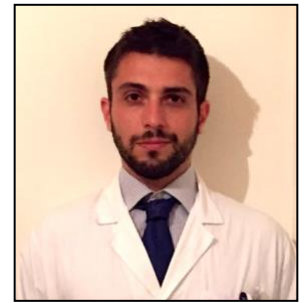


# Vincenzo Levi, MD

Date and place of birth: 24<sup>th</sup> September 1986, Catania Italy  
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## Work Experience

**From November 2018** – PhD Candidate in Bioengineering at the Politecnico of Milan in collaboration with the Functional Neurosurgery Unit of the Fondazione IRCCS Istituto Neurologico Carlo Besta

**September 2017 - July 2018** Neurosurgical resident, Functional Neurosurgery Unit - Fondazione IRCCS Istituto Neurologico Carlo Besta - Milan, Italy (Dr. Angelo Franzini)

**February 2017 – September 2017** Visiting Scholar, Functional Neurosurgery and Peripheral Nerve Disorders - UCLA University of California - Los Angeles, USA (Prof. Nader Pouratian)

- During this period, I have been involved in clinical activity, mostly regarding Movement Disorders, Pain and Peripheral Nerve Surgery. I have also attended the weekly meetings of the Brain Mapping and Restoration Lab, getting the opportunity to learn the exploitation of ECoG technology during DBS Surgery aiming at the development of a “smart” Closed-Loop DBS System.

**August 2015 – February 2017** Neurosurgical resident, Functional Neurosurgery Unit - Fondazione IRCCS Istituto Neurologico Carlo Besta - Milan, Italy (Dr. Angelo Franzini)

- In this timeframe I have focused my activity on the following:
  1. Functional Neurosurgery for the treatment of Parkinson’s Disease, Dystonia, Essential Tremor, Psychiatric Disorders, Pain and drug-resistant Epilepsy (DBS, SCS, VNS, Peripheral Nerve Field Stimulation, MVD).
  2. Surgery of Peripheral Nerve Disorders: Entrapment Neuropathies, Adult Brachial Plexus Injuries, Nerve Sheath Tumors.

## Education and training

**2012-2018 Neurosurgery Residency**

**Vote: 70/70 cum laude**

Thesis: “Neurosurgical management of status dystonicus: a single-center experience”

**2005-2011 Medical School**

**Vote: 110/110 cum laude**

Thesis: “Vagus Nerve Stimulation: an adjunctive therapeutic option for the treatment of adult refractory epilepsy” - University of Catania – Catania, Italy

## Spoken Languages

Mother tongue: Italian

Other languages (Common European framework of reference for languages)

- ✓ English: C1, advanced proficiency – TOELF Test 104/120 (September 2017)
- ✓ Portuguese: B1, intermediate level
- ✓ French: A1, beginner

## Scientific Publications

1. Rosa M, Scelzo E, Locatelli M, et al. Risk of Infection After Local Field Potential Recording from Externalized Deep Brain Stimulation Leads in Parkinson's Disease. *World Neurosurg.* 2017;97. doi:10.1016/j.wneu.2016.09.069
2. Levi V, Bertani GA, Carrabba G, Locatelli M, Cogiமானian F, Rampini P. Bilateral Parkinsonism: When to image? *Pract Neurol.* 2015;15(4). doi:10.1136/practneurol-2015-001083
3. Levi V, Carrabba G, Rampini P, Locatelli M. "short term surgical complications after subthalamic deep brain stimulation for Parkinson's disease: Does old age matter?" Neurology, stroke and cognition. *BMC Geriatr.* 2015;15(1). doi:10.1186/s12877-015-0112-2
4. Levi V, Vetrano IG. May Cisternostomy and Glymphatic System Be Considered the Deus ex Machina of Refractory Posttraumatic Intracranial Hypertension? *World Neurosurg.* 2018. doi:10.1016/j.wneu.2018.05.231
5. Muratorio F, Tringali G, Levi V, Ligarotti GKI, Nazzi V, Franzini AA. Hydrocephalus: an underrated long-term complication of microvascular decompression for trigeminal neuralgia. A single institute experience. *Acta Neurochir (Wien).* 2016;158(11). doi:10.1007/s00701-016-2911-4
6. Franzini A, Franzini A, Levi V, Cordella R, Messina G. An unusual surgical indication for cerebral tuberculosis: status dystonicus. Case report. *Acta Neurochir (Wien).* 2018. doi:10.1007/s00701-018-3561-5
7. Dones I, Zanin L, Marongiu I, Levi V, Chiapparini L, Rizzi M. Severe Pain and Edema due to a Widespread Lymphangioma: Disappearance of Symptoms and Reduction of Lesion with Spinal Cord Stimulation. *World Neurosurg.* 2016;93. doi:10.1016/j.wneu.2016.06.129
8. Messina G, Broggi G, Levi V, Franzini A. Deep brain stimulation for trigeminal autonomic cephalalgias. *Expert Rev Neurother.* 2018;18(5). doi:10.1080/14737175.2018.1462702
9. Franzini A, Levi V, Franzini A, Dones I, Messina G. Staged pallidotomy: MRI and clinical follow-up in status dystonicus. *Br J Neurosurg.* 2017;0(0):1-4. doi:10.1080/02688697.2017.1409875
10. Bravi L, Malinverno M, Pisati F, et al. Endothelial Cells Lining Sporadic Cerebral Cavemous Malformation Cavemomas Undergo Endothelial-to-Mesenchymal Transition. *Stroke.* 2016;47(3). doi:10.1161/STROKEAHA.115.011867
11. Levi V, Bertani GA, Guastella C, et al. Microscopic versus endoscopic transsphenoidal surgery for pituitary adenoma: analysis of surgical safety in 221 consecutive patients. *Clin Otolaryngol.* 2017;42(2). doi:10.1111/coa.12631
12. Levi V, Pluderi M. *Etiopathogenesis of Pathological and Traumatic Vertebral Fractures.*; 2015.
13. Levi V, Messina G, Franzini A, Zanin L, Castelli N, Dones I. Peripheral Nerve Field Stimulation (PNFS) as a Treatment Option for Intractable Radiation-Induced Facial Neuropathic Pain in a Survivor of Laryngeal Cancer: A Case Report. *World Neurosurg.* 2016;91. doi:10.1016/j.wneu.2016.03.104
14. Dones I, Levi V. Spinal Cord Stimulation for Neuropathic Pain: Current Trends and Future Applications. *Brain Sci.* 2018;8(8). doi:10.3390/brainsci8080138
15. Levi V, Franzini A, Di Cristofori A, Bertani G, Pluderi M. Subacute posttraumatic ascending myelopathy (SPAM): A potential complication of subarachnoid shunt for syringomyelia? *J Spinal Cord Med.* August 2018:1-5. doi:10.1080/10790268.2018.1512735

Milano, 03/05/19

Signature

Vincenzo Levi