

# Marcos Tatagiba

Chairman and Director Department of Neurosurgery University Hospital [Tübingen](#) Hoppe-Seyler-Str. 4  
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Birthday: March 9, 1963 in Victoria, Brazil

Married, 6 children

## Medical Study

University of the State of Rio de Janeiro, Rio de Janeiro, Brazil, from 1980 to 1986

## Residency Program in Neurosurgery

Neurosurgical Training from 1987 to 1993 at the Department of Neurosurgery, Nordstadt Hospital, Hannover, Germany, under the Chairmanship of Prof. Dr. Dr. Madjid Samii.

Board of Neurosurgery in March, 1993 (European Certificate)

## Doctoral Thesis

Accomplished in January 1992 at Hannover Medical School, Hannover, Germany "Significance for postoperative hearing of preserving the labyrinth in vestibular schwannoma surgery"

## Post-doctoral Thesis

Accomplished in February 1998 at Hannover Medical School, Hannover, Germany "Regeneration of axotomized acoustic nerve of adult rat after intrathecal treatment with the IN-1 antibody against neurite growth inhibitors". Major University Positions

1998-2002 Consultant and Vice-Director, Dept. of Neurosurgery, Hannover Medical School

2000-2002 Vice Director, International Neuroscience Institute, Hannover

2002-2003 Vice Director, Dept. of Neurosurgery, University of Freiburg

Since 2003 Director and Chairman, Dept. of Neurosurgery, University of Tübingen

2006 Appointed as Chairman and Director, Dept. of Neurosurgery, Univ. of Zurich

## Scientific Publications

Marcos Tatagiba et al. described the surgical anatomy of the [midline suboccipital subtonsillar approach](#) to the [hypoglossal canal](#). This approach includes a midline [suboccipital craniotomy](#), dorsal opening of the [foramen magnum](#) and elevation of ipsilateral cerebellar tonsil to expose the [hypoglossal nerve](#) and its canal. The midline subtonsillar approach permits a straight primary intradural view to the hypoglossal canal. There is no necessity of condylar resections <sup>1)</sup>.

Journal: 280 publications Book Chapters: 25 chapters Books (Autor/Editor): 5 books

Areas of Special Interest:

Basic Research: Neurooncology, including Neurofibromatosis

Neuroregeneration of Peripheral and the Central Nervous System

Clinical Research: Skull Base Tumors, including CP Angle tumors

## Publications as First Author

1: Tatagiba M, Rigante L, Mesquita Filho P, Ebner FH, Roser F. Endoscopic-Assisted Posterior Intradural Petrous Apicectomy in Petroclival Meningiomas: A Clinical Series and Assessment of Perioperative Morbidity. *World Neurosurg.* 2015 Dec;84(6):1708-18. doi: 10.1016/j.wneu.2015.07.033. Epub 2015 Jul 23. PubMed PMID: 26210709.

2: Tatagiba MS, Roser F, Hirt B, Ebner FH. The retrosigmoid endoscopic approach for cerebellopontine-angle tumors and microvascular decompression. *World Neurosurg.* 2014 Dec;82(6 Suppl):S171-6. doi: 10.1016/j.wneu.2014.08.001. Review. PubMed PMID: 25496630.

3: Tatagiba M, Roser F, Schuhmann MU, Ebner FH. Vestibular schwannoma surgery via the retrosigmoid transmeatal approach. *Acta Neurochir (Wien).* 2014 Feb;156(2):421-5; discussion 425. doi: 10.1007/s00701-013-1915-6. Epub 2013 Nov 30. PubMed PMID: 24292774.

4: Tatagiba M, Acioly MA, Roser F. Petroclival tumors. *J Neurosurg.* 2013 Aug;119(2):526-8. doi: 10.3171/2013.2.JNS13319. Epub 2013 Jun 7. PubMed PMID: 23746106.

5: Tatagiba M, Koerbel A, Roser F. The midline suboccipital subtonsillar approach to the hypoglossal canal: surgical anatomy and clinical application. *Acta Neurochir (Wien).* 2006 Sep;148(9):965-9. Epub 2006 Jul 5. Review. PubMed PMID: 16817032.

6: Tatagiba M, Gharabaghi A. Electrically evoked hearing perception by functional neurostimulation of the central auditory system. *Acta Neurochir Suppl.* 2005;93:93-5. Review. PubMed PMID: 15986735.

