

## **CURRICULUM VITAE**

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Date of birth March 3<sup>rd</sup> 1973  
Place of birth Padova (Italy)  
Conjugal state Married (with two children)  
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**POSITION** Lecturer in Neurology, University of Verona (2006 to present).

### **EDUCATION**

High school Liceo Classico "Tito Livio", Padova 1986-1991

Medical School University of Padova Medical School (1991-1993) and University of  
Verona Medical School (1993-1997)  
M.D. Degree summa cum laude, July 10<sup>th</sup> 1997

Research Internship: Institute of General Pathology University of Verona Medical School  
(1993-1994)  
Laboratory of Neuropathology, University of Verona Medical School (1995-1997)

Clinical Internship: Department of Internal Medicine, University of Verona Medical  
School (1994-1995)  
Institute of Neurology, University of Verona Medical School (1995-1997)

Residency Section of Clinical Neurology, Department of Neurological and Visual  
Sciences, University of Verona Medical School (1997-2001)

PhD Section of Clinical Neurology, Department of Neurological and Visual Sciences, University of  
Verona Medical School, 2002-2005.

Research Fellowship Section of Clinical Neurology, Department of Neurological and Visual  
Sciences, University of Verona Medical School (2001 to 2005)

Stroke Prevention Research Unit, Department of Clinical Neurology,  
Oxford University (2002-2003)

Vascular Laboratory of the Neurological Department, Sant'Orsola Hospital, Brescia, Italy  
(2003 to present).

Vascular Laboratory, Neurology Department, Giessen and Marburg University, Giessen,  
Germany (2008).

### **CERTIFICATIONS**

MD State license examination (1998)

Board in Neurology (December 19<sup>th</sup> 2001)

PhD in Neurological Sciences (April 25<sup>th</sup> 2006).

### **CLINICAL EXPERIENCE**

In charge of the **Neurosonology laboratory** of the Section of Clinical Neurology, Department of Neurological, Neuropsychological, Morphological and Movement Sciences, University of Verona Medical School (2002 to present)

Clinical neurologist at the outpatients clinic of the territorial health office in Verona (2002)

**Clinical neurologist** at the Neurology Department of Verona Hospital (Ospedale Civile Maggiore di Borgo Trento, Verona, 2005-2006)

**Clinical neurologist** at the Section of Clinical Neurology, Department of Neurological and Visual Sciences, University of Verona Medical School, since January the 1<sup>st</sup> 2007)

## **SCIENTIFIC COLLABORATIONS**

Stroke Prevention Research Unit, Department of Clinical Neurology, Oxford University, UK.

Neurology Service Sant'Orsola Hospital, Brescia, Italy.

Research Institute San Giovanni di Dio FBF, Brescia, Italy.

Department of Biomedical and Surgical Sciences, section of Endocrinology, Verona University.

Stroke Unit, Neurology Department, Verona Hospital, Italy.

Department of Cardiology for the "PFO inter-department project", Verona Hospital, Italy.

Neurology Department, Giessen and Marburg University, Giessen, Germany.

## **TEACHING**

Neurosonology, Neurology board of University of Verona (2005 to present)

Neurology, University of Verona Medical school(2005 to present)

Neurology, Physical and Rehabilitation Medicine board of University of Verona (2006 to present)

## **RESEARCH INTERESTS**

Study of endothelial function in cerebral arteries, as an application of flow-mediated vasodilation to cerebral circulation.

TCD in mild cognitive impairment.

Cerebral arteries dissection.

Migraine and PFO

Stroke and PFO

CADASIL and possible comorbidity factors. Relation between CADASIL and migraine; relation between CADASIL, migraine and PFO.

Antipsychotics and cerebrovascular events.

