patel, M., Darbonne, D., Singh, H.
2021; 1 (13): CASE2115
- **Extraforaminal Vertebral Artery Anomalies and their Associated Surgical Implications: an epidemiological and anatomic report on 1000 patients.** *World neurosurgery*
Zhang, M., Dayani, F., Purger, D. A., Cage, T., Lee, M., Patel, M., Singh, H.
2020
- **Supratentorial intraventricular rosette-forming glioneuronal tumors - Case report and review of treatment paradigms.** *Surgical neurology international*
Mahavadi, A. K., Temmins, C., Patel, M. R., Singh, H.
2020; 11: 138
- **Endoscopic Technology and Repair Techniques.** *Handbook of Clinical Neurology: Meningiomas.*
Singh, H., Essayed, W., Schwartz, T.
Elsevier.2020

- **Fundamentals of Spine Surgery** *Benzel's Spine Surgery: Techniques, Complication Avoidance, and Management*
Stefanelli, A., Sabourin, V., Hines, K., Singh, H., Harrop, J.
Elsevier.2020; 5
- **Implantation of Sacral Nerve Stimulator Without Rhizotomy for Neurogenic Bladder in Patient With Spinal Cord Injury: 2-Dimensional Operative Video.** *Operative neurosurgery (Hagerstown, Md.)*
Ehsanian, R. n., Creasey, G. n., Elliott, C. S., Abu-Eid, C. A., Ali, A. n., Prutton, M. n., Singh, H. n.
2020
- **Rathke's cleft cyst with xanthogranulomatous change: A case report and review of the literature.** *Surgical neurology international*
Sprau, A. n., Mahavadi, A. n., Zhang, M. n., Saste, M. n., Deftos, M. n., Singh, H. n.
2020; 11: 246
- **Mortality prediction and long-term outcomes for civilian cerebral gunshot wounds: A decision-tree algorithm based on a single trauma center.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Kim, L. H., Quon, J. L., Cage, T. A., Lee, M. B., Pham, L. n., Singh, H. n.
2020
- **Elevated risk of venous thromboembolism among post-traumatic brain injury patients requiring pharmaceutical immobilization.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Zhang, M. n., Parikh, B. n., Dirlikov, B. n., Cage, T. n., Lee, M. n., Singh, H. n.
2020
- **Pediatric Endoscopic Endonasal Skull Base Surgery**
Schwartz, T. H.
edited by Singh, H., Greenfield, J. P., Anand, V. K.
Thieme.2020
- **Endoscopic technology and repair techniques.** *Handbook of clinical neurology*
Singh, H., Essayed, W. I., Schwartz, T. H.
2020; 170: 217–25
- **Predictors of Cervical Vertebral and Carotid Artery Dissection during Blunt Trauma: Experience in a Level 1 Trauma Center.** *World neurosurgery*
Ho, A. L., Deb, S. n., Kim, L. H., Haldipur, A. n., Lin, S. n., Patel, M. n., Singh, H. n.
2020
- **A Dual Approach for the Management of Complex Craniovertebral Junction Abnormalities: Endoscopic Endonasal Odontoidectomy and Posterior Decompression with Fusion.** *World neurosurgery: X*
Alalade, A. F., Ogando-Rivas, E., Forbes, J., Ottenhausen, M., Uribe-Cardenas, R., Hussain, I., Nair, P., Lehner, K., Singh, H., Kacker, A., Anand, V. K., Hartl, R., Baaj, et al
2019; 2: 100010
- **Minimally invasive lumbar pedicle screw fixation using cortical bone trajectory - Screw accuracy, complications, and learning curve in 100 screw placements** *JOURNAL OF CLINICAL NEUROSCIENCE*
Dayani, F., Chen, Y., Johnson, E., Deb, S., Wu, Y., Lan Pham, Singh, H.
