

## CURRICULUM VITAE ET STUDIORUM

### Personal details

Name TOSCANO Massimiliano  
E-mail  
Birth

### Education and Training

Date 2016  
Title PhD –Behavioural Neuroscience  
Institution “Sapienza” - University of Rome  
Department of Neurology and Psychiatry  
Department of Psychology

Date 2014  
Qualification awarded International certification in Neurosonology  
Institution European Society of Neurosonology and Cerebral Hemodynamics (ESNCH)

Date 2013  
Title Residence in Neurology  
Votation summa cum laude  
Institution “Sapienza” - University of Rome  
Department of Neurology and Psychiatry

Date 2012  
Qualification awarded European Stroke Summer School  
Institution European Stroke Organization

Date 2005  
Title Medical Degree  
Votation summa cum laude  
Institution “Sapienza” – University of Rome

Date 2004  
Qualification awarded Board of qualification in Stroke  
Institution Italian Society for Stroke Study (SISS)

## Work Experience

Date	2017 - present
Work Position	Neurologist, MD, PhD
Institution	Ospedale San Giovanni Calabita - Fatebenefratelli Department of Neurology Neurophysiopathology Clinic
Date	2013-present
Work Position	Neurologist, MD, PhD
Institution	Neurorehabilitation Center A.N.F.F.A.S. Roma onlus
Date	2014 - present
Work Position	Lecturer in Clinical Neurology: learning related mechanisms and disability
Institution	I.R.S.E.F. Research Institute in collaboration with Sapienza university of Rome On behalf of Ministry of Education, University, and Research (MIUR)
Date	2018 - 2022
Work Position	Consultant Neurologist
Institution	"Sapienza" - Università di Roma Department of Neurology and Psychiatry Stroke Unit and Headache Clinic
Date	2015 -2018 and 2022-2023
Work Position	Research Assistant
Institution	"Sapienza" - University of Rome Stroke Unit and Headache Clinic
ResearchFields	Cerebrovascular diseases Behavioural Neuroscience Clinical Neurophysiology Headache and pain
Date	2008 - 2013
Work Position	Resident in Neurology, MD
Institution	"Sapienza" - University of Rome Department of Neurology and Psychiatry Stroke Unit and Headache Clinic

Date 2008  
Work Position Lecturer in Clinical Neurology. Graduating Course in Speech Therapy,  
Institution University of Rome "Tor Vergata"

Date 2005 –2008  
Work Position Guest Doctor  
Institution "Sapienza" - University of Rome  
Department of Neurology and Psychiatry  
Stroke Unit and Headache Clinic

Date 2006 –2007  
Work Position Medical Doctor, MD  
Institution Hemodialysis ward  
Centro di Terapia Fisica e Ginnastica Medica – Tivoli (RM).

Date 2005  
Work Position Clerkship  
Institution Emergency Department - SurgicalDivision, Policlinico Umberto I – Rome

Date 2005  
Work Position Clerkship  
Institution Emergency Department - MedicalDivision, Policlinico Umberto I – Rome

Date 2005  
Work Position Clerkship  
Institution MedicalWard – Dt. Giovannetti – Tivoli (Rome)

Date 2002–2005  
Work Position Clerkship  
Institution "Sapienza" - University of Rome  
Department of Neurology and Psychiatry  
Stroke Unit and Headache Clinic

## **RESEARCH**

### **Research fields**

Cerebrovascular diseases (pathophysiology of stroke in the acute phase, mechanisms of recovery post-stroke, clinical application of functional neuroimaging techniques, neurosonology, psychiatric comorbidity)

Behavioural Neuroscience (Behavioural Neurophysiology, Learning related mechanisms and disability, Speech related mechanisms, Neurophysiological correlates of Psychiatric diseases)

Pain (morphofunctional correlates of pain in humans, pathophysiology of primary headaches, migraine, psychiatric comorbidity)

### **Research activities**

Member of the ESNCH (European Society of Neurosonology and Cerebral Hemodynamics) and the SISC (Società Italiana per lo Studio delle Cefalee)

Member of the Executive Committee of the SISS (Società Italiana per lo Studio dello Stroke)

