

Curriculum Vitae

T. Mark Johnson, MD FRCSC

EDUCATION

Undergraduate: University of Western Ontario, London, Ontario, 9/88 – 6 / 90.
First and second year of BSc (Biology)

Graduate: University of Western Ontario, London, Ontario, 9/90 – 6/94, M.D.

POSTDOCTORAL TRAINING

1994 – 1995 University of Ottawa, Ottawa, Ontario, Department of Internal Medicine,
Basic Clinical Trainee (PGY 1), 7 / 94 – 6 / 95.

1995 – 1999 University of Ottawa, Ottawa, Ontario, Department of Ophthalmology,
Resident (PGY 2 – 5), 7 / 95 – 6 / 99.

1999 – 2001 University of Michigan, Kellogg Eye Center, Ann Arbor, Michigan,
Fellow, Vitreo – Retinal Surgery, 7 / 99 – 7 / 01.

ACADEMIC APPOINTMENTS

1999 – 2001 University of Michigan, Kellogg Eye Center, Ann Arbor, Michigan,
Lecturer

2001 – 2006 George Washington University
Clinical Assistant Professor

ATTENDING STAFF POSITIONS

1999 – 2001 Veterans Affairs Hospital, Ann Arbor, Michigan

2001 – present National Retina Institute, Chevy Chase, Maryland

2001 – 2006 Department of Ophthalmology, George Washington University Hospital,
Washington, DC

2001 – present Department of Ophthalmology, Suburban Hospital, Bethesda, Md

2001 – present Ocular Trauma Team, Suburban Hospital, Bethesda, Md

2001 – present Department of Ophthalmology, Greater Baltimore Medical Center, Baltimore,
Md

2004 – present Director of Fellowship Training, National Retina Institute, Chevy Chase,
Towson MD, Vienna VA

SCIENTIFIC ACTIVITIES

1998 - Present Reviewer, Canadian Journal of Ophthalmology
2000 – Present Reviewer, Retina
2000 – Present Reviewer, Ophthalmology
2000 – Present Reviewer, American Journal of Ophthalmology
2000 – Present Reviewer, Archives of Ophthalmology
2004 – Present Reviewer, Graefes Archives of Clinical and Experimental Ophthalmology
2007 – Present Reviewer, Evidence Based Ophthalmology

CERTIFICATION AND LICENSURE

Medical Licensure: State of Michigan 1999 – 2003
Commonwealth of Pennsylvania 1999 – 2003
State of Maryland 2001 – present
State of Virginia 2001 – present
District of Columbia 2001 - present

Board Certification: American Board of Ophthalmology 2001 - present
Fellow of Royal College of Surgeons of Canada 1999 – present

ACADEMIC HONORS / AWARDS

2001 Terry J. Bergstrom Faculty Teaching Award – University of Michigan
2000 W.K. Kellogg Eye Center Employee of the Month – November.
1999 University of Ottawa, Award of Excellence in Teaching of Residents and
Medical Students
1998 First Prize, Resident Research Day, University of Ottawa Department of
Ophthalmology
1997/98 Chief Resident in Ophthalmology
1994 Hewlett Packard Top Medical Graduate Award
1993 Dr. Charles E. Frost Medical Scholarship (awarded to student in class with
highest standing in clerkship)
1992 Alexander Hotson Memorial Scholarship (awarded to student with highest
standing in phase III)

C.V. Mosby Scholarship in Microbiology (awarded to student having highest standing in microbiology)

Toronto Eye Foundation Summer Scholarship

1991 Dr. Marvin Kwitko Scholarship in Anatomy (awarded to student having highest standing in anatomy)

Rix Family Award in Pathology (awarded to student having highest standing in pathology)

Toronto Eye Foundation Summer Scholarship

1990 Canada Science Scholarship

University of Western Ontario Faculty Senate Scholarship

1989 Canada Science Scholarship

University of Western Ontario Faculty Senate Scholarship

1988 Four Year Canadian Government Science Scholarship

Ontario Scholar

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

1990 – Present Canadian Medical Association

1990 – Present Ontario Medical Association

1995 – Present American Academy of Ophthalmology

1995 – Present Canadian Ophthalmological Society

1996 – Present Association for Research in Vision

TEACHING ACTIVITIES

University of Ottawa

1995 Pharmacologic Adjuvants in the Management of Proliferative Vitreoretinopathy.

1996 Non Steroidal Anti – Inflammatory Drugs. New Concepts of Actions and Side Effects.

1997 Macular Holes – an Update.

1997 – 99 Resident tutor for undergraduate medical training in ophthalmology.