Symptomatic plaque genetical, histopathological and imaging characteristics  
Stroke in the young

Neurological complications of Hereditary Haemorrhagic Teleangiectasia

Neurological complications of paediatric Sickle Cell Disease

## POST-GRADUATE COURSES

*Updates in Clinical Neurology*, Unit of Clinical Neurophysiology, S. Raffaele Hospital, Milano, March 13<sup>th</sup>-27<sup>th</sup> 1998

*First post-graduate course of Clinical Immunology*, University of Verona, November 5<sup>th</sup> 1998 - April 15<sup>th</sup> 1999

**Course of Transcranial Doppler**, Department of Internal Medicine, S. Maria Nuova, Florence, January the 11<sup>th</sup>-12<sup>th</sup> 2000

*Course on Multiple Sclerosis*, MS Clinic of Ottawa Hospital, Ontario, Canada, April 14<sup>th</sup>-20<sup>th</sup> 2000

**Fifth course on Cerebrovascular Pathology**, Società Interdisciplinare Neurovascolare Italiana, Padova and Bologna, June 3<sup>rd</sup>-July 7<sup>th</sup> 2000.

*IV EUSI Stroke Summer School*, Rome, July 17<sup>th</sup>-22<sup>nd</sup> 2000

Programme of training for **TCD screening of children with sickle cell disease**: stage I of the TCD training course (SCD introduction, background and practical instruction in TCD, 17<sup>th</sup>-18<sup>th</sup> May 2010), held by Dr. Soundrie Padayachee.

## SCIENTIFIC SOCIETIES

Italian Society of Neurology (2004 – to present)

European Society of Neurosonology and Cerebral Haemodynamic (2005 – to present)

Italian Society of Neurosonology and Cerebral Hemodynamic (Scientific Board) (2009 – to present).

## PUBLICATIONS

Ferronato S, Gomez Lira M, Olivato S, Scuro A, Veraldi GF, Romanelli MG, Patuzzo C, Malerba G, Pignatti PF, Mazzucco S. Upregulated expression of toll-like receptor 4 in peripheral blood of ischemic stroke patients correlates with cyclooxygenase 2 expression. *European Journal of Vascular and Endovascular Surgery* 2001; 41:358-63.

Anzola GP, Galluzzi S, Mazzucco S, Frisoni GB. Autonomic dysfunction in mild cognitive impairment: a transcranial Doppler study. Submitted to *Acta Neurologica Scandinavica*, accepted for publication January 7, 2011, *in press*.

Deluca C, Moretto G, Di Matteo A, Cappellari M, Basile A, Bonifati DM, Mesiano T, Baracchini C, Meneghetti G, Mazzucco S, Ottina M, Lochner P, Tonon A, Bonometti MA, De Boni A, Turinese E, Freddi N, Adami A, Pizzini F, Defazio G, Tomelleri G, Bovi P, Fiaschi A, Tinazzi M. Ataxia in posterior circulation stroke: Clinical–MRI correlations. *Journal of the Neurological Sciences*, 2011; 300: 39–46.

Rossato G, Adami A, Thijs VN, Cerini R, Pozzi-Mucelli R, Mazzucco S, Anzola GP, Del Sette M, Dinia L, Meneghetti G, Zanferrari G, on behalf of the SAM study group. Cerebral distribution of white matter lesions in migraine with aura patients, *Cephalalgia*, 2010; 30:855-9.

Gallione C, Aylsworth AS, Beis J, Berk T, Bernhardt B, Clark RD, Clericuzio C, Danesino C, Drautz J, Fahl J, Fan Z, Faughnan M, Ganguly A, Garvie J, Henderson K, Kini U, Leedom T, Ludman M,

Lux A, Maisenbacher M, Mazzucco S, Olivieri C, Ploos van Amstel JK, Prigoda-Lee N, Pyeritz RE, Reardon W, Vandezande K, Waldman JD, White RI, Jr., Williams CA, and Marchuk D. Overlapping Spectra of SMAD4 Mutations in Juvenile Polyposis (JP) and JP-HHT Syndrome. *American Journal of Medical Genetics A*, 2010; 152A:333-9.

