

SOMLAI, Judit M.D.



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Education & Qualifications

Medical Doctor	1978
Medical School, University of Debrecen Debrecen, Hungary	
Ophthalmologist	1983
Haynal Imre Postgraduate Medical School Budapest, Hungary	
Neurologist	1990
Haynal Imre Postgraduate Medical School Budapest, Hungary	
Neuro-Ophthalmologist	2014
National Board of Medical Examiners Budapest, Hungary	

Work Experience

National Board of Medical Examiners	2016 - present
Member of Board of Neuro-Ophthalmology	
Military Hospital	2007 - present
Department of Neurology & Stroke, Unit of Neuro-Ophthalmology Head of Unit	
MÁV Hospital	1995 - 2007
Department of Neurology & Neurosurgery, Unit of Neuro-Ophthalmology Head of Unit	
Semmelweis University	1987 - 1995
Department of Neurology, Unit of Neuro-Ophthalmology Head of Unit (Part Time)	
National Institute of Psychiatry and Neurology (OPNI)	1987 - 1995
Department of Neurology, Unit of Neuro-Ophthalmology Head of Unit	
Janos Hospital	1978 - 1987
Department of Ophthalmology Ophthalmologist	

Trainings

- Postgraduate Training - Neuro-Ophthalmology** **1987 - 1989**
National Institute of Neurosurgery
Budapest, Hungary
- Postgraduate Training - Myasthenia, Stroke, Neuro-Immunology** **1989 - 1991**
Hungarian Centers of Excellence in Neurology
Budapest, Hungary
- International Postgraduate Training – Neuro-Ophthalmology** **1991 - 1992**
Tel-Hashomer (prof. Y.Goldhammer)
Tel Aviv, Israel
- Special Course on Neuro-Ophthalmology** **1992**
Congress of the European Society of Ophthalmology
Brussels, Belgium
- Postgraduate Training for Neurologists** **1994**
National Institute of Psychiatry and Neurology (OPNI)
Budapest, Hungary
- Special Neuro-ophthalmological Course - Brainstem, Stroke** **1995**
Universität München, Dpt. von Neurology (prof. T. Brandt, prof. M. Dieterich)
Munich, Germany
- Postgraduate Training – “Ocular stroke”, vascular optic lesions** **1999**
Universität Basel, Eye Clinic (prof. J. Flammer)
Basel, Switzerland
- Postgradual Training - Neuro-ophthalmology** **2008**
World Stroke Congress
Vienna, Austria
- Postgradual Training - Neuro-Ophthalmology** **2009**
Military Hospital
Department of Neurology & Stroke, Unit of Neuro-ophthalmology
Budapest, Hungary

Annual Congress of International Neuro-Ophthalmology Society
1994 - present

Annual Congress of North American Neuro-Ophthalmology Society 2002
Copper Mountain Resort, Colorado, USA

Annual Congress of European Neuro-Ophthalmology Society
1999 - present

Annual Congress of Hungarian Society of Ophthalmologists 1978 - present
Neuro-ophthalmology sections

Annual Congress of European Federation of Neurological Societies
2006 - present

Annual Congress of Hungarian Neurological Society 1987 - present

“Teach Neurology” Congress of of Hungarian Neurological Society
1996 - present

Annual Congress of World Stroke Organization 2005 - present

Annual Congress of European Stroke Organization 2008 - present

Annual Congress of Hungarian Stroke Association 1992 - present

Annual Congress of Hungarian Society of Thrombosis and Haemostasis
2002 – present

Annual Congress of Hungarian Society of Haemorheological Disorders
2002 – present

Annual Congress of Hungarian Society of Atherosclerosis
2003 – present

Memberships

<i>Hungarian Society of Ophthalmologists</i>	<i>1978 - present</i>
<i>Hungarian Neurological Society</i>	<i>1987 - present</i>
<i>Hungarian Stroke Association</i>	<i>1992 - present</i>
<i>Hungarian Society of Thrombosis and Haemostasis present</i>	<i>2002 -</i>
<i>Hungarian Society of Haemorheological Disorders</i>	<i>2002 - present</i>
<i>European Federation of Neurological Societies</i>	<i>2006 - present</i>

Invited Lectures - presentations

The traditional and operative treatment possibilities in Parkinson syndrome with glaucoma congestive 1984

Congress of Hungarian Society of Ophthalmologists
Budapest, Hungary

The neuro-ophthalmological methods and its indications for neurological clinic 1987