2019; 61: 106-111
- **Patient Positioning and Operating Room Setup** *Pediatric Endoscopic Endonasal Skull Base Surgery*
Dayani, F., Medress, Z., Anand, V. K., Schwartz, T. H., Singh, H.
Thieme.2019; 1
- **Craniopharyngioma** *Pediatric Endoscopic Endonasal Skull Base Surgery*
Singh, H., Essayed, W. I., Schwartz, T. H.
Thieme.2019; 1
- **Meningoencephaloceles** *Pediatric Endoscopic Endonasal Skull Base Surgery*
Zeinalizadeh, M., Sadrhosseini, S. M., da Silva, H. B., Singh, H.
Thieme.2019; 1

- **Closure Techniques for the Pediatric Skull Base: Gasket Seal** *Pediatric Endoscopic Endonasal Skull Base Surgery*
Singh, H., Anand, V. K., Schwartz, T. H.
Thieme.2019; 1
- **Instrumentation** *Pediatric Endoscopic Endonasal Skull Base Surgery*.
Essayed, W. I., Radhouane, K., Schwartz, T. H., Singh, H.
Thieme.2019; 1
- **Endonasal Corridors and Approaches** *Pediatric Endoscopic Endonasal Skull Base Surgery*
Singh, H., Greenfield, J. P., Almodovar, G. J., Anand, V. K., Schwartz, T. H.
Thieme.2019; 1
- **Odontoidectomy for Cranio-Vertebral Junction Compression** *Pediatric Endoscopic Endonasal Skull Base Surgery*
Singh, H., Alalade, A., Greenfield, J. P., Anand, V. K., Schwartz, T. H.
Thieme.2019; 1
- **Ventral Approaches to Intraparenchymal Tumors of the Skull-base and Brainstem** *Pediatric Endoscopic Endonasal Skull Base Surgery*
Singh, H., Ho, A., Kim, L., Essayed, W. I., Schwartz, T. H.
Thieme.2019; 1
- **Lumbar Puncture for the Injection of Intrathecal Fluorescein: Should It Be Avoided in a Subset of Patients Undergoing Endoscopic Endonasal Resection of Sellar and Parasellar Lesions?** *Journal of neurological surgery. Part B, Skull base*
Zhang, M., Azad, T. D., Singh, H., Salam, S., Jain, S., Anand, V. K., Schwartz, T. H.
2018; 79 (6): 554–58
- **Minimally Invasive Lumbar Pedicle Screw Fixation Using Cortical Bone Trajectory: Functional Outcomes.** *Cureus*
Chen, Y., Deb, S., Jabarkheel, R., Pham, L., Patel, M., Singh, H.
2018; 10 (10): e3462
- **Brain Stem Cavernous Malformations: Operative Nuances of a Less-Invasive Resection Technique** *OPERATIVE NEUROSURGERY*
Singh, H., Elarjani, T., da Silva, H., Shetty, R., Kim, L., Sekhar, L. N.
2018; 15 (2): 153–73
- **Factors influencing outcome in patients with colloid cysts who present with acute neurological deterioration** *JOURNAL OF CLINICAL NEUROSCIENCE*
Singh, H., Janjua, M., Ahmed, M., Esquenazi, Y., Dhandapani, S., Mauer, E., Schwartz, T. H., Souweidane, M. S.
2018; 54: 88-95
- **Landmarks to Identify Petrous Apex Through Endonasal Approach Without Transgression of Sinus.** *Journal of neurological surgery. Part B, Skull base*
Negm, H. M., Singh, H., Dhandapani, S., Cohen, S., Anand, V. K., Schwartz, T. H.
2018; 79 (2): 156-160
- **Basilar Artery Ectasia Causing Trigeminal Neuralgia: An Evolved Technique of Transpositional Suture-Pexy.** *Operative neurosurgery (Hagerstown, Md.)*
Singh, H., da Silva, H. B., Zeinalizadeh, M., Elarjani, T., Straus, D., Sekhar, L. N.