Member of the Executive Committee of the I.R.S.E.F. Research Institute

PI (Principal Investigator) in

- Comorbidities after stroke – Stroke Unit Department of Neurology – Sapienza University of Rome – from 2015 to 2017: private founding - concluded on March 2017
- Stroke related comorbidities and complications: Department of Neurology – Sapienza University of Rome - Department's funding from 2017 to 2018 – concluded on March 2018
- AMEV-COI (20160125): Productivity losses and indirect costs after cardiovascular events in Europe – Funding: Amgen Europe GmbH – concluded on September 2017
- EXCOA-CVT: The benefit of EXTending oral antiCOAgulant treatment after acute Cerebral Vein Thrombosis– no funding– Ongoing
- GEN-O-MA (GENetics Of Moya-moyA): italian Network for Moya-moya disease study” IRCCS Fondazione IstitutoNeurologico “Carlo Besta” – Milano – no funding – Ongoing.

Ongoing protocol:

- EXCOA-CVT: The benefit of EXtending oral antiCOAgulant treatment after acute Cerebral Vein Thrombosis – Ongoing – no funding
- GEN-O-MA (GENetics Of Moya-moyA): italian Network for Moya-moya disease study” IRCCS Fondazione IstitutoNeurologico “Carlo Besta” – Milano – no funding – Ongoing.
- Effects of Repeated (focal) Muscle Vibration (rMV) on motor recovery after acute stroke: a pilot randomized sham-controlled study
- Sapienza GLOBal Bedside Evaluation of Swallowing after Stroke: The GLOBE-3S study
- Lack of habituation of VEPs responses in patients with 22q11.2 deletion syndrome without psychotic symptoms: a pilot study.
- Chronic migraine preventive treatment by prefrontal-occipital transcranial direct current stimulation (tDCS): a proof-of-concept study on the effect of psychiatric comorbidities
- The role of detection rate of swallowing impairment in preventing stroke-associated pneumonia: GLOBE-3S and Water Swallow Test.
- SEarchiNg biomarkErs Cerebral Amyloid angiopathy (SENECA): Italian Network for Cerebral Amyloid angiopathy

Academic Editor: PLoS One

Reviewer: European Journal of Neurology  
PLoS One  
Neuroscience Letters  
Scientific Reports  
Nutrients  
Geriatrics  
Brain Sciences

Lecturer: Neurology and Neurosurgery teaching course – Medicine and surgery graduate course  
Sapienza University of Rome - current academic year

Clinical Neurology: learning related mechanisms and disability – IRSEF research  
Institute in collaboration with Sapienza university of Rome on behalf of Ministry of  
Education, University and Research (MIUR) – from 2014 to present.

Lecturer in clinical Neurology – Graduating Course in Speech Therapy – University  
of Rome Tor Vergata – academic year 2007-2008

Current Funding and Disclosures: none.

