


Juan Carlos Fernandez-Miranda

Professor of Neurosurgery and, by courtesy, of Otolaryngology - Head & Neck Surgery (OHNS)

 NIH Biosketch available Online

 Curriculum Vitae available Online

CLINICAL OFFICE (PRIMARY)

- **Stanford Neuroscience Health Center**

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ACADEMIC CONTACT INFORMATION

- **Admin**

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Bio

BIO

Dr. Juan Fernandez-Miranda is Professor of Neurosurgery and Surgical Director of the Stanford Brain Tumor, Skull Base, and Pituitary Centers. He is internationally renowned for his expertise in minimally invasive brain surgery, endoscopic skull base and pituitary surgery, open skull base surgery, and complex brain tumor surgery. He has performed nearly 3,000 cranial operations including over 1,500 endoscopic endonasal operations for pituitary tumors and other skull base lesions. He is highly regarded for his innovative contributions to the development and refinement of endoscopic endonasal skull base surgery, for his ability to select the most effective and less invasive approach to each individual patient, and for his precise knowledge of the intricate anatomy of the white matter tracts required to maximize resection and minimize morbidity on high and low grade glioma patients. He has been recently ranked by Expertscape as World-Expert (top 0.05%) on Skull Base Surgery and #1 Neurosurgeon Expert on Skull Base Tumors (pituitary adenomas, meningiomas, craniopharyngiomas, chordomas, chondrosarcomas, schwannomas and esthesioneuroblastomas) on the US Pacific Region. He is co-founder and vice-president of the International Rhoton Society and executive member of the Board of Directors of the The Neurosurgical Atlas, the largest nonprofit organization for neurosurgical education and research in the world.

Dr. Fernandez-Miranda completed neurosurgery residency at La Paz University Hospital in Madrid, Spain. Upon completion of his residency, he was awarded the Sanitas Prize to the best medical postgraduate trainee in the country. From 2005 to 2007, he underwent fellowship training in microsurgical neuroanatomy at the University of Florida under legendary neurosurgeon Albert L. Rhoton, Jr. From 2007 to 2010 he continued subspecialty clinical training in cerebrovascular surgery at the University of Virginia, and endoscopic endonasal and open skull base surgery at University of Pittsburgh Medical Center (UPMC). During his 10-year tenure at UPMC, he pioneered endoscopic endonasal approaches to highly complex pituitary and skull base tumors, developed a world-class complex brain surgery program, and led a premier training and research program on surgical neuroanatomy and skull base surgery.

In 2018, he was recruited to bring to Stanford his unique technical expertise and to collaborate with world-renowned Stanford colleagues across multiple disciplines, leading the establishment of one of the most preeminent centers worldwide for comprehensive treatment of complex lesions in the brain, skull base, and pituitary regions. His top priority is to provide gentle, accurate, and safe surgery, in a team-based and compassionate approach to patient care.

CLINICAL FOCUS

- Neurosurgery
- Pituitary tumor
- Craniopharyngioma
- Meningioma
- Chordoma
- Chondrosarcoma
- Cushing's disease
- Acromegaly
- Prolactin-secreting adenoma
- Rathke's cleft cyst
- Low grade glioma
- High grade glioma
- Juvenile pilocytic astrocytoma
- Ependymoma
- Vestibular Schwannoma
- Acoustic Neuroma
- Trigeminal Schwannoma
- Esthesioneuroblastoma
- Sinonasal carcinoma
- Nasopharyngeal carcinoma
- Cholesterol granuloma
- Epidermoid cyst
- Dermoid cyst
- skull base lesion
- brain lesion
- brain tumor
- brain metastasis
- orbital tumors
- cavernous hemangioma
- Cavernous sinus lesions
- Clival lesion
- Trigeminal neuralgia
- Hemifacial spasm
- Glossopharyngeal neuralgia
- fibrous dysplasia
- Basilar Invagination
- Platibasia
- Chiari Malformation

- Brainstem lesion
- Cavernoma
- Limbic glioma
- Insular glioma
- Glomus jugulare tumor
- Pineal Tumor
- Cerebellar tumor
- L'Hermitte-Duclos disease

