

# CURICULUM VITAE

## Tommaso Tufo MD PhD.



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**Nationality:** Italian

**DOB:** 17.02.1980

**Languages:** Italian (Native), English, Spanish, Portuguese (Professional Proficiency)

**Driving License:** Italian (European) & International

## LICENCES & PROFESSIONAL MEMBERSHIPS

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2011 **United Kingdom Specialist Register**  
GMC r n. 7172142 (reg. date 26 Jul 2011)

2011 **Belgium Medical Visa, Specialist in Neurosurgery**  
National Health Department of Professionals

2009 **Italian and European Board of Neurological Surgery**

2005 **Italian and European State Medical License**  
License n. BN 2665 (30.03.2005)

### Membership

CNS - Congress of Neurological Surgeons  
SINCH - Società Italiana di Neurochirurgia  
INS - International Neuromodulation Society

## SUMMARY

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An active Senior Neurosurgeon with over 10 years' experience, (UK- GMC Specialist Register Italian & European Board Certified) currently serving the Central Italian Region and City of Rome. Managing over 3000 complex neurosurgical brain and spinal procedures, with special interest in functional and epilepsy surgery.

Senior Consultant Neurosurgeon at Policlinico Gemelli University Hospital IRCSS of Rome; Adjunct Professor of Neurosurgery at Catholic University of Rome.

Consultant and principal investigator in ongoing European clinical trials (Abbott, Boston Scientific) in Functional Neurosurgery and collaborations with foreign universities including Instituto Neurologico de Curitiba INC (Brazil), Sirio-Libanês Hospital of Sao Paulo (Brazil), Walton Centre Institute (UK), University of Toronto (Canada).

Contributed to 23 articles (author/co-author) for publications relating to neurosurgery, neurology and neuroscience. Organized national and international meeting about neuromodulation and elected in 2019 in International Neuromodulation Society Board, Italian Chapter. Invited as a speaker 24 international conferences & seminars worldwide for presentations neuromodulation, 3 webinars in 2020, 3 webinars in 2021, with 21 abstracts and 19 posters presented at International neurosurgical and neurology meetings. Principal investigator of 3 European DBS registry (Boston Scientific and Abbott Registry Study).

## Skills & Experience

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## **Over 3000 Complex Brain & Spinal Surgeries (Excludes Private Practice Procedures)**

### **Surgical Procedures & Treatment Include:**

- Head and spinal trauma surgery
- Microsurgery and minimal invasive surgery of brain tumors and awake craniotomy in adult and pediatric patients
- Brain and spinal cord surgery with intra operative monitoring (IOM), 5-ALA and fluorescence guided resection, intraoperative imaging guided procedures and intra-op CT, robotic – biopsy (Auto-guide Medtronic)
- Minimal invasive technique, spinal navigation and intraoperative CT surgery for spinal decompression and fusion
- Microsurgery and minimal invasive surgery for cervical and lumbar disc herniation
- Thalamotomy (RF and Thermal therapy system) and FUS
- Trigeminal neuralgia and hemifacial spasm microsurgery, Radiofrequency ablation and balloon compression for trigeminal neuralgia
- Deep brain stimulation frameless and robotic for movement disorders, epilepsy and psychiatric disorders (OCD, Depression)
- Complex pain surgery, deep brain, pump implant, cordotomy and Spinal cord stimulation (SCS)
- Neurosurgical treatment for spasticity, Pump Implant, SCS, rhizotomy and DREZ lesion
- Shunt and endoscopic procedures for hydrocephalus
- Epilepsy surgery – lesionectomy, lobectomy, DBS and Vagal nerve stimulation
- Brain and Spinal cord stimulation, Functional procedures

## **Employment History** \_\_\_\_\_

2017 to Date: **Senior Consultant Neurosurgeon and Lead of Functional and Epilepsy Surgery Group  
Policlinico Gemelli Foundation IRCSS University Hospital, Rome, Italy**

- Adjunct Professor of Neurosurgery at Catholic University of Rome – Medicine and Surgery
- Special Focus in Functiona, Epilepsy, Chronic Pain procedures, Neuro Oncology
- Day to day clinical responsibilities and on-call duties, including the supervision of residents and management of complex trauma cases and vascular surgeries referred to Gemelli Hospital from the entire region.
- Leading the Functional, Epilepsy and Complex Pain group of 'Rome Area' from 2017
- Director of local chapter of European Young Neurologist's Training Program and member of INS (International Neuromodulation Society) Young Neuromodulators Committee.
- Leading and directing a team of technical staff for intraoperative neuro-monitoring and EEG recordings and implementing new technologies and the use of neuro-navigation in functional and epilepsy surgeries procedures.