1998 Role of Cyclodestructive Procedures in Ophthalmology.

1999 Risk of Stroke Associated with Oral Contraceptive Pills – A Critical Review.

University of Michigan

1999 – Present Co - ordinator fluorescein angiography rounds.

1999 Evidence Based Approach to the Management of Diabetic Retinopathy.

Developing Therapies for Subfoveal Neovascularization in Age Related Macular Degeneration.

2000 Management of HIV and CMV Retinitis in the Year 2000.

Vitreo Retinal Implications of Cataract Surgery.

Update on Posterior Segment Infections for the Internist.

Evidence Based Approach to the Management of Penetrating Ocular Trauma.

George Washington University / National Retina Institute

2001

Sept. 2001 CME Course : Identification and Management of Peripheral Retinal Tears

Nov. 2001 CME Course, Bethesda MD : Risk Factors for Age Related Macular Degeneration

2002

Feb. 2002 CME Course, Bethesda MD : Identification and Management of Macular Holes

April 2002 CME Course, Bethesda MD : Update on Diagnosis and Management of Dry Macular Degeneration

April 2002 Heidelberg CME Seminar, San Francisco CA : Feeder Vessel Treatment for Neovascular Macular Degeneration

May 2002 Grand Round George Washington University, DC : Quality of Life Analysis in Ophthalmic Studies

July 2002 Co-ordinator and Lecturer for Basic Science Course in Retinal Diseases, George Washington University, DC

September 2002 CME Course, Bethesda MD : Evidence Based Approach to the Management of Retinal Detachment.

November 2002 CME Course, Columbia MD : Update on Advances in Ocular Angiogenesis

2003

September 2003 CME Course, Chevy Chase MD : HIV and the Ocular Complications of AIDS

- 2004
- December 2003 CME Course, Chevy Chase MD : Pigmented Lesions of the Posterior Pole
 - February 2004 CME Course, Chevy Chase MD : Advances in Treatment of Exudative Macular Degeneration
 - June 2004 CME Course, Chevy Chase MD : Ocular Trauma
 - October 2004 CME Course, Chevy Chase MD : Update on Macular Degeneration
 - December 2004 CME Course, Chevy Chase MD : Review of Hereditary Retinal Degenerations
- 2005
- February 2005 CME Course, Chevy Chase MD : Update on Vitreo Macular Interface Disorders
 - April 2005 CME Course, Chevy Chase MD : Rheumatologic Issues in Ophthalmology
 - October 2005 CME Course, Chevy Chase MD : New Treatments for Wet Macular Degeneration
 - November 2005 CME Course, Chevy Chase MD : Peripheral Retinal Disorders
- 2006
- February 2006 CME Course, Chevy Chase MD : Screening for Diabetic Retinopathy
 - September 2006 CME Course, Chevy Chase MD : Updates on the Macular Degeneration
- 2007
- February 2007 SEE Seminar, Nassau, Bahamas : Approach to Clinical Epidemiology for Clinicians

COMMITTEES / ADMINISTRATIVE SERVICES

- 1992 - Present Elected to Board of Directors of the Toronto Eye Foundation
University of Western Ontario
- 1993 Committee member for the Undergraduate Medical Education Curriculum Review for Ophthalmology, University of Western Ontario.
University of Ottawa
- 1995 – 99 Member of Library and Educational Resource Committee. Department of Ophthalmology, University of Ottawa.

