

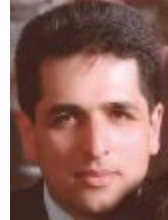
CURRICULUM VITEA

January 19, 2011

BEHZAD MANSOURI M.D. Ph.D.

University of Manitoba

Neurology Resident,
Department of Internal Medicine, Neurology Division,
820 Sherbrook St., Health Science Center,
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Education

- Currently PGY-4 and Chief resident, Neurology program
- Post-doctoral fellowship 2005-2008, Department of Ophthalmology, McGill University, Montreal, Canada
- Ph.D. 2001-2005, Department of Neurology and Neurosurgery, Neuroscience program, McGill University, Montreal, Canada
- M.D. 1991-1998, Tehran University of Medical Sciences, Tehran, Iran
- High School 1987-1991, National Organization for Development of Exceptional Talent, Tehran, Iran

Publications

1. **Integration of first- and second-order orientation;** Allen HA, Hess RF, Mansouri B, Dakin SC, Journal of the Optical Society of America A, 2003 Jun; 20(6): 974-86
2. **Integration of orientation information in amblyopia;** Mansouri B, Allen HA, Hess RF, Dakin SC, Eht O, Vision Research. 2004 Nov; 44(25): 2955-69
3. **Integration, segregation, and binocular combination;** Mansouri B, Allen HA, Hess RF, Dakin SC, Journal of the Optical Society of America A, 2005 Jan; 22(1): 38-48
4. **Detection, discrimination and integration of second-order orientation information in amblyopia;** Mansouri B, Allen HA, Hess RF, Vision Research. 2005 Jun; 45(18): 2449-2460
5. **The extent of the dorsal extra-striate deficit in amblyopia;** Simmers AJ, Ledgeway T, Mansouri B, Hutchinson CV, Hess RF, Vision Research. 2006 Aug; 46(16): 2571-80
6. **Integration of local motion is normal in amblyopia;** Hess RF, Mansouri B, Dakin SC, Allen HA, Journal of the Optical Society of America A, 2006 May; 23(5): 986-92
7. **The global processing deficit in amblyopia involves noise segregation;** Behzad Mansouri, Robert F. Hess, Vision Research. 2006 Nov; 46(24): 4104-17
8. **Cortical deficits in human amblyopia: their regional distribution and their relationship to the contrast detection deficit,** Li X, Dumolin S, Mansouri B, Hess RF, Investigative Ophthalmology and Visual Sciences. 2007 Apr; 48(4): 1575-91

9. **The fidelity of the cortical retinotopic map in human amblyopia;** Xi L, Dumolin S, Mansouri B, Hess RF, European Journal of Neuroscience, Vol. 25, pp. 1265–1277, 2007
10. **Binocular influences on global motion processing in the human visual system;** Hess RF, Hutchinson CV, Ledgeway T, Mansouri B, Vision Res. 2007 Jun;47(12):1682-92. Epub 2007 Apr 17
11. **Variance discrimination in amblyopia;** Mansouri B, Allen HA, Hess RF, J Opt Soc Am A Opt Image Sci Vis. 2007 Sep; 24(9):2499-504
12. **Binocular Summation of Contrast Remains Intact in Strabismic Amblyopia;** D. Baker, T. Meese, B. Mansouri, R. Hess, Investigative Ophthalmology and Visual Sciences. 2007 Oct; 48: 5332-5338
13. **Brain Plasticity in the Adult: restoration of function in amblyopia using Repetitive Transcranial Magnetic Stimulation (rTMS);** B. Thompson, B. Mansouri, L. Koski, R. Hess, Current Biology. 2008 July 22;18(14):1067-71
14. **Plaid perception is only subtly impaired in strabismic amblyopia;** Thompson B, Stockdale CA, Mansouri B, Hess RF, Vision Res. 2008, May;48(11): 1307-14.
15. **Measurement of suprathreshold binocular interactions in amblyopia;** B. Mansouri, B. Thompson and R. F. Hess, Vision Res. 2008 Dec;48(28):2775-84
16. **Disrupted retinotopic maps in amblyopia.** Mansouri B, Hansen BC, Hess RF. Invest Ophthalmol Vis Sci. 2009 Jul;50(7):3218-25. Epub 2009 Feb 28.
17. **Latent stereopsis for motion in depth in strabismic amblyopia.** Hess RF, Mansouri B, Thompson B, Gheorghiu E. Invest Ophthalmol Vis Sci. 2009 Oct;50(10):5006-16. Epub 2009 May 20.
18. **Selectivity as well as sensitivity loss characterizes the cortical spatial frequency deficit in amblyopia.** Hess RF, Li X, Mansouri B, Thompson B, Hansen BC. Hum Brain Mapp. 2009 Dec; 30(12):4054-69.
19. **A Binocular Approach to Treating Amblyopia: Antisuppression Therapy.** Hess RF, Mansouri B, Thompson B. Optom Vis Sci. 2010 Jul 8.
20. **From motor cortex to visual cortex: The application of noninvasive brain stimulation to amblyopia.** Thompson B, Mansouri B, Koski L, Hess RF. Dev Psychobiol. 2010 Nov 8.
21. **A new binocular approach to the treatment of Amblyopia in adults well beyond the critical period of visual development,** Hess RF, Mansouri B, Thompson B., Restor Neurol Neurosci. 2011 Jan 1;28 (6):793-802.

