

GIOSUE' GULLI MD, PhD

Date and place of birth: 19/01/1970, Trento, Italy (Italian citizen)

Present employment: Consultant in Neurology. Stroke Unit of the Civil Hospital of Verona,
Department of Neurology. Clinical Director: Dr G. Moretto

1. University studies, postgraduate education and previous employments

October 1990 to July 1996

Medicine degree **Mark: 105/110 + MD qualification**. Date of award: 11/7/1996

University of Verona, Italy

October 1996 to October 2000

Ph.D., Cardiovascular Physiology. Date of award: 1/4/2001

University of Verona, Italy. Supervisor: Prof A. Cevese.

8 months as Assistant Researcher by the Institute of Cardiovascular Research, University of Leeds, Leeds (UK). Supervisor: Prof. Roger Hainsworth

Topic: Autonomic cardiovascular control: basic research and application in the study of syncope.

January 2001 to November 2006

Higher Specialist Training in Neurology. **Mark: 50/50 cum Laude**. Date of award: 9/11/2006

University of Verona, Italy

➤ From January 2001 to May 2003

Specialist training as honorary Assistenzarzt (Registrar) in the Department of Neurology, University of Erlangen-Nuremberg. Clinical Director: Prof. B. Neundorfer.

➤ From June 2003 to April 2005

Specialist training as honorary Registrar in the Department of Neurology, St. James Hospital, Leeds. Clinical Director: Dr. J.M. Bamford.

➤ From June 2005 to November 2006

Specialist Training in the Clinic of Neurology, University of Verona. Clinical Director: Prof. N. Rizzuto

➤ December 2006 to September 2007

Junior Consultant in the Department of Internal Medicine, Stroke Unit, Regional Hospital of Bolzano, Italy. Director: Dr. M. Marchesi

➤ September 2007 to October 2008

Clinical Research Fellow (+honorary Registrar), Department of Neuroscience, St George's Medical School, London. Supervisor: Prof H. Markus

2. Theses

M.D. Thesis: "Study of the spontaneous oscillations in the cardiovascular system by means of betha-blockade"
Supervisor: Prof Cevese Antonio. Department of Neurological sciences and vision, section of Physiology, Verona University

PhD Thesis: (translated from Italian): “Study of the spontaneous oscillations in the cardiovascular system. Basic research and application in the study of the syncope.”

Supervisor: Prof. Cevese Antonio

Higher Specialist Training Essay: “Effects of repetitive transcranial magnetic stimulation on the autonomic control of the cardiovascular function”

Supervisor: Prof. Nicolò Rizzuto

3. Other research experiences

March 2005. Research Expedition in Ethiopia for the evaluation of autonomic function and cerebral blood flow regulation in high altitude dwellers. Coordinators: Prof R. Hainsworth and Prof O. Appenzeller

4. Invited lectures/oral communications

“Spectral and cross-spectral analysis of cardiovascular parameters for the assessment of autonomic function in health and disease.” June 2000. School for Higher Specialist Training in Internal Medicine, Ospedale Sant’Eugenio, Università Tor Vergata, Roma, Italy.

“Spontaneous oscillations in the cardiovascular system. Physiological aspects and clinical applications.” June 2001. Cebism (Centre for Bio engineering and Motor Sciences), University of Trento-Verona-Brescia, Rovereto, Italy.

Gulli G, Claydon VE, Slessarev M, Appenzeller O, Haisworth R. Orthostatic tolerance and baroreflex function in Ethiopian high-altitude dwellers. Mountain and sport (Rovereto Italy, November 2005).

Teaching lecture “stroke sub-typing” to the research staff of the UK Stroke Research Network in Southern London. St George’s University of London. November 2007.

5. Special interests

I have developed special interests in Stroke Medicine, Autonomic control of Cardiovascular Function and cerebral blood flow autoregulation in health and disease.

6. Other scientific activities

Active reviewer of peer reviewed scientific journals (i.f. 13; 2,5; 5,5; 1,2). Names of these journals are not reported for confidentiality.

7. List of publications

1. Grasso, R., Schena, F., Gulli, G., and Cevese, A. Does low-frequency variability of heart period reflect a specific parasympathetic mechanism?, **J.Autonom.Nerv.Syst.** 63: 30-38, 1997.

2. Cevese, A., Gulli, G., Polati, E., Gottin, L., and Grasso, R. The baroreflex and the oscillation of heart period at 0.1 Hz studied by a-blockade and cross-spectral analysis in healthy humans, **J.Physiol.(Lond)**. 531: 235-244, 2001.
3. Gulli, G., Wight, V. L., Hainsworth, R., and Cevese, A. Spectral and cross-spectral autoregressive analysis of cardiovascular variables in subjects with different degrees of orthostatic tolerance, **Clin.Auton.Res**. 11: 19-27, 2001.
4. Terziotti, P., Schena, F., Gulli, G., and Cevese, A. Post-exercise recovery of autonomic cardiovascular control: a study by spectral and cross-spectral analysis in humans, **Eur.J.Appl.Physiol**. 84: 187-194, 2001.
5. Gulli, G., Cemin, R., Pancera, P., Menegatti, G., Vassanelli, C., and Cevese, A. Evidence of parasympathetic impairment in patients with cardiac syndrome X, **Cardiovasc.Res.**, 2001.
6. Giosuè Gulli, Victoria Louise Cooper, Victoria Claydon, Roger Hainsworth. Cross-spectral analysis of cardiovascular parameters whilst supine may identify subjects with poor orthostatic tolerance. **Clin Sci (Lond)**. 2003 Jul;105(1):119-26.
7. Gulli, G., Cevese, A., Cappelletto, P., Gasparini, G., Schena, F. Moderate aerobic training improves autonomic cardiovascular control in older women. **Clin Auton Res**. 2003 Jun;13(3):196-202.
8. Gulli G, Cooper VL, Claydon VE, Hainsworth R. Prolonged latency in the baroreflex mediated vascular resistance response in subjects with postural related syncope. **Clin Auton Res**. 2005 Jun;15(3):207-12.
9. Gulli G, Fattor B, Marchesi M. Cross-spectral analysis of cardiovascular variables in supine diabetic patients. **Clin Auton Res**. 2005 Apr;15(2):92-8.
10. Gulli G, Cooper VL, Claydon VE, Hainsworth R. R-R interval-blood pressure interaction in subjects with different tolerances to orthostatic stress. **Exp Physiol**. 2005 May;90(3):367-75. Epub 2005 Jan 21.
11. Appenzeller O, Claydon VE, Qualls C, Slessarev M, Gulli G, Zenebe G, Hainsworth R. Cerebral Vasodilatation to Exogenous Nitric Oxide; a Marker of Fitness for Human Life at Altitude. **Stroke** 2006;37:1754-1758
12. Gulli G, Claydon VE, Slessarev M, Zenebe G, Gebremedhin A, Rivera-Ch M, Appenzeller O, Hainsworth R. Autonomic regulation to orthostatic stress in Highlanders. Comparison with sea-level residents. **Exp Phys** Mar;92(2):427-35
13. Claydon VE, Gulli G, Slessarev M, Appenzeller O, Zenebe G, Gebremedhin A, Hainsworth R. Cerebrovascular responses to hypoxia and hypocapnia in Ethiopian high altitude Dwellers. **Stroke**; 2008 Feb;39(2):336-42
14. Gulli G, Khan S, Markus HS. Vertebrobasilar Stenosis Predicts High Early Recurrent Stroke Risk in Posterior Circulation Stroke and TIA. **Stroke**; 2009 Aug;40(8):2732-7.