## **SCIENTIFIC PUBLICATIONS**

1. Viganò A, **Toscano M**, Petolicchio B, Bianchi A, Cabrini DM, Piero VD. Letter to the editor regarding "Efficacy and tolerability of combination treatment of topiramate and greater occipital nerve block versus topiramate monotherapy for the preventive treatment of chronic migraine: A randomized controlled trial". *Cephalalgia*. 2022;42(13):1443-1444. doi:10.1177/03331024221111528.
2. Alessiani M, Petolicchio B, De Sanctis R, Squitieri M, Di Giambattista R, Puma M, Franzese C, **Toscano M**, Derchi CC, Gilliéron E, Viganò A, Di Piero V. A Propensity Score Matching Study on the Effect of OnabotulinumtoxinA Alone versus Short-Term Psychodynamic Psychotherapy Plus Drug-of-Choice as Preventive Therapy in Chronic Migraine: Effects and Predictive Factors. *Eur Neurol*. 2022 Jun 30:1-7. doi: 10.1159/000525152. PMID: 35772386.
3. **Co-Author** in *Cefalea dal dolore alla sofferenza dell'anima –Vittorio Di Piero ed Edmond Robert Gilliéron - Sapienza Università Editrice 2022 - SKU: 9788893772006*
4. **Co-Author** in *Textbook of Rare Sexual Medicine Conditions* Yacov Reisman, Lior Lowenstein and Francesca Tripodi Editors. Springer Nature 2022 ISBN 978-3-030-98262-1 ISBN 978-3-030-98263-8 (eBook) <https://doi.org/10.1007/978-3-030-98263-8>
5. Jannini TB, Sansone A, Rossi R, Di Lorenzo G, **Toscano M**, Siracusano A, Jannini EA. Pharmacological strategies for sexual recovery in men undergoing antipsychotic treatment. *Expert Opin Pharmacother*. 2022 May 1:1-16. doi: 10.1080/14656566.2022.2071124. Epub ahead of print. PMID: 35470768.
6. TB Jannini, M Ruggiero, A Viganò, A Comanducci, I Maestrini, G Giuliani, E Vicenzini, F Fattapposta, F Pauri, G Ruoppolo, **M Toscano and V Di Piero**. The role of the Sapienza GLOBal Bedside Evaluation of Swallowing after Stroke (GLOBE-3S) in the prevention of stroke-associated pneumonia (SAP). *Neurol Sci*. 2022 Feb;43(2):1167-1176. doi: 10.1007/s10072-021-05449-y. Epub 2021 Jul 16. PMID: 34269936; PMCID: PMC8789723.
7. **Toscano M**, Viganò A, Jannini TB, Ruggiero M, Comanducci A, Di Piero V. Letter to the Editor Regarding "Diagnostic Accuracy of a Bedside Screening Tool for Dysphagia". *J Stroke Cerebrovasc Dis*. 2021 Apr;30(4):105653. doi: 10.1016/j.jstrokecerebrovasdis.2021.105653. Epub 2021 Feb 9. PMID: 33573877.
8. Matria G, Viganò A, Corrado A, Mancini V, Pirillo C, Badini S, Petolicchio B, **Toscano M**, Altieri M, Delle Chiaie R and Di Piero V. Chronic migraine preventive treatment by prefrontal-occipital transcranial direct current stimulation (tDCS): a proof-of-concept study on the effect of psychiatric comorbidities. *Front Neurol* 2021 May 13;12:654900. doi: 10.3389/fneur.2021.654900
9. Jannini TB, Di Lorenzo G, Bianciardi E, Niolu C, **Toscano M**, Ciocca G, Jannini EA, Siracusano A. Off-label uses of selective serotonin reuptake inhibitors (SSRIs). *Curr Neuropharmacol*. 2021 May 17. doi: 10.2174/1570159X19666210517150418. Epub ahead of print. PMID: 33998993.
10. **Toscano M**, Viganò A, Jannini TB, Ruggiero M, Comanducci A, Di Piero V. Intensity-Dependence of Auditory Evoked Potentials (IDAP) as a Neurophysiological Parameter to Predict Anti-Aggressive Responsiveness to SSRI Treatment. *Front Pharmacol*. 2021 Aug 12;12:716338. doi: 10.3389/fphar.2021.716338. PMID: 34456730; PMCID: PMC8397375.
11. Jannini TB, Ruggiero M, Viganò A, Comanducci A, Maestrini I, Giuliani G, Vicenzini E, Fattapposta F, Pauri F, Ruoppolo G, **Toscano M**, Di Piero V. The role of the Sapienza GLOBal Bedside Evaluation of Swallowing after