7: Tatagiba M, Koerbel A, Bornemann A, Freudenstein D. Meningioma of the accessory nerve extending from the jugular foramen into the parapharyngeal space. *Acta Neurochir (Wien).* 2005 Aug;147(8):909-10. Epub 2005 May 9. PubMed PMID: 15877177.

8: Tatagiba M, Koerbel A. Brachial plexus injury. *J Neurosurg.* 2005 Feb;102(2):403-4; author reply 404. PubMed PMID: 15739577.

9: Tatagiba M, Koerbel A. Re: Surgical management of brachial plexus region tumors. *Surg Neurol*

2004;61:372-8. Surg Neurol. 2004 Oct;62(4):372-3; author reply 373. PubMed PMID: 15451299.

10: Tatagiba M, Rosahl S, Gharabaghi A, Blömer U, Brandis A, Skerra A, Samii M, Schwab ME. Regeneration of auditory nerve following complete sectioning and intrathecal application of the IN-1 antibody. Acta Neurochir (Wien). 2002 Feb;144(2):181-7. PubMed PMID: 11862519.

11: Tatagiba M, Iaconetta G, Samii M. Epidermoid cyst of the cavernous sinus: clinical features, pathogenesis and treatment. Br J Neurosurg. 2000 Dec;14(6):571-5. Review. PubMed PMID: 11272040.

12: Tatagiba M, Rosahl S, Blömer U, Gharabaghi A, Böhme M, Samii M. Neurotrophin-3 and spinal ganglion neurons. J Neurosurg. 2001 Jan;94(1):147-9. PubMed PMID: 11147892.

13: Tatagiba M, Brösamle C, Schwab ME. Regeneration of injured axons in the adult mammalian central nervous system. Neurosurgery. 1997 Mar;40(3):541-6; discussion 546-7. Review. PubMed PMID: 9055294.

14: Tatagiba M, Matthies C, Samii M. Microendoscopy of the internal auditory canal in vestibular schwannoma surgery. Neurosurgery. 1996 Apr;38(4):737-40. PubMed PMID: 8692393.

15: Tatagiba M, Samii M, Matthies C, Vorkapic P. Management of petroclival meningiomas: a critical analysis of surgical treatment. Acta Neurochir Suppl. 1996;65:92-4. Review. PubMed PMID: 8738505.

16: Tatagiba M, Samii M, Dankoweit-Timpe E, Aguiar PH, Osterwald L, Babu R, Ostertag H. Esthesioneuroblastomas with intracranial extension. Proliferative potential and management. Arq Neuropsiquiatr. 1995 Sep;53(3-B):577-86. PubMed PMID: 8585813.

17: Tatagiba M, Bini W, Sepehrnia A, Eichhorn R, Kleider A, Samii M. Involvement of spinal nerves in neurofibromatosis. Neurosurg Rev. 1994;17(1):43-9. PubMed PMID: 8078608.

18: Tatagiba M, Matthies C, Samii M. Facial nerve reconstruction in neurofibromatosis 2. Acta Neurochir (Wien). 1994;126(2-4):72-5. PubMed PMID: 8042558.

19: Tatagiba M, Aguiar PH, Samii M. Management of occult intrasacral meningocele associated with lumbar disc prolapse. Neurosurg Rev. 1994;17(4):313-5. PubMed PMID: 7753422.

20: Tatagiba M, Penkert G, Samii M. [Ganglia of peripheral nerves]. Zentralbl Neurochir. 1993;54(4):171-3. German. PubMed PMID: 8128785.

## Membership of Scientific and Medical Societies

Member of the German Society of Neurosurgery (Deutsche Gesellschaft für Neurochirurgie)

Member of the Congress of Neurological Surgeons (CNS-USA)

Member of the American Association of Neurological Surgeons (AANS-USA)

Member (Titular) da Sociedade Brasileira de Neurocirurgia

Member of the Brazilian Academy of Neurosurgery

Honory Member of Centro de Estudos da Santa Casa de Misericórdia de Belo Horizonte

Member of the German Society of Skull Base Surgery

Member of the Executive Committee of the German Skull Base Society, as Treasurer

Member of the European Skull Base Society

Member of the German Academy of Neurosurgery (GANS)

