

**Personal Information**

Name (surname, first name): SOMLAI, Judit  
Nationality: Hungarian  
Date of Birth: July 30, 1953  
Place of Birth: Budapest, Hungary  
  
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**Education & Qualifications****Medical Doctor (MD) 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

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**Work Experience****Janos Hospital 1978 - 1987**

Department of Ophthalmology  
Ophthalmologist  
Budapest, Hungary

**National Institute of Psychiatry and Neurology (OPNI) 1987 - 1995**

Department of Neurology, Unit of Neuro-Ophthalmology  
Head of Unit  
Budapest, Hungary

**Semmelweis University 1987 - 1995**

Department of Neurology, Unit of Neuro-Ophthalmology  
Head of Unit (Part Time)  
Budapest, Hungary

**MÁV Hospital 1995 - 2007**

Department of Neurology & Neurosurgery, Unit of Neuro-Ophthalmology  
Head of Unit  
Budapest, Hungary

**Military Hospital 2007 - present**

Department of Neurology & Stroke, Unit of Neuro-Ophthalmology  
Head of Unit  
Budapest, Hungary

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**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

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**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

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**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**

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**Annual Congress of World Stroke Organization 2005 - present**

**Annual Congress of European Stroke Organization 2008 - present**

**Annual Congress of Hungarian Stroke Association 1992 - present**

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**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**

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

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**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

- 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 endocrinopathy - differential diagnosis*** **2005**  
 Symposium: Endocrinopathy 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 autoimmun 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

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

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

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- 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 2012**  
In: Szeifert Gy. Neuro-traumatology (under publication)

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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 „Gyermekgyógyászati 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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