- Stroke (GLOBE-3S) in the prevention of stroke-associated pneumonia (SAP). *Neurol Sci.* 2021 Jul 16. doi: 10.1007/s10072-021-05449-y. Epub ahead of print. PMID: 34269936.
12. **Toscano M**, Viganò A, Jannini TB, Ruggiero M, Comanducci A, Di Piero V. Letter to the Editor Regarding "Diagnostic Accuracy of a Bedside Screening Tool for Dysphagia". *J Stroke Cerebrovasc Dis.* 2021 Apr;30(4):105653. doi: 10.1016/j.jstrokecerebrovasdis.2021.105653. Epub 2021 Feb 9. PMID: 33573877.
  13. Mastria G, Viganò A, Corrado A, Mancini V, Pirillo C, Badini S, Petolicchio B, **Toscano M**, Altieri M, Delle Chiaie R, Di Piero V. Chronic Migraine Preventive Treatment by Prefrontal-Occipital Transcranial Direct Current Stimulation (tDCS): A Proof-of-Concept Study on the Effect of Psychiatric Comorbidities. *Front Neurol.* 2021 May 13;12:654900. doi: 10.3389/fneur.2021.654900. PMID: 34079513; PMCID: PMC8166222.
  14. Jannini TB, Di Lorenzo G, Bianciardi E, Niolu C, **Toscano M**, Ciocca G, Jannini EA, Siracusano A. Off-label uses of selective serotonin reuptake inhibitors (SSRIs). *Curr Neuropharmacol.* 2021 May 17. doi: 10.2174/1570159X19666210517150418. Epub ahead of print. PMID: 33998993.
  15. **Toscano M**, Ricci M, Celletti C, Paoloni M, Ruggiero M, Viganò A, Jannini TB, Altarocca A, Liberatore M, Camerota F and Di Piero V (2020) Motor Recovery After Stroke: From a Vespa Scooter Ride Over the Roman Sampietrini to Focal Muscle Vibration (fMV) Treatment. A 99mTc-HMPAO SPECT and Neurophysiological Case Study. *Front. Neurol.* 11:567833. doi: 10.3389/fneur.2020.567833
  16. Maestrini I, **Toscano M**. et al. Habituation study in visual evoked potentials in migraine patients with Ehlers-Danlos syndrome, hypermobility type. *Eur. J. Neu.* 27 (Suppl. 1), 769–1017:861.
  17. Viganò A, Savastano E, Petolicchio B, **Toscano M**, De Sanctis R, Maestrini I, Di Piero V. *Eur Neurol.* A Study of Clinical Features and Risk Factors of Self-Referring Emergency Department Headache Patients: A Comparison with Headache Center Outpatients. 2020;83(1):34-40.
  18. Celletti C, Suppa A, Bianchini E, Lakin S, **Toscano M**, La Torre G, Di Piero V, Camerota F. Promoting post-stroke recovery through focal or whole body vibration: criticisms and prospects from a narrative review. *Neurol Sci.* 2020 Jan;41(1):11-24.
  19. **Toscano M**, Celletti C, Viganò A, Altarocca A, Giuliani G, Jannini TB, Mastria G, Ruggiero M, Maestrini I, Vicenzini E, Altieri M, Camerota F and Di Piero V (2019) Short-Term Effects of Focal Muscle Vibration on Motor Recovery After Acute Stroke: A Pilot Randomized Sham-Controlled Study. *Front. Neurol.* 2019;10:115 1-9. doi: 10.3389/fneur.2019.00115
  20. Viganò A and **Toscano M**, Puledda F, Di Piero V. Treating Chronic Migraine With Neuromodulation: The Role of Neurophysiological Abnormalities and Maladaptive Plasticity. *Front. Pharmacol.* 2019;10:32. doi: 10.3389/fphar.2019.00032.
  21. Mancini V, Mastria G, Frantellizzi V, Troiani P, Zampatti S, Carboni S, Giardina E, Campopiano R, Gambardella S, Turchi F, Petolicchio B, **Toscano M**, Liberatore M, Viganò A, Di Piero V. Migrainous Infarction in a Patient With Sporadic Hemiplegic Migraine and Cystic Fibrosis: A 99mTc-HMPAO Brain SPECT Study. *Headache* 2019;0:1-6.
  22. Bersano A, Bedini G, Nava S, Acerbi F, Sebastiano DR, Binelli S, Franceschetti S, Faragò G, Grisoli M, Gioppo A, Ferroli P, Bruzzone MG, Riva D, Ciceri E, Pantaleoni C, Saletti V, Esposito S, Nardocci N, Zibordi F, Caputi L, Marzoli SB, Zedde ML, Pavanello M, Raso A, Capra V, Pantoni L, Sarti C, Pezzini A, Caria F, Dell' Acqua ML, Zini A, Baracchini C, Farina F, Sanguigni S, De Lodovici ML, Bono G, Capone F, Di Lazzaro V, Lanfranconi S, **Toscano M**, Di Piero V, Sacco S, Carolei A, Toni D, Paciaroni M, Caso V, Perrone P, Calloni MV, Romani A, Cenzato M, Fratianni A, Ciusani E, Prontera P, Lasserre ET, Blecharz K, Vajkoczy P, Parati EA; GEN-O-MA study group. GEN-O-MA project: an Italian network studying clinical course and pathogenic pathways of moyamoya disease-study protocol and preliminary results. *Neurol Sci.* 2019 Jan 3. doi: 10.1007/s10072-018-3664-z.
  23. Mastria G, Mancini V, Viganò A, De Sanctis R, Letteri F, **Toscano M**, Di Piero V. Temporal-occipital glioblastoma presenting with Alice in Wonderland Syndrome in a patient with a long-time history of migraine without aura. *Neurocase.* 2019 Jan 2:1-3. doi: 10.1080/13554794.2018.1562079.

