Stanford

Helbert de Oliveira Manduca Palmiero

Clinical Instructor, Neurosurgery

CLINICAL OFFICE (PRIMARY)

- **Stanford Neuroscience Health Center**

  213 Quarry Rd

  4th Fl MC 5958

  Palo Alto, CA 94304

  Tel (650) 723-5573 **Fax** (650) 725-5032

Bio

BIO

Board-Certified Neurosurgeon (Brazilian Society of Neurosurgery, IFAANS, FCNS, FACS) with advanced training in Microsurgery and Complex Spine Surgery. Over the past decade, I have developed a comprehensive portfolio that includes general neurosurgical practice in both Brain & Spine and academic contributions to neurosurgical techniques and anatomical research. I believe in continuous improvement, and my work is driven by a commitment to excellence in neurosurgery, innovation in surgical education, and clinical practice focused on patient outcomes.

CLINICAL FOCUS

- Neurosurgery

ACADEMIC APPOINTMENTS

- Clinical Instructor, Neurosurgery

PROFESSIONAL EDUCATION

- Post Doctoral, University of Sao Paulo , Neuroanatomy/Neurosurgical Techniques (2026)
- Postgraduation, Harvard Medical School , T2TMed Training to Teach in Medicine (2025)
- Fellowship: University of Arizona GME Office (2024) AZ
- Post Doctoral, University of Sao Paulo , Neurosurgical Techniques (2023)
- PhD, University of Sao Paulo , Neuroanatomy/Neurosurgical Techniques (2020)
- Fellowship: Universidade Federal de Sao Paulo (2018) Brazil
- Board Certification: Neurosurgery, Brazilian Society of Neurosurgery (2017)
- Residency: University of Sao Paulo (2017) Brazil
- Medical Education: University of Campinas School of Medical Sciences (2010) Brazil

Publications

PUBLICATIONS

- **Depression Following Aneurysmal Subarachnoid Hemorrhage: Associations with Hemorrhage Severity and Functional Outcome** *BRAZILIAN NEUROSURGERY-ARQUIVOS BRASILEIROS DE NEUROCIRURGIA*
  Palmiero, H., Rosi Junior, J., da Silva, S., Carlotti Junior, C., Figueiredo, E.
  2026

- **Testosterone replacement therapy and aneurysm biology: current evidence and clinical implications.** *Indian journal of thoracic and cardiovascular surgery*
  de Oliveira Manduca Palmiero, H., Gadelha Figueiredo, E.
  2026; 42 (11): 1216-1224

- **Routine versus clinically indicated cerebrospinal fluid sampling for infection in external ventricular drains: a systematic review.** *Neurological sciences : official journal of the Italian Neurological Society and of the Italian Society of Clinical Neurophysiology*
  de Oliveira Manduca Palmiero, H., Gadelha Figueiredo, E.
  2026; 47 (10)

- **Study on Effects of Bipolar Coagulation on the Swine Spinal Cord: A Histological, Thermal, and Electrical Current Analysis.** *Operative neurosurgery (Hagerstown, Md.)*
  Ferrareto Iglesio, R., de Oliveira Manduca Palmiero, H., Belon, A. R., Lima, M. L., Paes, V. R., Calvo, A. M., Silva, S. A., Otoch, J. P., Teixeira, M. J., Figueiredo, E. G., Andrade, A. F.
  2026

- **Prevalence and clinical characterization of headache in patients with cranial bone defects: a single-center retrospective study.** *Acta neurologica Belgica*
  de Oliveira Manduca Palmiero, H., Rosi, J., da Silva, S. A., Carlotti, C. G., Figueiredo, E. G.
  2026

- **ICP amplitude: physiological context, limitations, and integration with waveform analysis** *JOURNAL OF NEUROSURGERY*
  Palmiero, H., Figueiredo, E.
  2026; 145 (3): 861-863

- **Management strategies for vestibular schwannomas in patients with NF2-related schwannomatosis: a systematic review.** *European archives of oto-rhino-laryngology : official journal of the European Federation of Oto-Rhino-Laryngological Societies (EUFOS) : affiliated with the German Society for Oto-Rhino-Laryngology - Head and Neck Surgery*
  de Oliveira Manduca Palmiero, H., Gadelha Figueiredo, E.
  2026

- **Testosterone replacement therapy and aneurysm biology: current evidence and clinical implications** *INDIAN JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
  de Oliveira Manduca Palmiero, H., Gadelha Figueiredo, E.
  2026

- **Late Recurrence After Angiographic Cure of Pediatric Arteriovenous Malformations Treated by Transvenous Embolization.** *Operative neurosurgery (Hagerstown, Md.)*
  de Albuquerque Cavalcanti Mendes, G., da Costa, M. S., Afonso, H. A., de Oliveira Manduca Palmiero, H., Gadelha Figueiredo, E., Mounayer, C.
  2026

- **Letter: Demarcation Line of Tissue Compaction in Traumatic Brain Herniation: A Conceptual and Clinical Model** *NEUROSURGERY*
  de Oliveira Manduca Palmiero, H., Gadelha Figueiredo, E.
  2026; 99 (1): e1-e2

- **Hemodynamic modulation of transnidal pressure during transvenous arteriovenous malformation embolization: an experimental porcine model** *JOURNAL OF NEUROINTERVENTIONAL SURGERY*
  Mendes, G. A. C., da Costa, M., Palmiero, H., Mounayer, C., Figueiredo, E.
  2026

- **Cervical Spine Clearance in Adult and Pediatric Trauma: A Systematic Review** *JOURNAL OF EMERGENCY MEDICINE*
  Palmiero, H., Figueiredo, E.

