

BIOGRAPHICAL SKETCH
Complete for each professional associated with the project

Name: [Pietro O.L. Annovazzi, MD

Neurologist

Education

[Begin with baccalaureate or other professional education and include postdoctoral training]

Institution and Location	Degree	Year Conferred	Field of Study
Università Vita-Salute San Raffaele, Milano	Medical Doctor	2002	Medicine
Università Vita-Salute San Raffaele, Milano	Postgraduation in Neurology	2007	Neurology
Italian National Association for Research on Headache (ANIRCAF)	Master in diagnosis and management of Headaches	2007	Neurology

Research and Professional Experience

[List in chronological order, previous employment, experience and honors]

Dr. Pietro Annovazzi was born in Milan on Jul 21st 1977. He graduated in medicine in 2002 at Vita-Salute San Raffaele University in Milano, where he was a resident in Neurology until 2007. During his residency, he focused in Multiple Sclerosis diagnosis and treatment, and performed clinical research in such field, as well as in neurophysiology and collaborated with the headache and neuropathic pain unit.

In 2007 he moved to his current working place: Multiple Sclerosis Study Center in Gallarate Hospital. There he further specialised in clinical research in the field of demyelinating diseases, with a focus on biostatistics, publishing several papers on post-marketing safety and efficacy evaluation of drugs. He is also involved in studies in paediatric MS and studies evaluating the impact of pregnancy on inflammatory central nervous system diseases; he serves as the national coordinator for Italy of the Alemtuzumab and Teriflunomide pregnancy registry.

He is member of the MS Study Group of the Italian Neurological Society, and is certified with ANIRCEF-ASC Master in diagnosis and management of Headaches.

Nato a Milano il 21/7/1977. Si è laureato in medicina nel 2002 all'Università Vita-Salute dell'Ospedale San Raffaele di Milano, dove ha conseguito la specializzazione in Neurologia nel 2007. Durante la formazione si è occupato principalmente di diagnosi e terapia della Sclerosi Multipla, e ha svolto ricerca clinica in tale settore, ma anche in ambito neurofisiologico e nel contesto del Centro Cefalee e terapia del dolore neuropatico.

Nel 2007 ha iniziato a lavorare presso il Centro Studi Sclerosi Multipla dell'Ospedale di Gallarate, dove tuttora è dirigente medico. A Gallarate ha ulteriormente approfondito l'esperienza di ricerca clinica, con un interesse particolare in biostatistica: ha pubblicato numerosi studi sulla valutazione post-marketing del profilo di efficacia e sicurezza di svariati farmaci. Si occupa anche di studi in merito alle forme pediatriche di Sclerosi Multipla e all'impatto della gravidanza sulle malattie infiammatorie del sistema nervoso centrale; in tale contesto è Coordinatore Nazionale per l'Italia dei registri di gravidanza per Alemtuzumab e Teriflunomide.

È membro del Gruppo di Studio sulla Sclerosi Multipla della Società Italiana di Neurologia e ha ottenuto la certificazione Master ANIRCEF-ASC in diagnosi e cura delle cefalee.

Publications

For each investigator, provide complete bibliographic citations for selected **publications related to the topic of this application**. DO NOT exceed one page for each individual.