1997 – 98	Member of the Ophthalmology Program Review Committee for the Royal College of Physicians and Surgeons of Canada.
1997 – 98	Member of University of Ottawa Residency Review Committee for Royal College of Physicians and Surgeons of Canada.
1997 – 98	Resident Member of Research Committee, Department of Ophthalmology, University of Ottawa.
1997 – 98	Member of Resident's Selection Committee in Ophthalmology.
1999	Member of Ottawa Hospital Department of Ophthalmology Restructuring Committee.
<i>National Retina Institute</i>	
2002 – present	Member of Ocular Trauma Subsection, Suburban Hospital, Bethesda MD

CLINICAL TRIALS

1999 – 2001	Investigator, Protein Kinase C Inhibitor – Diabetic Retinopathy Study Investigator, Protein Kinase C Inhibitor – Diabetic Macular Edema Study. Investigator, Non Mydriatic Camera Screening of Diabetic Retinopathy in the VA Medical System.
2001 – Present	Investigator, Phase II/III Randomized Trial EyeTech Anti VEGF Aptamer for Exudative Age Related Macular Degeneration Investigator, Phase Ib Trial EyeTech Anti VEGF Aptamer for Clinically Significant Diabetic Macular Edema Investigator, Oculex Dexamethasone Implant Study
2002 – Present	Investigator, Genetech RhuFab Injection for Minimally Classic or Occult Exudative Age Related Macular Degeneration Study (MARINA) Investigator, Genetech RhuFab Injection for Classic Exudative Age Related Macular Degeneration Study (FOCUS)
2004 – Present	Principal Investigator, Randomized, Double Masked Placebo Controlled Trial of Denufosol Tetrasodium (INS37217) Intravitreal Injection in Subjects with Rhegmatogenous Retinal Detachment.
2005 - Present	Investigator, Genetech RhuFab Injection for Exudative Macular Degeneration (SAILOR, HORIZON) Principal Investigator, Genetech RhuFab Injection for Retinal Angiomatous Proliferation

PRESENTATIONS

1. Arshinoff S, D'Addario D, Sadler C, Bilotta R, Johnson TM. Use of topical nonsteroidal anti-inflammatory drugs in excimer laser photorefractive keratectomy. Symposium on Cataract, IOL and

Refractive Surgery, San Diego, CA, April 1992.

2. Arshinoff S, D'Addario D, Sadler C, Bilotta R, Johnson TM. Use of topical nonsteroidal anti-inflammatory drugs in excimer laser photorefractive keratectomy. 3rd American International Congress on Cataract, IOL and Refractive Surgery, Seattle, May 1993.
3. Johnson TM, Hill V, Sahai J, Brownstein S, Hodge WG. Rifabutin associated uveitis in a rabbit model. Clinical Features. Ocular Microbiology and Immunology Group Meeting. American Academy of Ophthalmology, Chicago, October 1996.
4. Leonard BC, Johnson TM. Single session maximum pan retinal photocoagulation. American Academy of Ophthalmology, Chicago, October 1996.
5. Johnson TM, Hill V, Sahai J, Brownstein S, Hodge WG. Rifabutin associated uveitis in a rabbit model. Pharmacologic Features. Resident Research Day. University of Ottawa. May 1997.
6. Johnson TM, Hill V, Sahai J, Brownstein S, Hodge WG. Rifabutin associated uveitis in a rabbit model. Clinical and Pharmacologic Features. Canadian Ophthalmology Society Meeting, Quebec City, June 1997.
7. Johnson TM, Gilberg S, Robertson S. Periorbital dirofilaria. Canadian Ophthalmology Society. Quebec City, June 1997.
8. Addison D, Johnson TM, Gilberg S, Robertson S. Periorbital dirofilaria. American Armed Forces Institute of Pathology Meeting, Bethesda, 1997.
9. Johnson TM, El – Defrawy S, Kertes P, Hodge WG, Leonard BC, Lillicrap D. Prevalence of activated protein C resistance and factor V leiden in central retinal vein occlusion. Resident Research Day, University of Ottawa, May 1998.
10. Johnson TM, Leonard BC, Hodge WG. Stress in central serous retinopathy re-visited. Canadian Ophthalmology Society, Calgary, June 1998.
11. Johnson TM, Johnson MW, Elner S, Schneiderman T, Perkovich B. Subretinal gas migration in optic disc pits – clinical insights into pathogenesis. Duke University Advanced Vitreo – Retinal Surgey Course. May 2000.
12. Johnson TM, Johnson MW, Elner S, Schneiderman T, Perkovich B. Subretinal gas migration in optic disc pits – clinical insights into pathogenesis. Association for Research in Vision Meeting, Fort Lauderdale, May 2000.
13. Johnson TM, Johnson MW, Elner S, Schneiderman T, Perkovich B. Subretinal gas migration in optic disc pits – clinical insights into pathogenesis. Canadian Ophthalmology Society / Canadian Retina Society. Whistler, B.C., June 2000.
14. Johnson MW, Johnson TM, Elner S, Schneiderman T, Perkovich B. Subretinal gas migration in optic disc pits – clinical insights into pathogenesis. Vitreous Society. Cancun, Mexico. January 2001.
15. Johnson TM, Luu JK, Glaser BM. Micropulse laser treatment of retinal choroidal anastomoses in age related macular degeneration. ARVO, Fort Lauderdale, May 2002.
16. Johnson TM, Luu JK, Glaser BM. Micropulse laser treatment of retinal choroidal anastomoses in age related macular degeneration. Canadian Ophthalmology Society, Hull, PQ, June 2002.