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Neurosurgery
- Professor - University Medical Line (By courtesy), Otolaryngology (Head and Neck Surgery)
- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Surgical Director, Stanford Brain Tumor Center, (2018- present)
- Co-Director, Stanford Skull Base Surgery Program, (2018- present)
- Surgical Director, Stanford Pituitary Center, (2018- present)
- Director, Surgical Neuroanatomy, Fiber Tractography, and Virtual Simulation Research Center, (2018- present)

HONORS AND AWARDS

- Honorary Visiting Professor, Tianjin Huanhu Hospital (Tianjin, China) (2018)
- Annual Faculty Teaching Award, University of Pittsburgh School of Medicine (2017)
- National Investigation Award, Barclays Foundation (2009)
- Aesculap European Research Award, EANS (European Association of Neurological Surgeons) (2008)
- Pedro Mata Award – Best Neurosurgical Research, Neurosurgical Society of Madrid (2006)
- Sanitas Award – Best Medical Post-graduate Trainee in Spain, Sanitas Foundation (2006)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Board of Directors, The Neurosurgical Atlas (2020 - present)
- Co-Founder and Vice-president, International Rhoton Society (2018 - present)
- President, 1st Rhoton Society Meeting, Tianjin, China (2018 - present)
- Fellow, American College of Surgeons (2017 - present)
- Member, Acoustic Neuroma Association (2017 - present)
- Patient Engagement Committee, Pituitary Society (2017 - present)
- Editorial Board, Journal of Neurological Surgery: Skull Base (2016 - present)
- Editorial Board, Operative Neurosurgery (2015 - present)
- Member, Pituitary Society (2015 - present)
- Neuroanatomy Committee, WFNS (World Federation of Neurological Surgeons) (2015 - 2017)
- MRRC (Magnetic Resonance Research Center) committee, University of Pittsburgh (2014 - 2018)
- Editorial Board, Neurocirugia (Spanish Society of Neurosurgery) (2013 - present)
- International Outreach Committee, AANS (American Association of Neurological Surgeons) (2013 - 2015)

- NASBS Awards Committee, NASBS (North American Skull Base Society) (2013 - 2015)
- NASBS Education and Training Committee, NASBS (2013 - 2015)
- Active member, CNS (Congress of Neurological Surgeons) (2012 - present)
- Chair Management Meetings, University of Pittsburgh (2012 - 2018)
- Invited affiliate, German Skull Base Society (2010 - present)
- Member, The Cajal Club (2010 - present)
- Active member, EANS (European Association of Neurosurgical Societies) (2008 - present)
- Affiliate member, AANS (American Association of Neurological Surgeons) (2006 - present)
- Active member, SENEC (Spanish Society of Neurological Surgeons) (2004 - present)

PROFESSIONAL EDUCATION

- Board Certification: Neurosurgery, The Secretary of State of Universities and Research of Spain (2007)
- Fellowship: University of Pittsburgh Medical Center (2010) PA
- Fellowship: University of Virginia Medical Center (2008) VA
- Fellowship, University of Florida, McKnight Brain Institute , FL (2007)
- Residency: Hospital Universitario La Paz (2006) Spain
- Medical Education: Universidad Complutense Madrid (2000) Spain

COMMUNITY AND INTERNATIONAL WORK

- Advanced Endoscopic Skull Base Surgery Course, Shanghai
- National Skull Base Endoscope Conference, Xi'an, China
- Neurosurgery Scientific Meeting, Bangkok, Thailand
- Neuropinamar, Pinamar, Argentina
- Surgical Neuroanatomy and Techniques, Brasilia
- Endoscopy Endonasal skull base surgery course, La Paz University Hospital, Madrid, Spain
- NASBS Skull Base Summer Course, New Orleans
- 3-D Surgical Anatomy Course for Senior Residents, Houston
- Skull Base Training Course, Memphis (TN)

LINKS

- Medical Record Review: <https://stanfordhealthcare.org/second-opinion/medical-record-review.html>
- Research Center: http://med.stanford.edu/neurosurgery/research/SNFTVR_Lab.html
- Fiber Tractography: http://med.stanford.edu/neurosurgery/research/SNFTVR_Lab/tractographylab.html
- My Surgical Videos: <https://www.youtube.com/watch?v=kJa1XaI9uwA&list=PLSVqZwIzyqvt9oFHLslhYCCqi8SQGnkiy>
- My YouTube Channel: <https://www.youtube.com/user/fernandezmirandajc>
- Twitter: https://twitter.com/drjfm_stanford