24. **Toscano M**, Viganò A, Rea A, Verzina A, Sasso D'Elia T, Puledda F, Longo L, Mancini V, Ruggiero M, Jannini TB, Giuliani G, Albino F, Altieri M, Vicenzini E, Fattapposta F, Pauri F, Giacomini P, Ruoppolo G, Di Piero V. Sapienza GLOBal Bedside Evaluation of Swallowing after Stroke The GLOBE-3S study. *Eur J Neurol*. 2018 Nov 10. doi: 10.1111/ene.13862.
25. Viganò A, Torrieri MC, **Toscano M**, Puledda F, Petolicchio B, Sasso D'Elia T, Verzina A, Ruggiero S, Altieri M, Vicenzini E, Schoenen J, Di Piero V. Neurophysiological correlates of clinical improvement after greater occipital nerve (GON) block in chronic migraine: relevance for chronic migraine pathophysiology *J Headache Pain*. 2018 20;19(1):73.
26. **Toscano M**, Spadetta G, Pulitano P, Rocco M, Di Piero V, Mecarelli O. Response to: Comment on "Optic Nerve Sheath Diameter Ultrasound Evaluation in Intensive Care Unit: Possible Role and Clinical Aspects in Neurological Critical Patients' Daily Monitoring". *BioMed Research International* 2018.
27. Izzo C, Letteri F, Viganò A, **Toscano M**, Di Piero V, Altieri M, Diomedì M, Elastasonography as an ultrasound tool to characterize and quantify plaque stiffness. *European Journal Of Neurology* 2018. 25, 22-22
28. **Toscano M**, Celletti C, Viganò A, Altarocca A, Giuliani G, Jannini TB, Mastria G, Ruggiero M, Vicenzini E, Altieri M, Camerota F, Di Piero V. Effects of Repeated (focal) Muscle Vibration (rMV) on motor recovery after acute stroke: a pilot randomized sham-controlled study. *CerebrovascularDiseases* 2018. In Press
29. Viganò A, **Toscano M**, Rea A, Verzina A, De Sanctis R, Sasso D'Elia T, Puledda F, Ruggiero M, Jannini TB, Giuliani G, Altieri M, Vicenzini E, Fattapposta F, Pauri F, Ruoppolo G, Di Piero V. The role of detection rate of swallowing impairment in preventing stroke-associated pneumonia: GLOBE-3S and Water Swallow Test. *CerebrovascularDiseases* 2018. In Press.
30. **Toscano M**, Viganò A, Di Piero V. Commentary: Early screening parameters for dysphagia in acute ischemic stroke. *Front Neurol* 2018;9:148.
31. Izzo C, Letteri F, **Toscano M**, Viganò A, Di Piero V, Altieri M, Diomedì M, Vicenzini E. Internal carotid artery occlusion: site and type of occlusion with ultrasound contrast imaging and conventional static radiological imaging. *Eur J Neu* 2018.25;S1:38.
32. Izzo C, Letteri F, Viganò A, **Toscano M**, Di Piero V, Altieri M, Diomedì M, Vicenzini E. Elastasonography as an ultrasound tool to characterize and quantify plaque stiffness. *Eur J Neu* 2018.25;S1:22.
33. **Toscano M**, Giuliani G, Puledda F, Viganò A, Ruggiero M, Jannini TB, Pepe A, Celletti C, Camerota F, Di Piero V, Vicenzini E. TCD and cerebrovascular reactivity in Ehlers-Danlos patients with migraine. *Int J Stroke* 2017;12(suppl 1)38-9.