17. Johnson TM, Luu JK, Glaser BM. Micropulse laser treatment of retinal choroidal anastomoses in age related macular degeneration. Retina Congress. San Francisco CA, September 2002.
18. Johnson TM, Glaser BM. Laser ablation of retinal angiomatous proliferations. Canadian Ophthalmological Society, Halifax, NS, June 2003.
19. Johnson TM, Glaser BM. Laser ablation of retinal angiomatous proliferations. American Society of Retinal Surgeons. New York NY, August 2003.
20. Johnson TM, Glaser BM. Flexible intraocular rake for removal of epiretinal membrane. ARVO. Fort Lauderdale FL, May 2005.
21. Vaughn C, Johnson TM, Glaser BM. OCT examination of Pseudohole associated with Epiretinal Membrane. ARVO. Fort Lauderdale FL, May 2005.
22. Stephens J, Johnson TM, Glaser BM. High speed ICG findings in Central Serous Retinopathy. ARVO. Fort Lauderdale FL, May 2005.
23. Johnson TM, Glaser BM. Flexible intraocular rake for removal of epiretinal membrane. ASRS. Montreal PQ, July 2005.
24. Johnson TM. Surgical simulation in teaching ophthalmic surgery. SEE Annual Meeting. St.Thomas, USVI, February 2006.
25. Johnson TM. Diagnosis and management of AMD variants. SEE Annual Meeting. St.Thomas USVI. February 2006.
26. Johnson TM, Glaser BM. Anterior subtenon triamcinolone for management of macular edema secondary to retinal vascular disease. ARVO. Ft.Lauderdale FL, May 2006.
27. Glaser BM, Liotta LA, Espina V, Zhou W et al. Application of proteomic analysis to characterize the molecular pathways of the vitreous and retina in health and disease. ARVO. Ft.Lauderdale, FL. May 2006.
28. Johnson TM. Intravitreal ranibizumab in the treatment of Stage I and II retinal angiomatous proliferations. American Academy of Ophthalmology, Las Vegas NV, November 2006.
29. Johnson TM. Approach to clinical epidemiology for clinicians. Society for Excellence in Eye Care, Nassau, Bahamas, February 2007.
30. Johnson TM. Intravitreal ranibizumab in the treatment of Stage I and II retinal angiomatous proliferations. Association for Research in Vision. Fort Lauderdale FL, May 2007.