Research & Scholarship

CLINICAL TRIALS

- Vincristine, Dactinomycin, and Doxorubicin With or Without Radiation Therapy or Observation Only in Treating Younger Patients Who Are Undergoing Surgery for Newly Diagnosed Stage I, Stage II, or Stage III Wilms' Tumor, Not Recruiting

Teaching

COURSES

2024-25

- Operative Neuroanatomy Using Virtual Reality and Cadaver Lab: NSUR 210 (Spr)

2023-24

- Operative Neuroanatomy Using Virtual Reality and Cadaver Lab: NSUR 210 (Spr)

2022-23

- Operative Neuroanatomy Using Virtual Reality and Cadaver Lab: NSUR 210 (Spr)

2021-22

- Operative Neuroanatomy Using Virtual Reality and Cadaver Lab: NSUR 210 (Spr)

Publications

PUBLICATIONS

- **Lateral compartment of the cavernous sinus from the endoscopic endonasal approach: anatomical considerations and surgical relevance to adenoma surgery.** *Journal of neurosurgery*
Xu, Y., Asmaro, K., Lee, C. K., Vigo, V., Mohyeldin, A., Nunez, M. A., Cohen-Gadol, A. A., Fernandez-Miranda, J. C.
2024; 1-13
- **Resection of corticotroph microadenomas invading the medial wall of the cavernous sinus in two cases of a primary and recurrent case of Cushing's disease.** *Neurosurgical focus: Video*
Mohyeldin, A., Nunez, M. A., Xu, Y., Fernandez-Miranda, J. C.
2023; 9 (1): V2
- **Supramarginal resection of skull base chordomas: proof of concept and preliminary outcomes** *NEUROSURGICAL FOCUS*
Rychen, J., Constanzo, F., Xu, Y., Johnstone, T. M., Bex, A., Rinaldi, M., Lee, C. K., Fernandez-Miranda, J. C.
2023; 56 (5): E3
- **Cytodifferentiation of pituitary tumors influences pathogenesis and cavernous sinus invasion.** *Journal of neurosurgery*
Asmaro, K., Zhang, M., Rodrigues, A. J., Mohyeldin, A., Vigo, V., Nernekli, K., Vogel, H., Born, D. E., Katznelson, L., Fernandez-Miranda, J. C.
2023; 1-9
- **The Pterygosphenoidal Triangle: Surgical Anatomy and Case Series in Endoscopic Endonasal Skull Base Surgery.** *Operative neurosurgery (Hagerstown, Md.)*
Xu, Y., Asmaro, K., Mohyeldin, A., Zhang, M., Nunez, M. A., Mao, Y., Cohen-Gadol, A. A., Fernandez-Miranda, J. C.
2023
- **Prospective intraoperative and histologic evaluation of cavernous sinus medial wall invasion by pituitary adenomas and its implications for acromegaly remission outcomes.** *Scientific reports*
Mohyeldin, A., Katznelson, L. J., Hoffman, A. R., Asmaro, K., Ahmadian, S. S., Eltobgy, M. M., Nayak, J. V., Patel, Z. M., Hwang, P. H., Fernandez-Miranda, J. C.
2022; 12 (1): 9919
- **Microsurgical anatomy of the dorsal clinoidal space: implications for endoscopic endonasal parasellar surgery.** *Journal of neurosurgery*
Xu, Y., Nunez, M. A., Mohyeldin, A., Vigo, V., Mao, Y., Cohen-Gadol, A. A., Fernandez-Miranda, J. C.
2022; 1-13
- **Microsurgical anatomy and the importance of the petrosal process of the sphenoid bone in endonasal surgery** *JOURNAL OF NEUROSURGERY*
Doniz-Gonzalez, A., Vigo, V., Nunez, M., Xu, Y., Mohyeldin, A., Cohen-Gadol, A. A., Fernandez-Miranda, J. C.
2021; 137 (5): 1431-1442
- **Proximal Branches of the Anterior Cerebral Artery: Anatomic Study and Applications to Endoscopic Endonasal Surgery.** *Operative neurosurgery (Hagerstown, Md.)*