- 22. Matching of contrast and luminance between two eyes during dichoptic viewing in amblyopia.** Maehara G, Thompson B, Mansouri B, Hess RF (in submission)
- 23. Interocular Suppression in Strabismic Amblyopia Results in an Attenuated and Delayed Hemodynamic Response Function in the Primary Visual Cortex.** Reza Farivar, Benjamin Thompson, Behzad Mansouri, and Robert F. Hess (in submission)
- Grants**
- 2008 Sep, “Novel portable treatment device for lazy eye”,** NSERC I2IPJ, Cooperstock J, Hess R, Mansouri B, Thompson B
- 2009 Jan, “Assessment and Treatment of Binocular Vision in Amblyopia”,** CIHRPOPI, Hess R, Mansouri B, Thompson B
- 2009 Dec, “The efficacy of rTMS in treatment of obsessive compulsive disorder, a pilot study”** Manitoba Medical Services Foundation (MMSF), Modirrousta M, Mansouri B
- 2010 Dec, Measuring and improving binocular vision in Amblyopia (Lazy eye),** Manitoba Medical Services Foundation (MMSF), Mansouri B, Schmidt B, Pearson P
- Patents**
- 2007 Provisional: Binocular Vision Assessment or Therapy** (registration number 37796/23-10-2007)
- 2007 Provisional: Apparatus and Method for treating a cortical-based visual disorder using delivery of transcranial magnetic stimulation (TMS) to the visual cortex of a patient** (registration number 58225/14-11-2007)
- Theses**
- 2005 Integration of spatial and motion information in amblyopia (Ph.D. Thesis);** Mansouri B, McGill University Library
- 1997 Epidemiology of Goiter and its dependant variants and affecting factors amongst young girls aged between 12 and 18 years old (M.D. Thesis);** Mansouri B, Modirrousta M, Tehran medical school library
- Honors and Awards**
- 2011 American Academy of Neurology's (AAN) Annual Meeting Resident Scholarship recipient**
- 2010 Best Poster Presentation Award,** Department of Medicine, University of Manitoba, Canada
- 2005 Best Graduate Student Basic Science Presentation Award,** Department of Ophthalmology, McGill University, Montreal, Canada
- 2001 Tuition fee waiver,** McGill University, Montreal, Canada
- 1989 rank 83rd** in Iran Mathematical Olympiad, Tehran, Iran
- 1990 rank 3rd** in Iran Karate competition, Iran
- 1991 Amongst the top graduates of “Gifted & Talented Education High School”**
- 1991 rank 113th** amongst **800,000** participants, University national entrance exam, Iran