BIBLIOGRAPHY

Completed Publications in Scientific Journals

Peer Reviewed Publications

1. Arshinoff S, D'Addario D, Sadler C, Bilotta R, Johnson TM. Use of topical nonsteroidal anti-inflammatory drugs in excimer laser photorefractive keratectomy. J Cataract and Refract Surg. 1994;20

(suppl); 216 – 222.

2. Johnson TM, Desroches G. Rifabutin associated panuveitis in a pediatric patient. *J Ped Ophth and Strab.* 1998;35;119-121.
3. Johnson TM, Gilberg S, Robertson S. Periorbital dirofilaria. *Can J Ophth.* 1998;33;333-336.
4. Johnson TM, Kurtz RM, Musch DC. Incidence of vitreoretinal pathologic conditions within 24 months after laser in situ keratomileusis. (Letter) *Ophthalmology.* In Press.
5. Johnson TM, El – Defrawy S, Kertes P, Hodge WG, Leonard BC, Lillicrap D. Prevalence of activated protein C resistance and factor V leiden in central retinal vein occlusion. *Retina.* 2001;2;161-166.
6. Eibschitz-Tsinhoni M, Johnson MW, Johnson TM, Moroi SE. Coats disease as a cause of secondary open angle glaucoma. *American Journal of Ophthalmology.* In press.
7. Riddell J, McNeil SA, Johnson TM et al. Endogenous aspergillus endophthalmitis : Report of three cases and review of the literature. *Medicine.* 2002;81;311-20.
8. TM Johnson, MW Johnson. Subretinal Gas Migration in Optic Pits – Clinical Insights in Pathogenesis. *Arch Ophth.* *Arch Ophth.* 2004;122;1793-1800.
9. VEGF Inhibition Study in Ocular Neovascularization Clinical Trial Group. Pegaptanib for neovascular age-related macular degeneration. *New Engl J Med.* 2004;351;2805-16.
10. TM Johnson, BM Glaser. Micropulse Laser Modulation of Retinal-Choroidal Anastamoses in Exudative Macular Degeneration *Graefes Arch Clin Exp Ophth,* 2005;243;570-5.
11. TM Johnson, BM Glaser. Focal Ablation of Retinal Angiomatous Proliferation. *Retina.* 2006In Press.
12. Johnson TM, Glaser BM. Flexible rake for removal of epiretinal membrane. *Am J Ophth.* 2006;141:381-3.
13. Johnson TM, Vaughn C, Glaser BM. Vitreo-retinal traction associated with branch retinal vein occlusion. *Canadian J Ophth.* October 2006.
14. Rosenfeld PJ, Brown DM, Heier JS et al. Ranibizumab for neovascular age-related macular degeneration. *New Engl J Med* 2006;355;1419-31.
15. Kuppermann BD, Blumenkranz MS, Haller JA et al. Randomized controlled study of an intravitreal dexamethasone drug delivery system in patients with persistent macular edema. *Arch Ophthalmol.* 2007;125:309-317.
16. Barzideh N, Johnson TM. OCT evaluation of persistent subretinal fluid following vitrectomy for diabetic retinopathy. *RETINA.* 2007;27;740-3.
17. Boscarino M, Johnson TM. Macular perimetry in patients with multiple evanescent white dot syndrome. *Cdn J Ophthalmol.* 2007;42:743-5.

Non Peer Reviewed Publications

1. Johnson TM, Jackson WB. Clinical approaches to conjunctivitis. *Clinical Signs in Ophthalmology.* 1999;24 (1); 1-19.

Editor

1. Kertes PJ, Johnson TM. *Clinical Trials in Ophthalmology and Beyond*. Lippincott, Williams and Wilkins. 2006

Chapters in Books

1. Johnson TM, Hill V, Sahai J, Brownstein S, Hodge WG. Rifabutin Associated Uveitis in a Rabbit Model. In Ohno S et al (ed) : *Uveitis Today*, p 7 – 10. Amsterdam, Elsevier, 1998.
2. Johnson TM, Kurtz RM. Treatment of Retinopathy. In Williams R, Hermann W, Kinmonth AL et al. (ed) : *Evidence Base for Diabetes Care*, p.501-511. John Wiley and Sons, 2002.
3. Johnson TM, Johnson MW. Macular Disease. In Quillen DA, Blodi BA (ed) : *Clinical Retina*, p. 83-113. AMA Press, 2002.
4. Johnson TM, Glaser BM. Feeder Vessel Treatment. In *Age Related Macular Degeneration*. Lippincott 2005.
5. Johnson TM, Johnson MW. Epiretinal Membranes. In Yanoff and Duker *Ophthalmology*. In Press