Postgraduate Medical School
Budapest, Hungary

The anterior ischemic optic neuropathy with low tension glaucoma 1988

Congress for Young Neurologist, Prize-winning presentation
Budapest, Hungary

The eye movement disorders in brainstem diseases 1993

Congress of Hungarian Society of Ophthalmologists
Budapest, Hungary

Central eye movement disorders in ischemic lesions of the brainstem stroke 1993

Cardiogen Stroke Congress
Eger, Hungary

Traditional and electrophysiological methods in eye movement disorders of brainstem diseases 1994

Postgraduate Training for Neurologists
National Institute of Psychiatry and Neurology (OPNI)
Budapest, Hungary

Multimodal visual evoked potentials (VEP) in neuro-ophthalmology 1994

Postgraduate Training for Neurologists
National Institute of Psychiatry and Neurology (OPNI)
Budapest, Hungary

Oculomotor disorders of brainstem in Higher Intracranial Pressure of different origins 1995

Congress of European Neuro-Ophthalmology Society
Antwerpen, The Netherlands

The importance of computer perimetry in topographic diagnosis of optic nerve diseases 1998

Lugano, Switzerland

The importance of neuro-ophthalmological methods in topographical diagnosis 1998

Topography Neurology Congress, Hungarian Neurological Society
Budapest, Hungary

- Typical forms of the eye movement disorders of the brainstem*** 1998
Topography Neurology Congress, Hungarian Neurological Society
Budapest, Hungary
- Central eye movement disorders: clinical forms, differential diagnosis, treatment possibilities*** 1999
Universität Basel, Eye Clinic
Basel, Switzerland
- Using new methods and modern therapy in venous circulatory disorders*** 1999
Congress of European Neuro-Ophthalmology Society
Jerusalem, Israel
- New topographical diagnostic methods of neuro-ophthalmology in child neurology*** 1999
Postgraduate Training Neurologists
Budapest, Hungary
- New results of etiologic examinations and problems for long-distance anticoagulant treatment in thrombo-embolic circulatory disorders of the retina and/or papilla*** 2000
Congress of International Neuro-ophthalmology Society
Toronto, Ontario, Canada
- Complications in long-distance anticoagulant treatment of thrombo-embolic circulatory disorders of retina*** 2001
Congress of Hungarian Stroke Association
Budapest, Hungary
- Etiology and the open questions of long lasting anticoagulant treatment of thromboembolic disorders of the retina and optic nerve*** 2001
Congress of the International Society on Thrombosis and Haemostasis (ISTH)
Paris, France
- New diagnostical methods, treatments of microcirculation disorders in retinal thromboembolic diseases*** 2001
Congress of Hungarian Society of Ophthalmologists
Pécs, Hungary
- Ocular signs of antiphospholipid syndrome*** 2001
Postgradual Training on Autoimmune Disorders
Visegrád, Hungary
- The importance of ocular stroke in prevention and treatment of cerebrovascular diseases*** 2002
Congress of Hungarian Society of Atherosclerosis
Sopron, Hungary
- Ocular stroke: diagnosis and treatment of the vascular optic lesions*** 2002
Seminar, Semmelweis University
Budapest, Hungary
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- Relationships between ocular stroke and systemic disorders of internal medicine*** **2002**
 Postgraduate Training, Department of Vascular Neurology, Semmelweis University
 Budapest, Hungary
- Warning signs of Higher Intracranial Pressure (HIP): typical eye movement disorders and pupil signs*** **2003**
 Congress of Hungarian Society of Ophthalmologists
 Budapest, Hungary
- Connections between ocular stroke and TIA in cerebrovascular disorders (based on 514 patients, 6400 examinations)*** **2003**
 Congress of Hungarian Stroke Association
 Zalakaros, Hungary
- New methods in neuro-ophthalmology for topographic diagnosis of optic nerve lesions and visual cortical agnosia*** **2003**
 Congress of Hungarian Society of Neuro-Rehabilitation
 Budapest, Hungary
- Pupil signs in Higher Intracranial Pressure (HIP)*** **2003**
 Congress of Hungarian Society of Strabology and Child Ophthalmology
 Balatonaliga, Hungary
- Connections between ocular stroke and TIA in cerebrovascular disorders (based on 514 patients, 6400 examinations)*** **2004**
 Congress of International Neuro-ophthalmology Society
 Geneva, Switzerland
- Differential diagnosis of traumatic optic nerve lesions in childhood*** **2004**
 Congress of Hungarian Society of Strabology and Child Ophthalmology
 Budapest, Hungary
- Connections between "Ocular Stroke" and TIA*** **2004**
 Congress of International Neuro-Ophthalmology Society
 Geneva, Switzerland
- Warning signs of typical eye movement disorders and pupillomotor functional signs in HIP*** **2005**
 Postgraduate Training, MÁV Hospital, Department of Neurology and Neurosurgery
 Budapest, Hungary
- Eye movement disorders in endocrin myopathy - differential diagnosis*** **2005**
 Symposium: Endocrin orbitopathy and myopathy
 Hungarian Society of Ophthalmologists
 Budapest, Hungary
- Role of neuro-ophthalmology in gamma knife radiosurgery treatment*** **2006**
 Postgraduate Training, Department of Neurology, Semmelweis University
 Budapest, Hungary