- Najera, E., Truong, H. Q., Belo, J. T., Borghei-Razavi, H., Gardner, P. A., Fernandez-Miranda, J.
2019
- **Proposal and Validation of a Simple Grading Scale (TRANSSPHER Grade) for Predicting Gross Total Resection of Nonfunctioning Pituitary Macroadenomas After Transsphenoidal Surgery.** *Operative neurosurgery (Hagerstown, Md.)*
Mooney, M. A., Sarris, C. E., Zhou, J. J., Barkhoudarian, G., Chicoine, M. R., Fernandez-Miranda, J. C., Gardner, P. A., Hardesty, D. A., Jahnke, H., Kelly, D. F., Liebelt, B. D., Mayberg, M. R., Prevedello, et al
2019
 - **Left Pan-Hippocampal Low Grade Glioma-2-Stage Transsylvian Transventricular and Paramedian Supracerebellar Transtentorial Approaches: 2-Dimensional Operative Video.** *Operative neurosurgery (Hagerstown, Md.)*
Fernandez-Miranda, J. C.
2018
 - **Paramedian Supracerebellar Approach in Semi-Sitting Position for Endoscopic Resection of Pineal Cyst: 2-Dimensional Operative Video.** *Operative neurosurgery (Hagerstown, Md.)*
Fernandez-Miranda, J. C.
2018
 - **The medial wall of the cavernous sinus. Part 1: Surgical anatomy, ligaments, and surgical technique for its mobilization and/or resection.** *Journal of neurosurgery*
Truong, H. Q., Lieber, S., Najera, E., Alves-Belo, J. T., Gardner, P. A., Fernandez-Miranda, J. C.
2018: 1–9
 - **Supratotal Resection of Residual Clival Chordoma With Combined Endoscopic Endonasal and Contralateral Transmaxillary Approaches: 2-Dimensional Operative Video.** *Operative neurosurgery (Hagerstown, Md.)*
Lavigne, P., Wang, E. W., Fernandez-Miranda, J. C.
2018
 - **Bilateral coagulation of inferior hypophyseal artery and pituitary transposition during endoscopic endonasal interdural posterior clinoidectomy: do they affect pituitary function?** *Journal of neurosurgery*
Truong, H. Q., Borghei-Razavi, H., Najera, E., Igami Nakassa, A. C., Wang, E. W., Snyderman, C. H., Gardner, P. A., Fernandez-Miranda, J. C.
2018: 1–6
 - **Cavernous sinus compartments from the endoscopic endonasal approach: anatomical considerations and surgical relevance to adenoma surgery** *JOURNAL OF NEUROSURGERY*
Fernandez-Miranda, J. C., Zwagerman, N. T., Abhinav, K., Lieber, S., Wang, E. W., Snyderman, C. H., Gardner, P. A.
2018; 129 (2): 430-441
 - **Contralateral transmaxillary corridor: an augmented endoscopic approach to the petrous apex** *JOURNAL OF NEUROSURGERY*
Patel, C. R., Wang, E. W., Fernandez-Miranda, J. C., Gardner, P. A., Snyderman, C. H.
2018; 129 (1): 211–19
 - **Cavernous sinus compartments from the endoscopic endonasal approach: anatomical considerations and surgical relevance to adenoma surgery.** *Journal of neurosurgery*
Fernandez-Miranda, J. C., Zwagerman, N. T., Abhinav, K., Lieber, S., Wang, E. W., Snyderman, C. H., Gardner, P. A.
2017: 1–12
 - **Extended Middle Fossa Approach With Anterior Petrosectomy and Anterior Clinoidectomy for Resection of Spheno-Cavernous-Tentorial Meningioma: The Hakuba-Kawase-Dolenc Approach: 3-Dimensional Operative Video** *OPERATIVE NEUROSURGERY*
Fernandez-Miranda, J. C.
2017; 13 (2): 281
 - **Prof. Albert L. Rhoton, Jr.: His Life and Legacy** *WORLD NEUROSURGERY*
Fernandez-Miranda, J. C.
2016; 92: 590–96
 - **Endoscopic Endonasal Transclival Transcondylar Approach for Foramen Magnum Meningiomas: Surgical Anatomy and Technical Note** *OPERATIVE NEUROSURGERY*
Wang, W., Abhinav, K., Wang, E., Snyderman, C., Gardner, P. A., Fernandez-Miranda, J. C.
2016; 12 (2): 153–61