- Research project on neuro-navigation and frameless DBS and new technology application in percutaneous procedures for trigeminal neuralgia
- Leading and Scientific Director of Movement Disorder and Functional Board at Catholic University of Rome and Movement Disorders Group of Rome Area and Lazio.
- Elected (2019) - Board Member of Italian Chapter of International Neuromodulation Society (INS)

2012–2016: **Consultant Neurosurgeon** (Neuro Oncology, Epilepsy and Spine, General Neuro Surgery)  
**Neuromed Institute IRCSS, Sapienza University of Rome, Italy**

- Clinical responsibilities and on-call duties. Involved in research on Brain Mapping, Functional MRI and Awake Craniotomy

2014: **Senior Fellowship** (Functional and Epilepsy Surgery)  
**Walton Centre Institute NHS Trust, Liverpool, UK**

2010-2012: **Consultant Neurosurgeon** (Functional, Epilepsy and Chronic Pain, General Neurosurgery)  
**Policlinico Gemelli Foundation University Hospital, Italy**

2007-2008: **Senior Fellowship** (Neurotrauma, Skull Base and Neuro Oncology)  
**UNICAMP University of Campinas and Instituto Neurologico De Curitiba (Brazil)**

## EDUCATION & TRAINING

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2015 **PhD Neuroscience**  
Catholic University of Rome, Italy

2014 **Senior Fellowship - Functional and Epilepsy Surgery**  
(Under direction of prof P. Eldridge and Prof J. Farah)  
Walton Centre Institute NHS Trust, Liverpool, United Kingdom

2013 **Internship - Neurotrauma**  
(under direction of Professor Servadei)  
University Hospital of Parma, Italy

2008 **Senior Fellowship Neurotrauma and Skull Base Surgery**  
(Under direction of Professor R. Ramina, Professor M.V. Maldaum)  
UNICAMP University of Campinas Brazil and Curitiba Neurological Institute, Brazil

2009 **Residency**  
(under direction of Professor Concezio Di Rocco)  
Polyclinic Gemelli University Hospital, Catholic University of Rome, Italy

2005 **M.D.**  
Policlinico Gemelli University Hospital, Catholic University of Rome,  
Medical School, Italy