- The importance of the neuro-ophthalmological diagnosis and differential diagnosis in cases of HIP*** **2006**
 Postgradual Training for Neurologists
 Zalaegerszeg, Hungary
- The importance of “ocular stroke” in cerebrovascular and cardiovascular diseases (based on 500 patients’ data)*** **2007**
 Congress of Hungarian Society of Ophthalmologists
 Budapest, Hungary
- Correlations between signs of ocular stroke and intracerebral small vessels disorders (SVD)*** **2008**
 Congress for Young Neurologists
 Hungarian Stroke Association and Hungarian Neurological Society
 Győr, Hungary
- Double vision with sudden onset: differential diagnosis*** **2008**
 Congress of Hungarian Society of Ophthalmologists
 Pécs, Hungary
- When, why and how can we use prism correction in neuro-ophthalmological diseases*** **2008**
 Congress of Hungarian Optometrist Society
 Budapest, Hungary
- Correlations between intracerebral SVD & ocular stroke: etio-pathomechanism, clinical signs, efficacy of the treatment*** **2008**
 Congress of Hungarian Society of Ophthalmologists
 Neuro-Ophthalmology Section
 Budapest, Hungary
- Ophthalmological algorithm of neuro-rehabilitation in acquired eye-injured cases*** **2008**
 Symposium of Hungarian Federation of the Blind and Partially Sighted
 Miskolc, Hungary
- Neuro-ophthalmological connections between vertebrobasilar TIA and signs of ocular stroke*** **2008**
 Scientific Symposium for Hungarian Rheumatologists
 National Institute of Rheumatology (ORFI)
 Budapest, Hungary
- Vascular disorders of the optic nerve (ocular stroke) in systemic autoimmune diseases*** **2008**
 Postgraduate Training for Hungarian Rheumatologists
 National Institute of Rheumatology (ORFI)
 Budapest, Hungary
- Dilemmas of etiopathomechanism of ocular stroke as small vessels diseases (SVD)*** **2008**
 Congress of Hungarian Society of Haemorheological Disorders
 Balatonkenese, Hungary

- Ophthalmological signs of intracerebral venous diseases*** **2009**
Congress of Hungarian Society of Ophthalmologists
Budapest, Hungary
- Ophthalmological signs of intracerebral venous disorders and/or HIP*** **2009**
Congress of the Hungarian Stroke Association
Pécs, Hungary
- Postgraduate Training***
2009
- ***Algorithm of neuro-ophthalmological examinations***
 - ***Relationships between traumatic optic neuropathy and higher intracranial pressure***
 - ***Differential diagnosis in double vision***
 - ***Modern systemic therapies in ocular stroke***
Hungarian Society of Ophthalmologists, Neuro-ophthalmology Section
Military Hospital, Department of Neurology & Stroke, Unit of Neuro-Ophthalmology
Budapest, Hungary
- Neuro-ophthalmological signs in traumatic injuries of the eyeball-, optic nerve- and eye movement systems*** **2010**
Department of Neuro-traumatology, Péterfy Traumatology Centre
Budapest, Hungary
- Based on cardiological sources, correlations between signs of ocular stroke and intracerebral small vessels disorders (SVD)*** **2010**
Military Hospital, Department of Cardiology
Budapest, Hungary
- Differential diagnosis and modern therapy*** **2010**
- ***Visual loss with sudden onset: ocular stroke?***
 - ***Papilla edema***
 - ***Double vision***
Congress of Hungarian Society of Ophthalmologists
Siófok, Hungary
- Neuro-Ophthalmological early signs of autoimmune diseases*** **2011**
“Endocrin eye” - Postgradual Training of Endocrinology
Military Hospital, Department of Endocrinology
Budapest, Hungary
- The supranuclear eye movements - physiology and pathophysiology*** **2011**
Hungarian Society of Ophthalmologists, Neuro-ophthalmology Section
Budapest, Hungary
- PseudoFoster-Kennedy syndrome: Bilateral non-arteritic anterior ischemic opticopathy with secondary optic atrophy in cases of old patients*** **2011**
Hungarian Society of Ophthalmologists
Siófok, Hungary