Book Review

1. Johnson TM. Book Review : *John Hopkins Handbook of Ophthalmology*. *Can J Ophth*. 1998;33;3.
2. Johnson TM. Book Review : *Massachusetts Eye and Ear Infirmary Illustrated Manual of Ophthalmology*. *Can J Ophth*. 1999;34 (7); 411-2.

Abstracts

1. Leonard BC, Johnson TM. Single session maximum pan retinal photocoagulation. *Ophth*. 1996;103(suppl);125-126.
2. Johnson TM, Hill V, Sahai J, Brownstein S, Hodge WG. Rifabutin Associated Uveitis in a Rabbit Model. Pathologic Features. *Invest Ophth Vis Sci*. 1997: 38 (suppl); S1103.
3. Johnson TM, Hill V, Sahai J, Brownstein S, Hodge WG. Rifabutin Associated Uveitis in a Rabbit Model. Clinical and Pharmacologic Features. *Can J Ophth*. 1997: 32 (2); S33.
4. Johnson TM, Gilberg S, Robertson S. Periorbital dirofilaria. *Can J Ophth*. 1997: 32 (2); P12.
5. Johnson TM, Leonard BC, Hodge WG. Stress in central serous retinopathy re-visited. *Can J Ophth*. 1998
6. Johnson TM, El – Defrawy S, Kertes P, Hodge WG, Leonard BC, Lillicrap D. Prevalence of activated protein C resistance and factor V leiden in central retinal vein occlusion. *Invest Ophth Vis Sci*. 1999: 40 (suppl) S933.
7. Johnson TM, Johnson MW, Elner S, Schneiderman T, Perkovich B. Subretinal gas migration in optic disc pits – clinical insights into pathogenesis. *Invest Ophth Vis Sci*. 2000: 41 (suppl); S755.
8. Johnson TM, Johnson MW, Elner S, Schneiderman T, Perkovich B. Subretinal gas migration in optic disc pits – clinical insights into pathogenesis. *Can J Ophth*. 2000: 35 (2); A20.

9. TM Johnson, JK Luu, and BM Glaser. Micropulse Laser Modulation of Retinal-Choroidal Anastomoses in Exudative Macular Degeneration Invest. Ophthalmol. Vis. Sci. 2002 43: E-Abstract 2506.
10. Johnson TM, Glaser BM High Speed ICG Guided Focal Laser Treatment of Retinal Angiomatous Proliferations. Invest. Ophthalmol. Vis. Sci. 2003 44: E-Abstract 5034
11. CW Vaughn, TM Johnson and BM Glaser. Assessment of macular features differentiating macular pseudohole from idiopathic epiretinal membrane using optical coherence tomography. Invest Ophthalmol Vis Sci. 2005 46:E-Abstract 1575.
12. JN Stephens, TM Johnson and BM Glaser. High speed ICG evaluation of central serous retinopathy. Invest Ophthalmol Vis Sci. 2005 46:E-Abstract 4062.
13. Johnson TM, Glaser BM. Anterior subtenon steroid injection in the management of macular edema secondary to retinal vascular disease. Invest Ophthalmol Vis Sci 2006 47:E- Abstract 4243.
14. B.M. Glaser, L.A. Liotta, V.Espina, W.Zhou, S.Camerini, M.L. Polci, E.F. Petricoin, T.M. Johnson, V.Djafari, J.A. Kaplan. Application of Proteomic Analysis to Characterize the Molecular Pathways of the Vitreous and Retina in Health and Disease. Invest Ophthalmol Vis Sci 2006 47:E-Abstract 4865.