2018; 14 (2): 194-199
- **Cervical Stenosis in Adult Arthrogyrosis: A Case Report and Review of the Literature.** *Journal of neurological surgery reports*
Ho, A. L., Mohole, J. n., Sussman, E. S., Pendharkar, A. V., Singh, H. n.
2018; 79 (1): e19–e22
- **Minimally invasive lumbar pedicle screw fixation using cortical bone trajectory - Screw accuracy, complications, and learning curve in 100 screw placements.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Dayani, F. n., Chen, Y. R., Johnson, E. n., Deb, S. n., Wu, Y. n., Pham, L. n., Singh, H. n.
2018
- **Endocrine Silent Pituitary Tumors** *Surgical Neuro-Oncology*
Singh, H., Salam, S., Schwartz, T. H.
Oxford University Press.2018; 1

- **Anterior Skull Base Tumors – Endoscopic Perspective** *Controversies in Neuroendoscopy*
Singh, H., Essayed, W. E., Schwartz, T. H.
Thieme.2018; 1
- **Transbasal and Extended Subfrontal Bilateral Approach** *Operative Cranial Neurosurgical Anatomy*
Singh, H., Zeinalizadeh, M., Da-Silva, H., Sekhar, L.
Thieme.2018; 1
- **Factors influencing outcome in patients with colloid cysts who present with acute neurological deterioration.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Singh, H. n., Burhan Janjua, M. n., Ahmed, M. n., Esquenazi, Y. n., Dhandapani, S. n., Mauer, E. n., Schwartz, T. H., Souweidane, M. S.
2018
- **Side-to-Side A3-A4 Bypass after Clip Ligation of Recurrent Coiled Anterior Communicating Artery Aneurysm: 3-Dimensional Operative Video.** *Operative neurosurgery (Hagerstown, Md.)*
Park, D. H., Singh, H., da Silva, H. B., Sekhar, L. N.
2018; 14 (1): 87
- **Microscopic Resection of Recurrent Giant Adenoma and Clip Ligation of Contralateral Internal Carotid Artery Terminus Aneurysm: 3-Dimensional Operative Video.** *Operative neurosurgery (Hagerstown, Md.)*
Singh, H., da Silva, H. B., Zeinalizadeh, M., Sekhar, L. N.
2017; 13 (6): 758
- **Transpetrosal approach to petro-clival meningioma.** *Neurosurgical focus*
Elarjani, T., Shetty, R., Singh, H., da Silva, H. B., Sekhar, L. N.
2017; 43 (VideoSuppl2): V1
- **Limitations of the endonasal endoscopic approach in treating olfactory groove meningiomas. A systematic review.** *Acta neurochirurgica*
Shetty, S. R., Ruiz-Treviño, A. S., Omay, S. B., Almeida, J. P., Liang, B., Chen, Y. N., Singh, H., Schwartz, T. H.
2017
- **Microsurgical Management of Large, Fusiform, Partially Thrombosed Middle Cerebral Artery (M2) Aneurysm with End-to-End M2 Anastomosis: 3-Dimensional Operative Video.** *Operative neurosurgery (Hagerstown, Md.)*
Singh, H., da Silva, H. B., Straus, D. C., Zeinalizadeh, M., Sekhar, L. N.
2017; 13 (4): 535
- **Endoscopic endonasal odontoid resection with real-time intraoperative image-guided computed tomography: report of 4 cases.** *Journal of neurosurgery*
Singh, H., Rote, S., Jada, A., Bander, E. D., Almodovar-Mercado, G. J., Essayed, W. I., Härtl, R., Anand, V. K., Schwartz, T. H., Greenfield, J. P.
2017; 1-6
- **Endoscopic Endonasal Versus Microscopic Transsphenoidal Surgery for Recurrent and/or Residual Pituitary Adenomas** *WORLD NEUROSURGERY*
Esquenazi, Y., Essayed, W. I., Singh, H., Mauer, E., Ahmed, M., Christos, P. J., Schwartz, T. H.
