

MASSIMILIANO TOSCANO

CURRICULUM VITAE ET STUDIORUM

**Personal
details**

Name TOSCANO Massimiliano

Birth 25/06/1979

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 International certification in Neurosonology awarded

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 European Stroke Summer School awarded

Institution European Stroke Organization

Date 2005

Title Medical Degree

Votation summa cum laude

Institution "Sapienza" – University of Rome

Date 2004

Qualification Board of qualification in Stroke awarded

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 - present

Work Position Consultant Neurologist

Institution "Sapienza" - Università di Roma

Department of Neurology and Psychiatry

Stroke Unit and Headache Clinic

Date 2015 -2018

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 - Surgical Division, Policlinico Umberto I - Rome

Date 2005

Work Position Clerkship
Institution Emergency Department - Medical Division, Policlinico Umberto I - Rome

Date 2005

Work Position Clerkship
Institution Medical Ward - Dt. Giovannetti - Tivoli (Rome)

Date 2002-2005

Work Position Clerkship
Institution "Sapienza" - University of Rome

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

Guest Editor: PLoS One

Reviewer: European Journal of Neurology
PLoS One
Neuroscience Letters
Scientific Reports

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. **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
2. Maestrini I, **Toscano M**, et al. Habituation study in visual evoked potentials in migraine patients with EhlersDanlos syndrome, hypermobility type. *Eur. J. Neu.* 27 (Suppl. 1), 769–1017:861.
3. 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.
4. 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.
5. **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
6. 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.
7. 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.
8. 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. GENO-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.
9. 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.

10. **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.
11. 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.
12. **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.
13. Izzo C, Letteri F, Viganò A, **Toscano M**, Di Piero V, Altieri M, Diomedes M, Elastasonography as an ultrasound tool to characterize and quantify plaque stiffness. *European Journal Of Neurology* 2018. 25, 22-22
14. **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
15. 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.
16. **Toscano M**, Viganò A, Di Piero V. Commentary: Early screening parameters for dysphagia in acute ischemic stroke. *Front Neurol* 2018;9:148.
17. Izzo C, Letteri F, **Toscano M**, Viganò A, Di Piero V, Altieri M, Diomedes 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.
18. Izzo C, Letteri F, Viganò A, **Toscano M**, Di Piero V, Altieri M, Diomedes M, Vicenzini E. Elastasonography as an ultrasound tool to characterize and quantify plaque stiffness. *Eur J Neu* 2018.25;S1:22.
19. **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.
20. **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 after stroke – the GLOBE-3S study. *CerebrovasDis* 2017_43(suppl 1):127.
21. **Toscano M**, Viganò A, Giuliani G, Spadetta G, Di Piero V, Mecarelli O, Diomedes M, Vicenzini E. Brain Death and decompressive craniectomy: revision of transcranial sonography for cerebral circulatory arrest. *Int J Stroke* 2017;12(suppl 1)29.
22. 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.
23. 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.

24. 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.
25. **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.
26. **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.
27. **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
28. **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 followup. *Eur Neurol.* 2016;75(3-4):149
29. **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.
30. **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.
31. 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.
32. **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.
33. **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
34. 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).
35. **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.
36. 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
37. 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

38. 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-succinilgelatin Transcranial Doppler. *International journal of Stroke* 2016;11(2):229-38
39. **Toscano M**, Puledda F, Spadetta G, Rocco M, Pulitano P, Di Piero V, Mecarelli O, Vicenzini E. OpticNerveSheathDiameterultrasoundevaluation in Intensive Care Units for Brain Death diagnosis. *CerebrovascDis* 2015;39(suppl 1):27
40. 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.
41. Puledda F, Viganò 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.
42. 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.
43. 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.
44. 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.
45. **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.
46. **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.
47. 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.
48. **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. *CerebrovascDis* 2013;35(Suppl 3):190.
49. 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-Dic41;(Suppl 1)22-7.
50. **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.
51. Vicenzini E, **Toscano M** et al. Predictors and timing of recanalization in intracranial carotid artery and siphon dissection: an ultrasound follow-up study. *CerebrovascDis* 2013;35:476-482.
52. **Co-Author** in Lenzi GL, Di Piero V, Padovani A. *Compendio di Neurologia* –Ed Piccin 2013
53. Vicenzini E, **Toscano M** et al. Intracranial internal carotid artery dissection: characteristics of early ultrasound diagnosis, follow-up and early predictors of recanalization with ultrasound contrast agents. *Cerebrovasc Dis* 2013;35(Suppl 2)76.