2026; 85: 95-113

- **Management of pediatric brain arteriovenous malformation: a systematic review of retrospective studies** *NEUROSURGICAL REVIEW*
  de Oliveira Manduca Palmiero, H., Gadelha Figueiredo, E.
  2026; 49 (1)
- **Letter on "The cuneus vein: initial anatomical description and preservation technique for posterior interhemispheric approaches"-what defines an anatomic structure?** *ACTA NEUROCHIRURGICA*
  de Oliveira Manduca Palmiero, H., Gadelha Figueiredo, E.
  2026; 168 (1)
- **Response to: "Letter to the Editor Regarding Cervical Spine Clearance in Adult and Pediatric Trauma: A Systematic Review".** *The Journal of emergency medicine*
  de Oliveira Manduca Palmiero, H., Gadelha Figueiredo, E.
  2026
- **AI Models for Surgical Decision Support in Spontaneous Intracerebral Hemorrhage: A Systematic Review in Relation to Trials and Guidelines** *NEUROCRITICAL CARE*
  de Oliveira Manduca Palmiero, H., Gilberto Carlotti, C., Gadelha Figueiredo, E.
  2026; 44 (3): 1063-1076
- **Telemedicine in neurosurgery: A systematic review of global implementation, outcomes, and barriers to access** *JOURNAL OF TELEMEDICINE AND TELECARE*
  Palmiero, H., Figueiredo, E.
  2026: 1357633X261436994
- **From Simpson grade to Ki-67 index for prognostic stratification of meningioma** *JOURNAL OF NEUROSURGERY*
  Palmiero, H., Figueiredo, E.
  2026; 144 (4): 1003-1004
- **Technical Description of the Mini Far-Lateral Approach: A Refined, Stability-Preserving Corridor to the Petroclival Region.** *Operative neurosurgery (Hagerstown, Md.)*
  Gadelha Figueiredo, E., de Oliveira Manduca Palmiero, H., Dogan, S., Gondim Cabral de Vasconcelos, F. R., Brenner, L. B., Gilberto Carlotti, C. J., Spetzler, R. F., Preul, M. C.
  2026
- **Minipterional and Sphenoid Ridge Keyhole Approaches: A Comparative Anatomic Study.** *Operative neurosurgery (Hagerstown, Md.)*
  Gadelha Figueiredo, E., de Oliveira Manduca Palmiero, H., Koester, S. W., Freitas, P., Lawton, M. T.
  2026
- **Anatomical and quantitative analysis of safe entry zones to the lower brainstem through the far-lateral approach** *NEUROSURGICAL REVIEW*
  Cavalcanti, D., Figueiredo, E., De Oliveira Manduca Palmiero, H., Preul, M. C., Spetzler, R. F.
  2026; 49 (1)
- **The evolution of intracranial aneurysm treatment: a narrative review integrating historical perspectives and contemporary evidence** *BRITISH JOURNAL OF NEUROSURGERY*
  de Oliveira Manduca Palmiero, H., Gadelha Figueiredo, E.
  2026: 1-16
- **Letter: Predicting Intracranial Pressure Levels: A Deep Learning Approach Using Computed Tomography Brain Scans** *NEUROSURGERY*
  de Oliveira Manduca Palmiero, H., Gadelha Figueiredo, E.
  2026; 98 (1): e9
- **Embolic Agents for Middle Meningeal Artery Embolization in Chronic Subdural Hematoma: a Systematic Review and Comparative Pooled Analysis** *CLINICAL NEURORADIOLOGY*
  De Oliveira Manduca Palmiero, H., Gadelha Figueiredo, E.
  2026; 36 (1): 23-37
- **Fetal myelomeningocele repair after the MOMS trial: a systematic review of neurosurgical outcomes and evolving techniques** *CHILDS NERVOUS SYSTEM*
  De Oliveira Manduca Palmiero, H., Figueiredo, E.