34. **Toscano M**, Viganò A, Rea A, Verzina A, Albino F, Mastria G, Mancini V, Giuliani G, Jannini TB, Petolicchio B, Ruoppolo G, Di Piero V. GLOBAL Bedside Evaluation afterstroke – the GLOBE-3S study. *CerebrovasDis* 2017;43(suppl 1):127.
35. **Toscano M**, Viganò A, Giuliani G, Spadetta G, Di Piero V, Mecarelli O, Diomedì M, Vicenzini E. Brain Death and decompressive craniectomy: revision of transcranial sonography for cerebral circulatory arrest. *Int J Stroke* 2017;12(suppl 1):29.
36. Giuliani G, **Toscano M**, Puledda F, Viganò A, Ruggiero M, Jannini TB, Celletti C, Camerota F, Vicenzini E, Di Piero V. Cerebral vasoreactivity in migraine patients affected by Ehlers-Danlos Syndromes. *The Journal of Headache and Pain* 2017;18(Suppl1):111.
37. Mastria G, Viganò A, Corrado A, Pirillo C, Mancini V, Badini S, Barbara Petolicchio, **Toscano M**, Delle Chiaie R, Di Piero V. Chronic migraine preventive treatment by prefrontal-occipital transcranial direct current stimulation (TDCS): a pilot study on the effect of psychiatric comorbidities. *The Journal of Headache and Pain* 2017;18(Suppl1):111.
38. Mancini V, Mastria G, **Toscano M**, Turchi F, Petolicchio B, Viganò A, Di Piero V. Migrainous infarction in a patient with Sporadic Hemiplegic Migraine and Cystic Fibrosis *The Journal of Headache and Pain* 2017;18(Suppl1):111.
39. **Toscano M**, Spadetta G, Pulitano P, Rocco M, Di Piero V, Mecarelli O, Vicenzini E. Optic Nerve Sheath Diameter Ultrasound Evaluation in Intensive Care Unit: Possible Role and Clinical Aspects in Neurological Critical Patients' Daily Monitoring. *Biomed Res Int.* 2017;1621428. doi: 10.1155/2017/1621428.
40. **Toscano M** and Di Piero V. "Post-Stroke Dysphagia" in Davis PM "Dysphagia: Complications, Management and Clinical Aspects". Nova Science Publisher 2016, New York. ISBN: 978-1-53610-432-5.
41. **Toscano M**, Viganò A and Di Piero V. "Cortical Evoked Potentials: Migraine, Stroke and Related Psychiatric Complications". In Eisenhower T. "Evoked Potentials (EPs): Clinical Roles, Challenges and Emerging Research." Nova Science Publisher 2017, New York. ISBN: 978-1-53611-089-0
42. **Toscano M**, Vicenzini E, Di Piero V. Comments on "Hemodynamic features of Non-Aneurysmal Subarachnoid Hemorrhage in a case of Familial Moyamoya Disease" after a 4-years Transcranial Doppler Ultrasound follow-up. *Eur Neurol.* 2016;75(3-4):149

43. **Toscano M**, Viganò A, Pieroni A, Mancini V, Mastria G, Di Piero V, Vicenzini E. Internal carotid artery dissection: a 3, 6, 12 months or a lifetime experience? *Clin Neurosci* 2016(sup1):27.
44. **Toscano M**, Viganò A, Puledda F, Mastria G, Mancini V, Petolicchio B, Di Piero V, Vicenzini E. Moyamoya Disease and Subarachnoid Hemorrhage: 4-years Transcranial Doppler Ultrasound follow-up. *Clin Neurosci* 2016(sup1):41-42.
45. Viganò A, **Toscano M**, Petolicchio B, Mastria G, Mancini V, Di Piero V, Vicenzini. Duplex sonography monitoring during anticoagulant therapy in bilateral vertebral dissection: a two cases description *Clin Neurosci* 2016(sup1):27-28.
46. **Toscano M**, Viganò A, Pulitano P, Mecarelli O, Vicenzini. E TCD guided decisions in Intensive Care Units: intracranial hypertension, decompressive craniectomy and brain death. *Clin Neurosci* 2016(sup1):49-50.
47. **Toscano M**, Vicenzini E, Di Piero V. Letter by Toscano et al. Regarding Article, "Association of Leukoaraiosis with convalescent rehabilitation outcome in patients with ischemic stroke". *Stroke*. 2016 Apr;47(4):e72
48. Petolicchio B, Viganò A, Di Biase A, Tatulli D, **Toscano M** et al. Cerebral venous hemodynamic abnormalities in episodic and chronic migraine. *Funct Neurol*. 2016 Apr-Jun;31(2).
49. **Toscano M**, Cecconi E, Capiluppi E, Viganò A, Bertora P, Campiglio L, Mariani C, Petolicchio B, Sasso D'Elia T, Verzina A, Vicenzini E, Fiorelli M, Cislighi G, Di Piero V. Neuroanatomical, clinical and cognitive correlates of post-stroke dysphagia. *Eur Neurol*. 2015;74(3-4):171-7.
50. Petolicchio B, **Toscano M**, Squitieri M, Viganò A, Vicenzini E, Di Piero V. An Italian study on the actual cost/benefit of onabotulinumtoxin A (BT-A) in chronic migraine: preliminary results *The Journal of Headache and Pain* 2015;16(Suppl 1):48-49
51. Petolicchio B, Squitieri M, Viganò A, **Toscano M**, Sirilli A, Aielli S, Psychodynamic functioning in chronic headache patients: a short term psychodynamic psychotherapy (STPP) study *The Journal of Headache and Pain* 2015;16(Suppl 1):45
52. Puledda F and **Toscano M**, Pieroni A, Veneroso G, Di Piero V, Vicenzini E. Right-to-Left Shunt detection sensitivity with air-saline and air-succinylgelatin Transcranial Doppler. *International journal of Stroke* 2016;11(2):229-38
53. **Toscano M**, Puledda F, Spadetta G, Rocco M, Pulitano P, Di Piero V, Mecarelli O, Vicenzini E. Optic Nerve Sheath Diameter ultrasound evaluation in Intensive Care Units for Brain Death diagnosis. *Cerebrovasc Dis* 2015;39(suppl 1):27
54. Puledda F, Viganò A, Celletti C, Petolicchio B, **Toscano M**, Vicenzini E, Castori M, Laudani G, Valente D and 2 more. A study of migraine characteristics in joint hypermobility syndrome a.k.a. Ehlers–Danlos syndrome, hypermobility type. *Neurol. Sci.* 2015 36(8):1417-1424.