Reviewer	<p>2007 Journal of Vision (JOV)</p> <p>2008 Investigative Ophthalmology and Visual Sciences (IOVS)</p>
Professional Affiliations	<p>2010 North American Neuro-Ophthalmology Society</p> <p>2008 Canadian Neurology Association</p> <p>2003 Society for Neuroscience, USA</p> <p>2001 The Association for Research in Vision and Ophthalmology, USA</p> <p>2001 Vision Sciences Society, USA</p> <p>1998 Medical Doctors Association, Iran</p>
Teaching Experiences	<ul style="list-style-type: none"> • Teaching Assistant 2004-2006, Neuroanatomy course (lab), Faculty of Medicine, McGill University, Montreal, Canada • Teaching Upper Respiratory Track Infections 2000, Gilan Medical University, Roodsar, Gilan, Iran • Teaching computer programming (part-time), Algorithm, FoxPro, Basic plus, Logo 1989-1995, IBM, Tehran, Iran (24 hours per week)
Work Experiences	<ul style="list-style-type: none"> • Post doctoral fellow, Vision Research Unit, Ophthalmology Department, McGill University, Since 2005 • Graduate Student Research Assistant, Vision Research Unit, Ophthalmology Department, McGill University 2001-2004 • Research Assistant (part-time) 2000-2001, Mazandaran Medical University Medical University, Sari, Iran • General Practitioners and Researcher 2000-2001, Khodrosazan Company, Tehran, Iran • Clinical director and General Practitioner, Siahkalrood, Gilan, Iran, Health and Medical Education Ministry of Iran, Gilan Medical University, Gilan, Iran, 1998-2000
Clinical Experience	<ul style="list-style-type: none"> • Clinical observer-ship (3 weeks), Ophthalmology Department, McGill University, 2006 • Clinical observer-ship (2 weeks), Neurology Department, McGill University, 2005 • Clinical director and General Practitioner, Siahkalrood, Gilan, Iran, Health and Medical Education Ministry of Iran, Gilan Medical University, Gilan, Iran, 1998-2000 • General Practitioners 2000-2001, Khodrosazan Company, Tehran, Iran • Medical internship 1996-1998, Duties: Examining, diagnosing, and treating patients under the supervision of academic faculty members (Neurology, Neurosurgery, General Surgery, Psychiatry Orthopedics, Urology, Internal Medicine, Gynecology & Obstetrics, Heart diseases, Pediatrics, ENT, Ophthalmology, Dermatology and Family Medicine), in more than 15 hospitals and visiting more than 2000 patients, Tehran

Medical School, Tehran, Iran (40 hours per week including 8-10 night shifts in month). Researching how computer and artificial intelligence could be applied in medicine

- Medical externship 1993-1996, Duties: Working with Hospital attending professor in various wards (Neurology, General Surgery, Orthopedics, Urology, Internal Medicine, Gynecology & Obstetrics, Heart diseases, Pediatrics, ENT, Ophthalmology, Dermatology, Psychiatry and Clinical Hygiene) in different hospitals, Tehran Medical School, Tehran, Iran (40 hours per week)

Languages **Farsi:** Written: Excellent Spoken: Excellent (Maternal language), **English:** Written: Excellent Spoken: Excellent, **French:** Written: Good Spoken: Good, **Turkish:** Written: Good Spoken: Good, **Arabic:** Written: Fair Spoken: Fair

Licenses & Certificates **1998** Medical License from Medical Council of Iran
2007 certification from Medical License from Medical Council of Canada
2007 Transcranial Magnetic Stimulation Application Certificate (McGill University Health Center TMS laboratory)
2008 United States ECFMG (Educational Commission for Foreign Medical Graduates) certification

Tests **2006-2008 United State Medical Licensing Examination STEP I (Basis Sciences), II (Clinical knowledge and skill):** Pass
2004-2007 Medical Council of Canada Exams EE, QE1 and QE2): Pass
2000 TOEFL TOTAL = 267/300 (Listening = 26/30 Structure & Writing = 24/30 Reading 30/30) **TWE** = 4.5/6, **GRE** Quantitative = 780 Analytical = 710 Verbal = 320

Experimental Techniques & Computer Programming I am familiar with following research techniques and computer programs: Psychophysics, Eye tracking, FMRI imaging and data analysis (Brain Voyager), Transcranial Magnetic stimulation (TMS), Matlab and Psychophysics toolbox, Windows and Microsoft office, Fortran, Basic and FoxPro (concept of database programming)