2017; 101: 186-195
- **Contralateral supraorbital keyhole approach to medial optic nerve lesions: an anatomoclinical study.** *Journal of neurosurgery*
Singh, H., Essayed, W. I., Jada, A., Moussazadeh, N., Dhandapani, S., Rote, S., Schwartz, T. H.
2017; 126 (3): 940-944
- **Endonasal management of pediatric congenital transsphenoidal encephaloceles: nuances of a modified reconstruction technique. Technical note and report of 3 cases** *JOURNAL OF NEUROSURGERY-PEDIATRICS*
Zeinalizadeh, M., Sadrehosseini, S., Habibi, Z., Nejat, F., da Silva, H., Singh, H.
2017; 19 (3): 312-318
- **Contralateral supraorbital keyhole approach to medial optic nerve lesions: an anatomoclinical study** *JOURNAL OF NEUROSURGERY*
Singh, H., Essayed, W. I., Jada, A., Moussazadeh, N., Dhandapani, S., Rote, S., Schwartz, T. H.
2017; 126 (3): 940-944
- **Endonasal management of pediatric congenital transsphenoidal encephaloceles: nuances of a modified reconstruction technique. Technical note and report of 3 cases.** *Journal of neurosurgery. Pediatrics*

- Zeinalizadeh, M., Sadrehosseini, S. M., Habibi, Z., Nejat, F., Silva, H. B., Singh, H.
2017; 19 (3): 312-318
- **Minimally Invasive Robotic Laser Corpus Callosotomy: A Proof of Concept.** *Cureus*
Singh, H., Essayed, W. I., Deb, S., Hoffman, C., Schwartz, T. H.
2017; 9 (2)
 - **Endoscopic endonasal versus microscopic transsphenoidal surgery for recurrent and/or residual pituitary adenomas.** *World neurosurgery*
Esquenazi, Y., Essayed, W. I., Singh, H., Mauer, E., Ahmed, M., Christos, P. J., Schwartz, T. H.
2017
 - **Endonasal endoscopic reoperation for residual or recurrent craniopharyngiomas** *JOURNAL OF NEUROSURGERY*
Dhandapani, S., Singh, H., Negm, H. M., Cohen, S., Souweidane, M. M., Greenfield, J. P., Anand, V. K., Schwartz, T. H.
2017; 126 (2): 418-430
 - **Minimally Invasive Robotic Laser Corpus Callosotomy: A Proof of Concept** *CUREUS JOURNAL OF MEDICAL SCIENCE*
Singh, H., Essayed, W., Deb, S., Hoffman, C., Schwartz, T. H.
2017; 9 (2): e1021
 - **Endoscopic endonasal approach to the ventral brainstem: anatomical feasibility and surgical limitations.** *Journal of neurosurgery*
Essayed, W. I., Singh, H. n., Lapadula, G. n., Almodovar-Mercado, G. J., Anand, V. K., Schwartz, T. H.
2017: 1–8
 - **A Case of Gigantism.** *The Art of Neuroendocrinology: A Case-Based Approach to Medical Decision Making.*
Singh, H., Rote, S., Essayed, W., Schwartz, T.
Nova Science Pub Inc..2017
 - **Brain Stem Cavernous Malformations: Operative Nuances of a Less-Invasive Resection Technique.** *Operative neurosurgery (Hagerstown, Md.)*
Singh, H. n., Elarjani, T. n., da Silva, H. B., Shetty, R. n., Kim, L. n., Sekhar, L. N.
2017
 - **Endoscopic Transsphenoidal Pituitary Surgery: Results and Complications.** *Transphenoidal Surgery- Complication Avoidance and Management Techniques.*
Singh, H., Essayed, W., Hussain, I., Yang, K., Anand, V., Schwartz, T.