2025; 41 (1): 401

- **Regarding a Simple Technique of Cerebrospinal Fluid Leak Prevention Following Endoscopic Third Ventriculostomy: A Technical Note** *WORLD NEUROSURGERY*
  Palmiero, H., Figueiredo, E.
  2025; 202: 124409
- **On patient positioning in the "Supracerebellar highway-fast and safe road to pediatric pineal tumor resection": a letter to the editor** *CHILDS NERVOUS SYSTEM*
  Palmiero, H.
  2025; 41 (1): 318
- **Anatomical assessment of cerebral sulci and gyri for neuroanatomy education using photogrammetry technique to generate 3D-tridimensional models** *NEUROSURGICAL REVIEW*
  Palmiero, H., Ribas, E., Carlotti Jr, C., Figueiredo, E.
  2025; 48 (1): 172
- **Anatomic evaluation of the posterior temporal approach via the Heschl's gyrus to the thalamus, internal capsule, and atrium** *ACTA NEUROCHIRURGICA*
  Manduca Palmiero, H., Ribas, E., Teixeira, M., Figueiredo, E.
  2023; 165 (2): 517-523
- **Anatomic, qualitative, and quantitative evaluation of the variants of the infratentorial supracerebellar approach to the posteroinferior thalamus** *NEUROSURGICAL REVIEW*
  de Oliveira Manduca Palmiero, H., Solla, D., dos Santos, L., Teixeira, M., Figueiredo, E.
  2021; 44 (4): 2309-2318
- **Microsurgery for Upper Basilar Tip Aneurysm With Intraoperative Rupture: 3-Dimensional Operative Video** *OPERATIVE NEUROSURGERY*
  Granados, O., Silva da Costa, M., Costa, B., Gonzalez-Echeverria, K., Paganelli, S., Caramanti, R., Palmiero, H., Chaddad-Neto, F.
  2019; 16 (2): E43
- **Microsurgical Clipping of Ruptured Distal Posterior Inferior Cerebellar Artery Aneurysm: 3-Dimensional Operative Video** *OPERATIVE NEUROSURGERY*
  Wainberg, R., Silva da Costa, M., Ugalde Hernandez, Y. A., Caramanti, R., Ferreira Alves Filho, C., Palmiero, H., Saick, R., Chaddad-Neto, F.
  2019; 16 (2): E48
- **Intracranial Dural Arteriovenous Fistula: 2-Dimensional Operative Video** *OPERATIVE NEUROSURGERY*
  Manduca Palmiero, H., Lourenco Costa, B., Caramanti, R., Silva da Costa, M., Aparecido Chaddad-Neto, F.
  2018; 15 (3): 353
- **Intradural Anterior Clinoidectomy for Ophthalmic Artery Aneurysm Clipping: 3-Dimensional Operative Video** *OPERATIVE NEUROSURGERY*
  Caramanti, R., Silva da Costa, M., Ugalde Hernandez, Y. A., Ferreira Alves Filho, C., Wainberg, R., Palmiero, H., Saick, R., Chaddad-Neto, F.
  2018; 14 (6): 708
- **Angular and metric analysis of the neural structures in the cerebellopontine angle** *BRITISH JOURNAL OF NEUROSURGERY*
  Manduca Palmiero, H., Silva da Costa, M., Caramanti, R., Aparecido Chaddad-Neto, F.
  2018; 32 (3): 250-254
- **Treatment of Intradural Spinal Arteriovenous Fistula: Technical Case Report** *BRAZILIAN NEUROSURGERY-ARQUIVOS BRASILEIROS DE NEUROCIRURGIA*
  Manduca Palmiero, H., Caramanti, R., Aparecido Chaddad-Neto, F.
  2017; 36 (4): 264-268
- **Liver Recipient Survival Rate Before and After Model for End-Stage Liver Disease Implementation and Use of Donor Risk Index**
  Palmier, H., Kajikawa, P., Boin, I. F., Coria, S., Pereira, L. A.
  ELSEVIER SCIENCE INC.2010: 4113-4115
- **Donor Risk Index and Survival Rate after Liver Transplantation - Prospective Study**
  Kajikawa, P., Boin, I. F., Palmiero, H. O. M., Ataide, E. C., Bachega, E. B., Sardinha, L. A. C., Zambelli, H. J. L.
  JOHN WILEY & SONS INC.2010: S176-S177

- **REVIEWING THE CAUSES FOR OVER THOUSAND DISCHARGED LIVER DONORS. CAN DONATIONS BE INCREASED?**
  Boin, I. F., Palmiero, H. O. M., Kajikawa, P., Zambelli, H.
  JOHN WILEY & SONS INC.2009: S79
- **Reviewing the Causes for 1432 Discharged Liver Donors: Can Donations Be Increased?**
  Boin, I. F., Palmiero, H. M., Kajikawa, P., Zambelli, H. L.
  ELSEVIER SCIENCE INC.2009: 797-798
- **Profile of cadaveric liver donors of the OPO-UNICAMP from 2002 to 2006**
  Boin, I. F., Kajikawa, P., Palmiero, H. M., Zarnbelli, H., Stucchi, R., Leonardi, M., Leonardi, L.
  ELSEVIER SCIENCE INC.2008: 657-659
- **Age donor over fiftys decrease survival rate after liver transplantation.**
  Boin, I. F., Leonardi, M. I., Stucchi, R., Palmiero, H. M., Kajikawa, P., Kaiahara, Y. B. F.
  JOHN WILEY & SONS INC.2007: S132