Abstracts and Presentations Anti-suppression Binocular Treatment of Amblyopia, Mansouri B, Thompson B, Hess RF; NANOS 2011
Application of rTMS in treatment of intractable seizure in patients with cortical malformation, Mansouri B, Aghakhani Y, Mashhad Iran 2010
From motor cortex to visual cortex: the application of non-invasive brain stimulation to amblyopia, Benjamin Thompson, Behzad Mansouri, Lisa Koski and Robert F. Hess, Society for Neuroscience 2009
Intact Binocular Interaction in Amblyopia; a New Gateway to Treatment of Amblyopia, Behzad Mansouri, Benjamin Thompson, Robert F. Hess, ARVO 2008
Dichoptic Motion Integration in Amblyopia, B. Mansouri, B. Thompson, T. Ledgeway and R. F. Hess SFN 2007

New adventures in improving residual vision in amblyopia, Mansouri B, Thompson B, Hess RF McGill Ophthalmology Clinical and Scientific Research Day 2007

Monocular, binocular and dichoptic masking in strabismic amblyopia, Daniel H Baker, Tim S Meese, Behzad Mansouri & Robert F Hess; Perception 2006

Spatial frequency-dependence of the cortical deficit in human amblyopia (fMRI study), Li XF, Mansouri B, Hess RF, 37th Annual meeting of Society for Neuroscience SFN 2006

Within-voxel variability of the hemodynamic response function of early visual areas in amblyopes, Mansouri B, Farivar R, Li XF, Hess RF, 37th Annual meeting of Society for Neuroscience SFN 2006

Temporal aspects of stereopsis revealed by dynamic random-dot stereograms, Oliver KM, Gheorghiu E, Mansouri B, Hess RF. McGill Ophthalmology Clinical and Scientific Research Day 2006

Biological motion in amblyopia, Hess RF, Mansouri B, Wastson R, Leitz G, McGill 2006

A disrupted retinotopic map in amblyopia, Mansouri B, Hess RF, VSS 2006 & McGill Ophthalmology Clinical and Scientific Research Day 2006

Signal segregation not signal integration is abnormal in amblyopia, Mansouri B, Hess RF, 78th Annual meeting of the Association for Research in Vision and Ophthalmology ARVO 2006

Amblyopic suppression: all-or-none or graded? Mansouri B, Hess RF, European Conference on Visual Perception, 2005

Regions of spared cortical function in human amblyopia (fMRI study), Li X, Dumolin S, Mansouri, B, Hess RF, 36th Annual meeting of Society for Neuroscience SfN, 2005

Integration of global information in amblyopia; the role of signal and noise, Mansouri B, Hess RF, McGill Ophthalmology Clinical and Scientific Research Day 2005

Variance discrimination in amblyopia, Mansouri B, Allen HA, Hess RF, 5th annual meeting of Vision Sciences Society VSS, 2004

Integration of second-order information in amblyopia, Mansouri B, Allen HA, Hess RF, Dakin SC., 77th Annual meeting of the Association for Research in Vision and Ophthalmology ARVO, 2004

Integration of global information in amblyopia and the effect of noise, Mansouri B, Allen HA, Hess RF, Dakin SC, 34th Annual meeting of Society for Neuroscience SfN, 2004

The site of orientation integration, Mansouri B, Allen H, Hess RF, Dakin SC, McGill Ophthalmology Clinical and Scientific Research Day 2004

Amblyopes can integrate second-order orientation information across space, Mansouri B, Allen HA, Hess RF, Dakin SC, 33rd Annual meeting of Society for Neuroscience SfN, 2003

The site of orientation integration, Mansouri B, Allen HA, Hess RF, Dakin SC, 4th Annual meeting of Vision Sciences Society VSS, 2003

Spatial integration of second-order orientation in amblyopes, Mansouri B, Allen HA, Hess RF, Dakin SC, Ehrt O., 76th Annual meeting of the Association for Research in Vision and Ophthalmology ARVO, 2003

Integration of first- and second-order orientation, Allen HA, Hess RF, Mansouri B, Dakin SC., 3rd Annual meeting of Vision Sciences Society VSS 2003

Integration of first-order orientation in amblyopia, Mansouri B, Allen HA, Hess RF, Dakin SC, Ehrt O., 33rd Annual meeting of Society for Neuroscience SfN, 2003