- **Subcomponents and connectivity of the superior longitudinal fasciculus in the human brain** *BRAIN STRUCTURE & FUNCTION*
Wang, X., Pathak, S., Stefaneanu, L., Yeh, F., Li, S., Fernandez-Miranda, J. C.
2016; 221 (4): 2075–92
- **Anterior Transpetrosal Approach for Resection of Recurrent Skull Base Chordoma: 3-Dimensional Operative Video** *OPERATIVE NEUROSURGERY*
Chabot, J. D., Gardner, P., Fernandez-Miranda, J. C.
2015; 11 (3): 464
- **Endoscopic Endonasal Approach to the Optic Canal: Anatomic Considerations and Surgical Relevance** *OPERATIVE NEUROSURGERY*
Abhinav, K., Acosta, Y., Wang, W., Bonilla, L. R., Koutourousiou, M., Wang, E., Snyderman, C., Gardner, P., Fernandez-Miranda, J. C.
2015; 11 (3): 431–45
- **High-definition fiber tractography for the evaluation of perilesional white matter tracts in high-grade glioma surgery** *NEURO-ONCOLOGY*
Abhinav, K., Yeh, F., Mansouri, A., Zadeh, G., Fernandez-Miranda, J. C.
2015; 17 (9): 1199–1209
- **Asymmetry, connectivity, and segmentation of the arcuate fascicle in the human brain** *BRAIN STRUCTURE & FUNCTION*
Fernandez-Miranda, J. C., Wang, Y., Pathak, S., Stefaneanu, L., Verstynen, T., Yeh, F.
2015; 220 (3): 1665–80
- **Endoscopic endonasal transcavernous posterior clinoidectomy with interdural pituitary transposition** *JOURNAL OF NEUROSURGERY*
Fernandez-Miranda, J. C., Gardner, P. A., Rastelli, M. M., Peris-Celda, M., Koutourousiou, M., Peace, D., Snyderman, C. H., Rhoton, A. L.
2014; 121 (1): 91–99
- **Clival chordomas: A pathological, surgical, and radiotherapeutic review** *HEAD AND NECK-JOURNAL FOR THE SCIENCES AND SPECIALTIES OF THE HEAD AND NECK*
Fernandez-Miranda, J. C., Gardner, P. A., Snyderman, C. H., Devaney, K. O., Mendenhall, W. M., Suarez, C., Rinaldo, A., Ferlito, A.
2014; 36 (6): 892–906
- **Endoscopic endonasal surgery for suprasellar meningiomas: experience with 75 patients** *Clinical article JOURNAL OF NEUROSURGERY*
Koutourousiou, M., Fernandez-Miranda, J. C., Stefko, S., Wang, E. W., Snyderman, C. H., Gardner, P. A.
2014; 120 (6): 1326–39
- **Endoscopic endonasal approach for growth hormone secreting pituitary adenomas: outcomes in 53 patients using 2010 consensus criteria for remission** *PITUITARY*
Shin, S. S., Tormenti, M. J., Paluzzi, A., Rothfus, W. E., Chang, Y., Zainah, H., Fernandez-Miranda, J. C., Snyderman, C. H., Challinor, S. M., Gardner, P. A.
2013; 16 (4): 435–44
- **Deterministic Diffusion Fiber Tracking Improved by Quantitative Anisotropy** *PLOS ONE*
Yeh, F., Verstynen, T. D., Wang, Y., Fernandez-Miranda, J. C., Tseng, W.
2013; 8 (11): e80713
- **Endoscopic endonasal surgery for craniopharyngiomas: surgical outcome in 64 patients** *Clinical article JOURNAL OF NEUROSURGERY*
Koutourousiou, M., Gardner, P. A., Fernandez-Miranda, J. C., Tyler-Kabara, E. C., Wang, E. W., Snyderman, C. H.
2013; 119 (5): 1194–1207
- **Rethinking the Role of the Middle Longitudinal Fascicle in Language and Auditory Pathways** *CEREBRAL CORTEX*
Wang, Y., Fernandez-Miranda, J. C., Verstynen, T., Pathak, S., Schneider, W., Yeh, F.
2013; 23 (10): 2347–56
- **Endoscopic endonasal surgery for skull base chordomas: experience with 84 patients**
Koutourousiou, M., Gardner, P. A., Fernandez-Miranda, J. C., Henry, S. L., Wang, E. W., Snyderman, C. H.
ELSEVIER SCIENCE INC.2013: S68
- **Endoscopic endonasal surgery for giant pituitary adenomas: advantages and limitations** *Clinical article JOURNAL OF NEUROSURGERY*
Koutourousiou, M., Gardner, P. A., Fernandez-Miranda, J. C., Paluzzi, A., Wang, E. W., Snyderman, C. H.
2013; 118 (3): 621–31
- **Endoscopic endonasal middle clinoidectomy: anatomic, radiological, and technical note.** *Neurosurgery*
Fernandez-Miranda, J. C., Tormenti, M., Latorre, F., Gardner, P., Snyderman, C.