- Correlations between intracerebral SVD & retinal vascular diseases: etio-pathomechanism, efficacy of the systemic treatments*** **2012**
Symposium on RETINA disorders, Hungarian Society of Ophthalmologists
Siófok, Hungary
- Visual loss – double vision in Multiple Sclerosis Sensory & motorial system (clinical signs, differential diagnosis)*** **2012**
Symposium of modern therapy of MS, Novartis
Budapest, Hungary
- Eye movements disorders caused by higher intracranial pressure (HIP) in childhood*** **2012**
Strabology Session, Hungarian Society of Ophthalmologists
Budapest, Hungary
- Dilemmas of the complex treatment in Traumatic Optic Neuropathy (TON)*** **2012**
Strabology Session, Hungarian Society of Ophthalmologists
Budapest, Hungary

<i>List of Publications –</i>	<i>books (editor)</i>	
Somlai J. <i>Neuro-ophthalmology</i> Literatura Medica Publishing Budapest Hungary		1991
Somlai J. <i>Neuro-ophthalmology</i> Literatura Medica Publishing Budapest Hungary		1996
Somlai J. <i>Neuro-ophthalmology</i> PressCom Publishing Budapest Hungary		2007
Somlai J, Kovács T. <i>Neuro-ophthalmology</i> (e-book, printed version) NOSZA Foundation Budapest Hungary		2012

<i>List of Publications –</i>	<i>chapters (author)</i>	
Somlai J. <i>The neuro-ophthalmological examinations</i> In Neuro-ophthalmology, Editor Somlai J., pp 11-15 Literatura Medica Publishing, Budapest Hungary		1996
Somlai J. <i>The phacomatosis</i> In Neuro-ophthalmology, Editor Somlai J., pp 141-147 Literatura Medica Publishing, Budapest Hungary		1996
Somlai J, Kundra O. <i>Neuro-ophthalmological examinations and therapeutical possibilities in cases of retrobulbar neuritis of Multiple Sclerosis</i> In Neuro-ophthalmology, Editor Somlai J., pp 159-167 Literatura Medica Publishing, Budapest Hungary		1996
Somlai J, Kundra O. <i>The simultaneous application of electroretinography and visual evoked potential methods in clinical practice</i> In Neuro-ophthalmology, Editor Somlai J., pp 167-169 Literatura Medica Publishing, Budapest Hungary		1996

- Somlai J. *The new specialist examinations in ocular myasthenia gravis* 1996**
In Neuro-ophthalmology, Editor Somlai J., pp 237-241
Literatura Medica Publishing, Budapest Hungary
- Somlai J. *The central eye movement disorders in Multiple Sclerosis* 1996**
In Neuro-ophthalmology, Editor Somlai J., pp 241-247
Literatura Medica Publishing, Budapest Hungary
- Somlai J. *The examination of the retinal microcirculation by Heidelberg Retina Flow meter*
2011**
In: Németh J. Ophthalmological imaging methods for diagnosis.
Semmelweis Publishing, Budapest, Hungary
- Somlai J. *Significance and tasks of neuro-ophthalmology in the clinical practice of the ophthalmologists* 2012**
In Neuro-ophthalmology, Editor Somlai J, Kovács T., pp 12-13,
NOSZA Foundation, Budapest Hungary
- Somlai J. *The generally accepted principles of neuro-ophthalmology* 2012**
In Neuro-ophthalmology, Editor Somlai J, Kovács T., pp 48-54,
NOSZA Foundation, Budapest Hungary
- Somlai J. *Clinical significance of the traditional and the modern visual field examinations in topographical diagnosis of visual pathway diseases (optic nerve)* 2012**
In Neuro-ophthalmology, Editor Somlai J, Kovács T., pp 76-82,
NOSZA Foundation, Budapest Hungary
- Somlai J. *Methods applied in neuro-ophthalmology for double vision analysis* 2012**
In Neuro-ophthalmology, Editor Somlai J, Kovács T., pp 127-130,
NOSZA Foundation, Budapest Hungary
- Somlai J. *Phacomatoses***
In Neuro-ophthalmology, Editor Somlai J, Kovács T., pp 199-203,
NOSZA Foundation, Budapest Hungary
- Somlai J. *Acquired inflammatory diseases of the optic nerve - the neuro-ophthalmologist point of view* 2012**
In Neuro-ophthalmology, Editor Somlai J, Kovács T., pp 212-217,
NOSZA Foundation, Budapest Hungary
- Somlai J. *Vascular disorders of the optic nerve - the neuro-ophthalmologist point of view* 2012**
In Neuro-ophthalmology, Editor Somlai J, Kovács T., pp 226-236,
NOSZA Foundation, Budapest Hungary
- Somlai J, Szeifert Gy. *Significance of neuro-ophthalmology in diagnosis and treatment of cranial traumas* 2012**
In Neuro-ophthalmology, Editor Somlai J, Kovács T., pp 247-254,
NOSZA Foundation, Budapest Hungary