Amblyopes can combine information across space, Mansouri B, Allen HA, Hess RF, Dakin SC, Ehrt O., 75th Annual meeting of the Association for Research in Vision and Ophthalmology ARVO, 2002

Additional courses

2004 Advances in visual perception, Department of Psychology, McGill University, Montreal, Canada

2002 Statistics in Neurosciences, Department of Psychology, McGill University, Montreal, Canada

2001 Principles of Neuroscience I, Department of Neurology and Neurosurgery, McGill University, Montreal, Canada

1995 Homeopathy, one-month course. Tehran University, Tehran, Iran.

1994 Applicability of Computers in Medicine twelve-month course, Tehran University. Tehran, Iran.

1993 Usage of Hypnosis in Medicine, two-month course, Tehran University, Tehran, Iran.

1990 Microprocessors, four-month course, Sharif University, Tehran, Iran.

1989 Logical Circuits, twelve-month course, Sharif University, Tehran, Iran

Medical Research Experiences

2001-2005 Psychophysics and Amblyopia: A multidisciplinary approach (i.e. imaging (fMRI), psychophysical experiments) to investigate the visual deficiency in amblyopia (lazy eye). McGill Vision Unit, McGill University, Montreal, Canada.

2000-2001 Cognitive Neuroscience and Psychophysics: Visual Perception Research (Reaction-Time and Shape perception). Shahid Beheshti Medical University, Tehran, Iran.

1999-2000 Medication side effects in 100 epileptic patients, Gilan Medical University, Gilan, Iran.

1995-1997 Epidemiology of Goiter and its dependant variants and affecting factors amongst young girls aged between 12 and 18, Tehran Medical University, Tehran Iran.

1990-1995 Neuroscience related subjects, group study and research. Tehran Medical University, Tehran Iran

Extra-curricular activities

Teaching and coaching Karate (part-time) 1990-2000, Since 2004 Political activist, Since 2005 Learning Guitar, Since 1991 Coaching Karate, Voluntarily participation in McGill day care programs 2003–2005, Member of Board of Directors, House of Iran in Montreal, Canada Since 2005, Vice-president, McGill Iranian Student Association 2005-2006, Member of Board of Directors, “Dehkhoda” elementary school, Montreal, Canada 2004–2005, Teacher (part-time) “Dehkhoda” elementary school, Montreal, Canada 2004–2005, Translating “Computer in Medicine” book from English to Farsi 1993, Learning Setar (Persian traditional musical instrument) 1993-1996, Persian traditional singing 1989-1996, Karate, Black Belt DAN 1, 1989, Karate, Black Belt DAN 2, 1991, Research on “British Industrial revolution” 1987, Research on “Max Weber & Carl Popper’s theories” 1986, Research on “Persian Carpet” 1985

Hobbies

Volunteer social activities

Sport: Karate, Soccer, Tennis, Swimming, Mountain climbing

References

Dr. Brian Schmidt MD FRCP(C) Professor, Section of Neurology, Department of Medicine, University of Manitoba, brian@scrc.umanitoba.ca

Dr. Kathy Mullen PhD Professor, Department of Ophthalmology, Professor, McGill University, 687 Pine Avenue West, H4-14, Montreal Canada H3A1A1 kathy.mullen@mcgill.ca

Dr. Yahya Aghakhani MD FRCPC Assistant Professor, Section of Neurology, Department of Medicine, University of Manitoba, YAGHAKHANI@exchange.hsc.mb.ca

Dr. Robert Hess Ph.D. D.Sc. Director of Research, Department of Ophthalmology, Professor, McGill University, 687 Pine Avenue West, H4-14, Montreal Canada H3A1A1, robert.hess@mcgill.ca

Dr. Alireza Esteghamati M.D., Assistant Professor, Endocrine Department, Vali-asr Hospital, Tehran University of Medical Sciences, Keshavarz Blvd, Tehran 14197-33147, Iran esteghamati@sina.tums.ac.ir

Dr. Curtis Baker Ph.D., Professor, McGill University, 687 Pine Avenue West, H4-14, Montreal Canada H3A1A1, curtis.baker@mcgill.ca