55. Puledda F, Vigano A, **Toscano M**, Sasso D'Elia T, Verzina A, Vicenzini E, Di Piero V. Neurophysiological aspects of ehlers-danlos hypermobility type patients affected by episodic migraine: a VEP/AEP study. *Cephalalgia* 2015;35(65):235.
56. Pieroni A, Puledda F, **Toscano M**, Davì L, Pulitano P, Di Piero V, Mecarelli O, Vicenzini E. Internal carotid artery dysgenesis and altered vasomotor reactivity as a potential trigger of epileptic seizure: functional TCD and EEG coregistration. *Cerebrovasc Dis* 2015;39(suppl 1):33.
57. Puledda F, **Toscano M**, Pieroni A, Veneroso G\*, Di Piero V, Vicenzini E. Right-to-Left Shunt detection sensitivity with Transcranial Doppler and saline or succinil-gelatin air mixture. *Cerebrovasc Dis* 2015;39(suppl 1):17.
58. Pieroni A, **Toscano M**, Guidetti G, Falcou A, Toni D, Vicenzini E. Uselessness of extracranial cervical vessel sacrifice with endovascular coils positioning in 2 cases with internal carotid and vertebral artery progressive dissections. *Cerebrovasc Dis* 2015;39(suppl 1):20.
59. **Toscano M** et al. Serotonergic correlation with anger and aggressive behavior in acute stroke patients: an Intensity Dependence of Auditory evoked Potentials (IDAP) study. *Eur Neurol* 2014;72(3-4):186-92.
60. **Toscano M**, Puledda F et al. Hemodynamic features of Non-Aneurysmal Subarachnoid Hemorrhage in a case of familial Moyamoya Disease: a transcranial doppler ultrasound study. *Eur Neurol* 2014 Oct 14;72(5-6):330-332.
61. Buonfiglio M, **Toscano M** et al. Lack of habituation of evoked visual potentials in analytic information processing style: evidence in healthy subjects. *Neurol Sci* 2014;36(3):391-5.
62. **Toscano M**, Viganò A et al. Serotonergic correlation with anger and aggressive behaviour in acute stroke patients: an Intensity Dependence of Auditory evoked Potentials (IDAP) study. *Cerebrovasc Dis* 2013;35(Suppl 3):190.
63. Vicenzini E, Petolicchio B, **Toscano M** et al. Cardioembolic stroke: protective effect of a severe internal carotid artery stenosis in a patient with cardiac embolism. *J Clin Ultrasound* 2013 Nov-Dic 41;(Suppl 1)22-7.
64. **Toscano M**, Puledda F, Guidetti G, Lenzi GL, Di Piero V, Vicenzini E. A rare case of familiar Moyamoya disease presenting with Non-Aneurysmal Subarachnoid Hemorrhage (NASAH): hemodynamic features. *Cerebrovasc Dis* 2013;35(Suppl 2):31-2.

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