2012; 71 (2 Suppl Operative): ons233–ons239

- **Endoscopic Endonasal Transclival Approach to the Jugular Tubercle** *NEUROSURGERY*
Fernandez-Miranda, J. C., Morera, V. A., Snyderman, C. H., Gardner, P.
2012; 71: 146–58
- **High-Definition Fiber Tractography of the Human Brain: Neuroanatomical Validation and Neurosurgical Applications** *NEUROSURGERY*
Fernandez-Miranda, J. C., Pathak, S., Engh, J., Jarbo, K., Verstynen, T., Yeh, F., Wang, Y., Mintz, A., Boada, F., Schneider, W., Friedlander, R.
2012; 71 (2): 430–53
- **Craniopharyngioma: A pathologic, clinical, and surgical review** *HEAD AND NECK-JOURNAL FOR THE SCIENCES AND SPECIALTIES OF THE HEAD AND NECK*
Fernandez-Miranda, J. C., Gardner, P. A., Snyderman, C. H., Devaney, K. O., Strojan, P., Suarez, C., Genden, E. M., Rinaldo, A., Ferlito, A.
2012; 34 (7): 1036–44
- **Endoscopic endonasal approach to cholesterol granulomas of the petrous apex: a series of 17 patients** *Clinical article JOURNAL OF NEUROSURGERY*
Paluzzi, A., Gardner, P., Fernandez-Miranda, J. C., Pinheiro-Neto, C. D., Scopel, T., Koutourousiou, M., Snyderman, C. H.
2012; 116 (4): 792–98
- **Microvascular Anatomy of the Medial Temporal Region: Part 1: Its Application to Arteriovenous Malformation Surgery** *NEUROSURGERY*
Fernandez-Miranda, J. C., de Oliveira, E., Rubino, P. A., Wen, H., Rhoton, A. L.
2010; 67 (3): 237–76
- **"Far-Medial" Expanded Endonasal Approach to the Inferior Third of the Clivus: The Transcondylar and Transjugular Tubercle Approaches** *NEUROSURGERY*
Morera, V. A., Fernandez-Miranda, J. C., Prevedello, D. M., Madhok, R., Barges-Coll, J., Gardner, P., Carrau, R., Snyderman, C. H., Rhoton, A. L., Kassam, A. B.
2010; 66 (6): ONS211–ONS219
- **Three-dimensional microsurgical and tractographic anatomy of the white matter of the human brain** *NEUROSURGERY*
Fernandez-Miranda, J. C., Rhoton, A. L., Alvarez-Linera, J., Kakizawa, Y., Choi, C., de Oliveira, E. P.
2008; 62 (6): 989–1026
- **Multicenter Registry of Adenomas of the Pituitary and Related Disorders: Initial Description of Cushing Disease Cohort, Surgical Outcomes, and Surgeon Characteristics.** *Neurosurgery*
Little, A. S., Karsy, M., Evans, J. J., Kim, W., Pacione, D. R., Kim, A. H., Gardner, P. A., Hendricks, B. K., Sarris, C. E., Torok, I. E., Low, T. M., Crocker, T. A., Valappil, et al
2024; 95 (2): 372-379
- **A phenomenon not to be missed: delayed postoperative cerebrospinal fluid rhinorrhea following no identifiable intraoperative leak in sellar surgery.** *Rhinology*
Kshirsagar, R. S., Eide, J. G., Abiri, A., Asmaro, K. P., Filip, P., Pangal, D., Ruzevick, J., Adappa, N. D., Batra, P. S., Bergsneider, M. S., Craig, J. R., Fernandez-Miranda, J. C., Gardner, et al
2024
- **Impact of Frailty on Surgical Outcomes of Patients With Cushing Disease Using the Multicenter Registry of Adenomas of the Pituitary and Related Disorders Registry.** *Neurosurgery*
Findlay, M. C., Rennert, R. C., Lucke-Wold, B., Couldwell, W. T., Evans, J. J., Collopy, S., Kim, W., Delery, W., Pacione, D. R., Kim, A. H., Silverstein, J. M., Kanga, M., Chicoine, et al
2024
- **Management of recurrent cerebrospinal fluid rhinorrhea caused by sequential, anatomically separated skull base defects - A case-based systematic review.** *World neurosurgery*
Hallenberger, T. J., Rychen, J., Soleman, J., Fernandez-Miranda, J. C., Brand, Y., Mariani, L., Roethlisberger, M.
2024
- **Predictors of Durable Remission After Successful Surgery for Cushing Disease: Results From the Multicenter RAPID Registry.** *Neurosurgery*
Findlay, M. C., Tenhoeve, S., Alt, J., Rennert, R. C., Couldwell, W. T., Evans, J., Collopy, S., Kim, W., Delery, W., Pacione, D., Kim, A., Silverstein, J. M., Chicoine, et al
2024
- **Endoscopic Endonasal Resection of a Thyroid-Stimulating Hormone-Secreting Pituitary Adenoma With Invasion of the Medial Wall of the Cavernous Sinus.** *Operative neurosurgery (Hagerstown, Md.)*