Springer.2017
 - **Serum albumin level in spontaneous subarachnoid haemorrhage: More than a mere nutritional marker!** *British journal of neurosurgery*
Kapoor, A. n., Dhandapani, S. n., Gaudihalli, S. n., Dhandapani, M. n., Singh, H. n., Mukherjee, K. K.
2017: 1
 - **Basilar Artery Ectasia Causing Trigeminal Neuralgia: An Evolved Technique of Transpositional Suture-Pexy** *Oper Neurosurg (Hagerstown)*
Singh, H., da Silva, H. B., Zeinalizadeh, M., Elarjani, T., Straus, D., Sekhar, L. N.
2017; opx087: 194–99
 - **Endoscopic endonasal versus transcranial approach to tuberculum sellae and planum sphenoidale meningiomas in a similar cohort of patients.** *Journal of neurosurgery*
Bander, E. D., Singh, H. n., Ogilvie, C. B., Cusic, R. C., Pisapia, D. J., Tsiouris, A. J., Anand, V. K., Schwartz, T. H.
2017: 1–9
 - **Cavernous Sinus Invasion in Pituitary Adenomas: Systematic Review and Pooled Data Meta-Analysis of Radiologic Criteria and Comparison of Endoscopic and Microscopic Surgery** *WORLD NEUROSURGERY*
Dhandapani, S., Singh, H., Negm, H. M., Cohen, S., Anand, V. K., Schwartz, T. H.
2016; 96: 36-46
 - **Resection of pituitary tumors: endoscopic versus microscopic.** *Journal of neuro-oncology*
Singh, H., Essayed, W. I., Cohen-Gadol, A., Zada, G., Schwartz, T. H.
2016; 130 (2): 309-317
 - **Resection of pituitary tumors: endoscopic versus microscopic** *JOURNAL OF NEURO-ONCOLOGY*
Singh, H., Essayed, W. I., Cohen-Gadol, A., Zada, G., Schwartz, T. H.

2016; 130 (2): 309-317

- **Required Reading: The Most Impactful Articles in Endoscopic Endonasal Skull Base Surgery.** *World neurosurgery*
Zhang, M., Singh, H., Almodovar-Mercado, G. J., Anand, V. K., Schwartz, T. H.
2016; 92: 499-512 e2
- **Nonrandom spatial clustering of spontaneous anterior fossa cerebrospinal fluid fistulas and predilection for the posterior cribriform plate.** *Journal of neurosurgery*
Murray, R. D., Friedlander, R., Hanz, S., Singh, H., Anand, V. K., Schwartz, T. H.
2016: 1-5
- **Minimally Invasive Lumbar Pedicle Screw Fixation Using Cortical Bone Trajectory - A Prospective Cohort Study on Postoperative Pain Outcomes** *CUREUS JOURNAL OF MEDICAL SCIENCE*
Chen, Y., Deb, S., Pham, L., Singh, H.
2016; 8 (7): e714
- **Impact of Early Leukocytosis and Elevated High-Sensitivity C-Reactive Protein on Delayed Cerebral Ischemia and Neurologic Outcome After Subarachnoid Hemorrhage.** *World neurosurgery*
Srinivasan, A., Aggarwal, A., Gaudihalli, S., Mohanty, M., Dhandapani, M., Singh, H., Mukherjee, K. K., Dhandapani, S.
2016; 90: 91-95
- **Reoperative endoscopic endonasal surgery for residual or recurrent pituitary adenomas.** *Journal of neurosurgery*
Negm, H. M., Al-Mahfoudh, R. n., Pai, M. n., Singh, H. n., Cohen, S. n., Dhandapani, S. n., Anand, V. K., Schwartz, T. H.
2016: 1–12
- **Pediatric Endonasal Endoscopic Skull Base Surgery: A Case Based Manual.**
Singh, H., Greenfield, J., Anand, V., Schwartz, T.
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