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Helbert de Oliveira Manduca Palmiero

Clinical Instructor, Neurosurgery

CLINICAL OFFICE (PRIMARY)

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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.
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- **Testosterone replacement therapy and aneurysm biology: current evidence and clinical implications.** *Indian journal of thoracic and cardiovascular surgery*
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  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*
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- **Study on Effects of Bipolar Coagulation on the Swine Spinal Cord: A Histological, Thermal, and Electrical Current Analysis.** *Operative neurosurgery (Hagerstown, Md.)*
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- **Prevalence and clinical characterization of headache in patients with cranial bone defects: a single-center retrospective study.** *Acta neurologica Belgica*
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- **ICP amplitude: physiological context, limitations, and integration with waveform analysis** *JOURNAL OF NEUROSURGERY*
  Palmiero, H., Figueiredo, E.
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- **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*
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- **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.

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- **Management of pediatric brain arteriovenous malformation: a systematic review of retrospective studies** *NEUROSURGICAL REVIEW*
  de Oliveira Manduca Palmiero, H., Gadelha Figueiredo, E.
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- **Letter on "The cuneus vein: initial anatomical description and preservation technique for posterior interhemispheric approaches"-what defines an anatomic structure?** *ACTA NEUROCHIRURGICA*
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- **Response to: "Letter to the Editor Regarding Cervical Spine Clearance in Adult and Pediatric Trauma: A Systematic Review".** *The Journal of emergency medicine*
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- **AI Models for Surgical Decision Support in Spontaneous Intracerebral Hemorrhage: A Systematic Review in Relation to Trials and Guidelines** *NEUROCRITICAL CARE*
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  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.
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- **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.
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- **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.
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- **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.
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- **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.
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  Caramanti, R., Silva da Costa, M., Ugalde Hernandez, Y. A., Ferreira Alves Filho, C., Wainberg, R., Palmiero, H., Saick, R., Chaddad-Neto, F.
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- **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.
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- **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.
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- **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.
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- **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.
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- **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.
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  Boin, I. F., Leonardi, M. I., Stucchi, R., Palmiero, H. M., Kajikawa, P., Kaiahara, Y. B. F.
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