- Ljubimov, V. A., Rychen, J., Lee, C. K., Cobos Sillero, M. I., Xu, Y., Fernandez-Miranda, J. C.
2024
- **The Utility of a "Second-Look" Debridement Following Endonasal Skull Base Surgery in the Pediatric Population.** *Journal of neurological surgery. Part B, Skull base*
Chang, M. T., Huang, A. E., Quon, J. L., Fernandez-Miranda, J. C., Wen, C. Z., Eide, J. G., Kshirsagar, R. S., Qian, Z. J., Nayak, J. V., Hwang, P. H., Adappa, N. D., Patel, Z. M.
2024; 85 (3): 313-317
 - **Purely endoscopic subtemporal keyhole anterior transpetrosal approach to access the petrous apex region: surgical techniques and early results.** *Journal of neurosurgery*
Morisako, H., Sasaki, T., Ikegami, M., Tanoue, Y., Ohata, H., Goudihalli, S. R., Fernandez-Miranda, J. C., Ohata, K., Goto, T.
2024: 1-10
 - **Recurrence morbidity of olfactory neuroblastoma.** *International forum of allergy & rhinology*
Melder, K., Mace, J. C., Choby, G., Almeida, J. P., Champagne, P., Chan, E., Ciporen, J., Chaskes, M. B., Fernandez-Miranda, J., Fung, N. K., Gardner, P., Hwang, P., Ji, et al
2024
 - **Multicenter Registry of Adenomas of the Pituitary and Related Disorders: Initial Description of Cushing Disease Cohort, Surgical Outcomes, and Surgeon Characteristics.** *Neurosurgery*
Little, A. S., Karsy, M., Evans, J. J., Kim, W., Pacione, D. R., Kim, A. H., Gardner, P. A., Hendricks, B. K., Sarris, C. E., Torok, I. E., Low, T. M., Crocker, T. A., Valappil, et al
2024
 - **Patient and caregiver perspectives of fluid discharge protocols following pituitary surgery.** *Journal of clinical & translational endocrinology*
Chang, J. J., Amano, A., Brown-Johnson, C., Chu, O., Gates-Bazarbay, V., Wipff, E., Kling, S. M., Alhadha, M., Carlos Fernandez-Miranda, J., Vilendrer, S.
2024; 35: 100336
 - **Complications of Endonasal Odontoidectomy in Pediatric versus Adult Populations: A Systematic Review and Meta-Analysis** *JOURNAL OF NEUROLOGICAL SURGERY PART B-SKULL BASE*
Kosaraju, N., Lee, C. K., Qian, Z., Fernandez-Miranda, J. C., Nayak, J. V., Chang, M. T.
2024
 - **Educational stereoscopic representation of a step-by-step brain white fiber dissection according to Klingler's method.** *Surgical and radiologic anatomy : SRA*
Jacquesson, T., Djarouf, I., Simon, É., Haegelen, C., Mertens, P., Picart, T., Fernandez-Miranda, J.
2024
 - **Probabilistic coverage of the frontal aslant tract in young adults: Insights into individual variability, lateralization, and language functions.** *Human brain mapping*
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