- Annovazzi P, Capobianco M, Moiola L, Patti F, Frau J, et al. Rituximab in the treatment of Neuromyelitis optica: a multicentre Italian observational study. *J Neurol*. 2016 Sep;263(9):1727-35.
- Baroncini D, Ghezzi A, Annovazzi P, Colombo B, Martinelli V, et al. Natalizumab versus fingolimod in patients with relapsing-remitting multiple sclerosis non-responding to first-line injectable therapies. *Mult Scler*. 2016 Sep;22(10):1315-26.
- Prosperini L, Annovazzi P, Capobianco M, Capra R, Buttari F, et al. Natalizumab discontinuation in patients with multiple sclerosis: Profiling risk and benefits at therapeutic crossroads. *Mult Scler*. 2015 Nov;21(13):1713-22.
- Frisullo G, Calabrese M, Tortorella C, Paolicelli D, Ragonese P, Annovazzi P, et al. Thyroid autoimmunity and dysfunction in multiple sclerosis patients during long-term treatment with interferon beta or glatiramer acetate: an Italian multicenter study. *Mult Scler*. 2014 Aug;20(9):1265-8.
- Guaschino C, Esposito F, Liberatore G, Colombo B, Annovazzi P, et al. Familial clustering in Italian progressive-onset and bout-onset multiple sclerosis. *Neurol Sci*. 2014 May;35(5):789-91.
- Ghezzi A, Annovazzi P, Cocco E, Coarelli G, Lugaresi A, et al. Endovascular treatment of CCSVI in patients with multiple sclerosis: clinical outcome of 462 cases. *Neurol Sci*. 2013 Sep;34(9):1633-7.
- Ghezzi A, Annovazzi P, Portaccio E, Cesari E, Amato MP. Current recommendations for multiple sclerosis treatment in pregnancy and puerperium. *Expert Rev Clin Immunol*. 2013 Jul;9(7):683-91.
- Ghezzi A, Annovazzi P, Amato MP, Capello E, Cavalla P, et al. Adverse events after endovascular treatment of chronic cerebro-spinal venous insufficiency (CCSVI) in patients with multiple sclerosis. *Mult Scler*. 2013 Jun;19(7):961-3.
- Annovazzi P, Tomassini V, Bodini B, Boffa L, Calabrese M, et al. A cross-sectional, multicentre study of the therapeutic management of multiple sclerosis relapses in Italy. *Neurol Sci*. 2013 Feb;34(2):197-203.
- Ghezzi A, Rocca MA, Baroncini D, Annovazzi P, Zaffaroni M, et al. Disease reactivation after fingolimod discontinuation in two multiple sclerosis patients. *J Neurol*. 2013 Jan;260(1):327-9.
- Annovazzi P, Tomassini V, Bodini B, Boffa L, Calabrese M, et al. A cross-sectional, multicentre study of the therapeutic management of multiple sclerosis relapses in Italy. *Neurol Sci*. 2013 Feb;34(2):197-203.
- Colombo B, Dalla Libera D, De Feo D, Pavan G, Annovazzi P, Comi G. Delayed diagnosis in pediatric headache: an outpatient Italian survey. *Headache*. 2011 Sep;51(8):1267-73.
- Sangalli F, Moiola L, Bucello S, Annovazzi P, Rizzo A, et al. Efficacy and tolerability of natalizumab in relapsing-remitting multiple sclerosis patients: a post-marketing observational study. *Neurol Sci*. 2011 Jan;31 Suppl 3:299-302.
- Martinelli V, Rocca MA, Annovazzi P, Pulizzi A, Rodegher M, et al. A short-term randomized MRI study of high-dose oral vs intravenous methylprednisolone in MS. *Neurology*. 2009 Dec 1;73(22):1842-8.
- Ghezzi A, Amato MP, Annovazzi P, Capobianco M, Gallo P, et al. Long-term results of immunomodulatory treatment in children and adolescents with multiple sclerosis: the Italian experience. *Neurol Sci*. 2009 Jun;30(3):193-9.
- Martinelli Boneschi F, Colombo B, Annovazzi P, Martinelli V, Bernasconi L, Solaro C, Comi G. Lifetime and actual prevalence of pain and headache in multiple sclerosis. *Mult Scler*. 2008 May;14(4):514-21.
- Leocani L, Comi E, Annovazzi P, Rovaris M, Rossi P, et al. Impaired short-term motor learning in multiple sclerosis: evidence from virtual reality. *Neurorehabil Neural Repair*. 2007 May-Jun;21(3):273-8.
- Tortorella P, Rocca MA, Colombo B, Annovazzi P, Comi G, Filippi M. Assessment of MRI abnormalities of the brainstem from patients with migraine and multiple sclerosis. *J Neurol Sci*. 2006 May 15;244(1-2):137-41.
- Leocani L, Rovaris M, Martinelli-Boneschi F, Annovazzi P, Filippi M, et al. Movement preparation is affected by tissue damage in multiple sclerosis: evidence from EEG event-related desynchronization. *Clin Neurophysiol*. 2005 Jul;116(7):1515-9.
- Comi E, Annovazzi P, Silva AM, Corsi M, Blasi V, et al. Visual evoked potentials may be recorded simultaneously with fMRI scanning: A validation study. *Hum Brain Mapp*. 2005 Apr;24(4):291-8.
- Annovazzi P, Colombo B, Bernasconi L, Schiatti E, Comi G, Leocani L. Cortical function abnormalities in migraine: neurophysiological and neuropsychological evidence from reaction times and event-related potentials to the Stroop test. *Neurol Sci*. 2004 Oct;25 Suppl 3:S285-7.

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