54. Puledda F, **Toscano M** et al. A TCD" misleading vasospasm" in a rare case of familiar Moyamoya Disease presenting with Non-Aneurysmal Subarachnoid Hemorrhage (NASAH). *Cerebrovasc Dis* 2013;35(Suppl 3)607.
55. **Toscano M**, Cecconi E et al. Neuroanatomical, clinical and cognitive correlates of post-stroke dysphagia: the role of leukoaraiosis. *Eur J Neurol* 2012;19 (Suppl. 1):486.
56. **Co-Autore** in Meairs S et al. *New Trends in Neurosonology and Cerebral Hemodynamics - an Update. - Ch 1: Advances in Neurosonology–Brain Perfusion, Sonothrombolysis, Plaque Perfusion.* Elsevier 2012
57. Vicenzini E, Giannoni MF, Ricciardi MC, Sirimarco G, **Toscano M** et al. A horse, a horse, my kingdom for a horse"– Saddle thrombosis of carotid bifurcation in acute stroke. *Perspectives in Medicine* 2012;1:435-439.
58. Vicenzini E, Giannoni MF, Ricciardi MC, Sirimarco G, **Toscano M** et al. Imaging of plaque perfusion using contrast-enhanced ultrasound–Clinical significance. *Perspectives in Medicine* 2012;1:44-50.
59. **Co-Autore** in Negri M. *Strumenti di Medicina Interna. Terapia medica.* Utet ed. 2012. [Italian]
60. Cecconi E, Campiglio L, **Toscano M** et al. Leukoaraiosis and stroke severity as independent predictors of acute post-stroke dysphagia. *Eur J Neurol* 2011 18(Suppl 2)38.
61. **Toscano M**, Canevelli M, Giacomelli E et al. Transcranial sonography of basal ganglia calcification in Fahr Disease. *J Ultrasoundmed* 2011;30(7):1030-1036.
62. Cecconi E, Campiglio L, **Toscano M** et al. Leukoaraiosis and stroke severity as independent predictors of acute post-stroke dysphagia. *CerebrovascDis* 2011 31(Suppl 2)83-84.
63. Vicenzini E, Giannoni MF, Ricciardi MC, **Toscano M** et al. Non-invasive imaging of carotid arteries in stroke emerging value of real-time high-resolution sonography in carotid occlusion due to cardiac embolism. *Journal of Ultrasound in Medicine* 2010; 29(11): 1635-1641.
64. Cecconi E, Palumbo M, Suardelli M, Di Clemente L, **Toscano M** et al. Post-stroke dysphagia: clinical, cognitive and neuroanatomical correlates. *Cerebrovasc Dis* 2010;29(suppl 2):844.
65. Cecconi E, Troisi P, **Toscano M** et al. Ischemic stroke in a patient with ulcerative colitis and anticardiolipinantibodies. *Cerebrovasc Dis* 2010;29(Suppl 2):92.
66. Sciotto F, Altieri M, Di Piero V, Gasparini M, Vicenzini E, Maestrini I, Petolicchio B, **Toscano M**, Viganò A, Lenzi GL. Cognitive-Impairment-No-Dementia (CIND) after stroke: a 4-year follow-up study. *CerebrovascDis* 2008;25(Suppl 2):1–192.
67. Sciotto F, Altieri M, Maestrini I, Petolicchio B, **Toscano M** et al. Demenza post-stroke: studio su un follow-up di 6 anni in pazienti con malattia cerebrovascolare. *Il Giornale dello Stroke – anno 6, numero 3.*
68. Maestrini I, Altieri M, Petolicchio B, **Toscano M** et al. Chiusura di PFO tramite cateterismo percutaneo: followup di due anni di un caso clinico. *Il Giornale dello Stroke – anno 6, numero 3.*
69. Rocco A, Afra J, **Toscano M** et al. Acute subcortical stroke and early serotonergic modification: an IDAP study. *European Journal of Neurology* 2007;14:1378-1382.
70. Caranci G, Ferracuti S, Di Sabato F, **Toscano M** et al. Personality and mood disorders in Episodic Cluster Headache. *The Journal of Headache and Pain* 2007;8(Suppl)55.

71. **Toscano M**, un caso di difficile classificazione in un paziente con emicrania e disturbi dell'umore. *Epilepsy News* 2007; 9: (3).
72. Altieri M, Mercurio A, Di Clemente L, Petolicchio B, **Toscano M**, Di piero V. Barotrauma and trigeminal neuralgia: a case report. *The Journal of Headache and Pain* 2007;8(Supplement):S50
73. Maestrini I, Altieri M, **Toscano M** et al. Post-stroke depressive symptoms in minor stroke: a 36-month followup. *Eur J Neurol* 2007;14(suppl1):96.
74. Lenzi GL, Sirimarco G, **Toscano M** et al. Death of the late comers: how, when, why. *Eur J Neurol* 2007;14(suppl1):4.
75. Lenzi GL, Maestrini I, Altieri M, **Toscano M** et al. Fisiopatologia della depressione nelle malattie cerebrovascolari. *Il Giornale dello Stroke* 2007 Apr 1. [Italian]
76. **Toscano M** et al. Alterazione del tono serotoninergico nella fase acuta dell'ictus e incapacità a controllare rabbia e aggressività (ICAA) uno studio mediante potenziali evocati acustici (IDAP). *Il Giornale dello Stroke* 2007 Apr 1. [Italian]
77. Mercurio A, **Toscano M** et al. Un caso di occlusione acuta traumatica del seno sagittale superiore. *Il Giornale dello Stroke* 2007 Apr 1. [Italian]
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