Member of the European Neurological Society

Member of the Academia Eurasiana

Past-President of the German Academy of Neurosurgery

Past-President, German Skull Base Society

## Major Prizes and Honors

1997 Young Neurosurgeon Award. World Federation of Neurosurgical Societies.

2001 Aesculap/EANS Prize. European Association of Neurosurgical Societies

2001 Academic Adviser of Jiangyin International Cooperative Neuro-Center, Southeast University School of Medicine, China

2002 Prize of the Neurosurgical Research Foundation Prize. German Society of Neurosurgery

2003 Visiting Professor“ at Wayne State University, School of Medicine, Department of Neurological Surgery and Children’s Hospital of Michigan, Detroit, MI (USA)

2007 Innovationspreis Medizintechnik – Federal Ministry of Educationa and Science (BMBF), Germany

2010 Visiting Professor, People’s Hospital, Affiliated Hospital of the University of Peking, Peoples Republic of China

2013 Comenda Estrela Spica da Educacao e Cultura, Capitulo Norte da Academia Brasileira de Neurocirurgia

2016 Keller Lecturer 2016. Department of Neurosurgery, University of Cincinnati, OH, USA  
Chronological CV

1980-1985: Medical Study at Rio de Janeiro State University, Brazil

1986: Fellowship at Institute for Pathology, Nordstadt Hospital, Hannover (Director: Prof. Dr. med. H. Ostertag)

1987-1993: Residency Program in Neurosurgery (Department of Neurosurgery, Nordstadt Hospital, Hannover (Director: Prof. Dr. med. M. Samii).

1992: Doctoral Thesis at Hannover Medical School

1993: Board of Neurosurgery at Medical Chamber of Lower Saxony, Germany

1994-1997: Staff Member at Department of Neurosurgery, Nordstadt Hospital, Hannover (Director: Prof. Dr. med. M. Samii).

1995: Research Fellow at Institute for Brain Research, University of Zurich (Director: Prof. Dr. M.E. Schwab, Ph.D.)

1997: Winner of the Prize: „Young Neurosurgeon Award“ of the World Federation of Neurosurgical Societies (WFNS).

01/98-09/02: Staff Member at Department of Neurosurgery, Hannover Medical School (Director: Prof. Dr.med. Dr. h.c. M. Samii)

1998: Post-Doctoral Thesis at Hannover Medical School

1999 Honory Member („Membro Honorario“) of Centro de Estudos da Santa Casa de Misericordia de Belo Horizonte, MG, Brazil

2001 „Faculty Member“ of European Congress of Skull Base Society „Academic Adviser“ of Jiangyin International Cooperative Neuro-Center, Southeast University School of Medicine, China

Winner of “Aesculap EANS” Prize, Research Committee of the European Association of Neurosurgical Societies (EANS) for Europa’s best scientific paper “Founding Member” of International Study Group on Neuroendoscopy (ISGNE).

10/00-09/02 Vice-Director at International Neuroscience Institute (INI) Hannover (President: Prof. Dr. med. Dr. h.c. M. Samii)

10/02-09/03 Vice-Director, Department of Neurosurgery, University of Freiburg (Prof. Dr. med. J. Zentner)

05/2003 „Visiting Professor“ at Wayne State University, School of Medicine, Department of Neurological Surgery and Children’s Hospital of Michigan, Detroit, MI (USA)

2003 Appointed as Director and Chairman, Department of Neurosurgery, University of Tuebingen, Germany.

2006 Appointed as Chairman and Director for the Department of Neurosurgery, University of Zurich.

Since 2006 Local Director of the annual ATCHYN Program between the Brazilian Academy of Neurosurgery and the University of Tübingen, Dept. of Neurosurgery

2007 President of the First ISCNS (International Symposium on Cognitive Neurosurgery), Meeting, Castle of Weitemburg, March 2007

President of the First MASCIN Meeting, Castle of Weitemburg, August 2007 2010 President of the German Academy of Neurosurgery (GANS)

Member of the Academia Eurasiana

2013-2015 President, German Skull Base Society

2015- Chairman International Relations, German Society of Neurosurgery (DGNC)

Tatagiba M, Koerbel A, Roser F. The midline suboccipital subtonsillar approach to the hypoglossal canal: surgical anatomy and clinical application. *Acta Neurochir (Wien)*. 2006 Sep;148(9):965-9. Epub 2006 Jul 5. Review. PubMed PMID: 16817032.

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