## AWARDS & RECOGNITION

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9. Lavallo L<sup>1</sup>, D'elia A<sup>2</sup>, Arcella A<sup>3</sup>, Esposito V<sup>4</sup>, **Tufo T**<sup>5</sup>.  
Atypical presentation of meningioangiomas: it can bleed! *J Neurosurg Sci.* 2019 Dec;63(6):749-753. doi: 10.23736/S0390-5616.18.04324-2
10. Piano C, Fasano A, Daniele A, Di Giuda D, Ciavarro M, **Tufo T**, Zinno M, Bentivoglio AR, Cioni B.  
Extradural motor cortex stimulation improves gait, speech, and language in a patient with pure akinesia. *Brain Stimulation.* 2018 Sep-Oct;11(5):1192-1194. doi:10.1016/j.brs.2018.05.014. Epub 2018 May 22. PubMed PMID:29885860.
11. Cioni B, **Tufo T**, Bentivoglio A, Trevisi G, Piano C  
Motor cortex stimulation for movement disorders. *J Neurosurgery Sci.* 2016 Jun;60(2):230-41. Epub 2016 Mar 15. Review. PubMed PMID: 26977635..
12. Rigante L, **Tufo T**, Scoppettuolo G, Donato C, Mangiola A.  
Brain abscess developing in a non-operated spontaneous intracerebral haemorrhage: a case report and literature review. *Turk Neurosurg.* 2013;23(6):835-9. doi: 10.5137/1019-5149.JTN.6591-12.2. PubMed PMID: 24310475.
13. Bentivoglio AR, Fasano A, Piano C, Soleti F, Daniele A, Zinno M, Piccininni C, De Simone C, Policicchio D, **Tufo T**, Meglio M, Cioni B.  
Unilateral extradural motor cortex stimulation is safe and improves Parkinson disease at 1 year. *Neurosurgery.* 2012 Oct;71(4):815-25. PubMed PMID: 22791032.
14. Visocchi M, Della Pepa GM, Esposito G, **Tufo T**, Zhang W, Li S, Zhong J.  
Spinal cord stimulation and cerebral hemodynamics: updated mechanism and therapeutic implications. *Stereotact Funct Neurosurg.* 2011;89(5):263-74. doi: 10.1159/000329357. Epub 2011 Aug 19. Review. PubMed PMID: 21860253.
15. Montano N, Signorelli F, **Tufo T**, Sioletic S, Lauretti L, Pallini R, Maira G, Doglietto F. Teaching NeuroImages: extraleSIONAL bleeding of conus medullaris cavernoma. *Neurology.* 2010 Jul 6;75(1):e1. doi: 10.1212/WNL.0b013e3181e6209b. PubMed PMID: 20603476.
16. Visocchi M, Pietrini D, **Tufo T**, Fernandez E, Di Rocco C.  
Pre-operative irreducible C1-C2 dislocations: intra-operative reduction and posterior fixation. The "always posterior strategy". *Acta Neurochir (Wien).* 2009 May;151(5):551-9;discussion 560. doi: 10.1007/s00701-009-0271-z. Epub 2009 Apr 1. PubMed PMID:19337686.
17. Di Rocco F, Doglietto F, **Tufo T**, Ciampini A, Lauretti L, Fernandez E.  
Posttraumatic immobilization in flexion of a congenital valgus elbow and cubital tunnel syndrome-case report. *Surg Neurol.* 2009 Jun;71(6):709-12, discussion 712. doi: 10.1016/j.surneu.2008.01.020. Epub 2008 Apr 18. PubMed PMID: 18423544.
18. Massimi L, **Tufo T**, Di Rocco C.  
Management of optic-hypothalamic gliomas in children: still a challenging problem. *Expert Rev Anticancer Ther.* 2007 Nov;7(11):1591-610. Review. PubMed PMID: 18020927.
19. Fernandez E, Lauretti L, **Tufo T**, D'Ercole M, Ciampini A, Doglietto F. End-to-side nerve neurotomy: critical appraisal of experimental and clinical data. *Acta Neurochir Suppl.* 2007;100:77-84. Review. PubMed PMID: 17985551.
20. Pancucci G, Massimi L, Caldarelli M, D'Angelo L, Sturiale C, Tamburrini G, **Tufo T**.  
[Pediatric craniopharyngioma: long-term results in 61 cases]. *Minerva Pediatr.* 2007 Jun;59(3):219-31. Italian. PubMed PMID: 17519867.
21. Fernandez E, Mannino S, **Tufo T**, Pallini R, Lauretti L, Albanese A, Denaro L.  
The adult "paraplegic" rat: treatment with cell graftings. *Surg Neurol.* 2006 Mar;65(3):223-37. PubMed PMID: 16488239.
22. Fernandez E, Lauretti L, Denaro L, Montano N, Doglietto F, Novegno F, Falchetti ML, **Tufo T**, Maira G, Pallini R.

Motoneurons innervating facial muscles after hypoglossal and hemi hypoglossal-facial nerve anastomosis in rats. *Neurol. Res.* 2004 Jun;26(4):395-400. PubMed PMID: 15198865.

## **Book Chapters**

Cioni B, De Simone C, **Tufo T**, Meglio M. Motor cortex stimulation for movement disorders. In *Handbook of Stereotactic and Functional Neurosurgery*. Cap. 11. Edizioni Minerva Medica

Rome, 25<sup>th</sup> March 2021