Mazzucco S, Bifari F, Trombetta M, Guidi GC, Mazzi M, Anzola GP, Rizzuto N, Bonadonna N. Evaluating endothelial function of common carotid artery: an *in vivo* human model. *Nutrition, Metabolism & Cardiovascular Diseases*, 2009; 19:205-210.

Mazzucco S, Anzola GP, Rizzuto N. Methodological issues in right-to-left shunt detection in CADASIL patients. Letter to the Editor. *Stroke*. 2009;40:e509

Mazzucco S, Anzola GP, Ferrarini M, Taioli F, Olivato S, Burlina AP, Fabrizi GM, Rizzuto N. Cerebral Autosomal Dominant Arteriopathy with Subcortical Infarcts and Leucoencephalopathy and Right-to-Left Shunt: Lack of Evidence for an Association in a Prevalence Study. *European Neurology*. 2008; 61:46-49.

Mazzucco S, Anzola GP, Rizzuto N. Right-to-Left Shunt in CADASIL Patients: A Comorbidity Factor? Letter to the Editor. *Stroke*. 2008; 39:e150.

Bersano A, Ballabio E, Lanfranconi S, Mazzucco S, Candelise L, Monaco S. Statin and stroke. *Current Medicinal Chemistry* 2008;15(23):2380-92.

Mazzucco S, Cipriani A, Barbui C, Monaco S. Antipsychotic drugs and cerebrovascular events in the elderly: a systematic review. *Mini Rev Med Chem*. 2008:776-83.

Adami A, Rossato G, Cerini R, Thijs VN, Pozzi-Mucelli R, Anzola GP, Del Sette M, Finocchi C, Meneghetti G, Zanferrari C; SAM Study Group. Right-to-left shunt does not increase white matter lesion load in migraine with aura patients. *Neurology* 2008 ;71:101-7.

Tomelleri G, Bovi P, Carletti M, Mazzucco S, Bazzoli E, Casilli F, Onorato E, Moretto G. Paradoxical brain embolism in a young man with isolated pulmonary arteriovenous fistula. *Neurol Sci*. 2008 29:169-71.

Anzola GP, Mazzucco S. The patent foramen ovale-migraine connection: a new perspective to demonstrate a causal relation. *Neurol Sci*. 2008;29 Suppl 1:S15-8.

Mazzucco S, Redgrave JN, Schulz UG, Flossmann E, Rothwell PM. Asymptomatic recurrent cerebral ischaemic lesions on DWI in the subacute and chronic phase after TIA or minor ischaemic stroke. *Cerebrovascular Diseases* 2007; 24: 133-135.

Mazzucco S, Ferrari S, Mezzina C, Tomelleri G, Rizzuto N "Hyperpyrexia-triggered relapses in an unusual case of ataxic Chronic Inflammatory Demyelinating Polyradiculoneuropathy." *Neurological Sciences*, 2006; 27: 176-179.

Mazzucco S, Anzola GP. Patent foramen ovale in young adults with unexplained stroke. Letter to the Editor. *New England Journal of Medicine*, 2006; 354:1753-5.

Monaco S, Zanusso G, Mazzucco S, Rizzuto N. Cerebral amyloidoses: molecular pathways and therapeutic challenges. *Current Medicinal Chemistry*. 2006;13:1903-13.

Mazzucco S, Rizzuto N. Horner syndrome due to internal carotid artery dissection. *Neurology* 2006;66:E19.

Mazzucco S, Cipriani A, Lintas C, Barbui C. Effect of antipsychotic drugs on cerebrovascular morbidity and mortality: a systematic review. *Current Drug Therapy*, 2006, 1:1-8.

Valdo P, Stegagno C, Mazzucco S, Zuliani E, Zanusso GL, Moretto G, Raine CS, Bonetti B. Enhanced Expression of NGF Receptor in Multiple Sclerosis Lesions. *Journal of Neuropathology and Experimental Neurology* 2002;61(1):91-98.