- Somlai J. Eye symptoms of the higher intracranial pressure (HIP)** **2012**
In Neuro-ophthalmology, Editor Somlai J, Kovács T., pp 256-265,
NOSZA Foundation, Budapest Hungary
- Somlai J. The most common diseases of the pupillomotor system** **2012**
In Neuro-ophthalmology, Editor Somlai J, Kovács T., pp 272-279,
NOSZA Foundation, Budapest Hungary
- Somlai J. Acquired peripheral eye movement disorders - the main clinical syndromes, differential diagnosis and causal therapy** **2012**
In Neuro-ophthalmology, Editor Somlai J, Kovács T., pp 285-292,
NOSZA Foundation, Budapest Hungary
- Somlai J. Eye movement disorders of brainstem dysfunctions: clinical significance of localization and root therapy** **2012**
In Neuro-ophthalmology, Editor Somlai J, Kovács T., pp 292-300,
NOSZA Foundation, Budapest Hungary
- Somlai J. Main characteristics and differential diagnostics** **2012**
- **Mixed types of eye movement disorders**
 - **Non-isolated eye muscle palsy**
 - **Myogenic palsies**
 - **Ocular myasthenia gravis**
- In Neuro-ophthalmology, Editor Somlai J, Kovács T., pp 324-334,
NOSZA Foundation, Budapest Hungary
- Somlai J. Significance and possibilities of rehabilitation in neuro-ophthalmology** **2012**
In Neuro-ophthalmology, Editor Somlai J, Kovács T., pp 417-418,
NOSZA Foundation, Budapest Hungary
- Somlai J, Szeifert Gy. Diagnosis and treatments of the cranial traumatic cases**
In: Szeifert Gy. Neuro-traumatology (under publication) **2012**

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- List of Publications – (author, co-author)**
- Somlai J. Ophthalmological signs of Toxoplasmosis 1986**
 János Hospital, Department of Ophthalmology, Prize-winning Essay
- Somlai J. et al. The diagnostic methods and complex treatment of pars planitis 1987**
 Hungarian Ophthalmology, 124:35-40
- Somlai J. et al. Bilateral retinal periphlebitis by amoebic infection 1989**
 Hungarian Ophthalmology, 126:126-128
- Somlai J. Ocular signs of antiphospholipid syndrome 1997**
 Nephrology and Hypertension
- Somlai J. et al. Etiology and the open questions of long lasting anticoagulant treatment of thromboembolic disorders of the retina and the optic nerve 2001**
 In Supplement to the J. Thrombosis and Haemostasis, July 2001 (ISSN 0340-6245) Abstr. CD 3685) XVIII. Congress of the International Society on Thrombosis and Haemostasis (ISTH) July 1-6, 2001. Paris, France
- Somlai J. Giving an account of the Annual Congress of North American Neuro-Ophthalmology Society (Copper Mountain Resort, Colorado, USA) 2002**
 Hungarian Clinical Neuroscience, 55. 5-6:197
- Papilla edema in childhood - differential diagnosis 2006**
 Journal of „Gyermekegyógyászati Továbbképző Szemle“ Vol. IV.
- Somlai J. et al. Ocular stroke – as an early sign of cerebro- and cardiovascular diseases 2007**
 Journal of „Orvostovábbképző Szemle“ XIV. 2007-03-14
- Somlai J. et al. Ocular signs of Higher Intracranial Pressure (HIP) 2009**
- **Chapter 1: Symptoms of optic nerve lesions**
 - **Chapter 2: Eye movement disorders**
- Journal of „Orvosi Hetilap“, Review article,
 Akadémiai Kiadó, ISSN 0030-6002 (Print)
 1788-6120 (Online), Vol. 150, 39., OH.2009.28686, 1824-1831
- Somlai J. et al. Relationships between intracerebral small vessels disease (SVD) and vascular disorders of the optic nerves (ocular stroke) 2011**
 Journal of „Vascularis Neurológia“ 3. 1.
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