



Prof. Dr méd. Kaweh Mansouri

Consultant ophthalmologist

Profile

Languages

French, English, German, Persian, Italian

Work experience

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| since 2014 | Adjoint Professor, Department of Ophthalmology, University of Colorado School of Medicine, Denver, USA |
| 2012–2015 | Assistant Professor of Ophthalmology (“Chef de Clinique”), Department of Ophthalmology, University of Geneva, Switzerland <ul style="list-style-type: none">• Consultant Ophthalmologist, Glaucoma sector• Director, Policlinic• Medical director, Geneva eye bank• Examiner, Swiss Federal Medical Examination in Ophthalmology |
| 2009–2010 | Assistant Professor of Ophthalmology (“Chef de Clinique”), Department of Ophthalmology, University of Geneva, Switzerland <ul style="list-style-type: none">• Consultant Ophthalmologist, Glaucoma sector |

Education

- | | |
|-----------|--|
| 2010–2012 | Fellowship: Hamilton Glaucoma Center, University of California, San Diego, CA; Clinical activities under Section 2111. |
| 2009 | European Board of Ophthalmology (EBO) |
| 2009 | Swiss Medical Association, Board of Ophthalmology (FMH) |
| 2007–2009 | Residency: University of Lausanne, Department of Ophthalmology, Jules Gonin Eye Hospital, Lausanne, Switzerland |
| 2006–2007 | Residency, University of Geneva, Department of Ophthalmology, Geneva, Switzerland |
| 2005–2008 | Public Health: University of Geneva, Switzerland |
| 2004–2006 | Associate Medical Officer, Prevention of Deafblindness Program, World Health Organization (WHO), Geneva, Switzerland |
| 2003–2004 | Residency, University of Basel, Department of Ophthalmology, Basel, Switzerland |
| 2000–2001 | University of Lausanne, Switzerland; ERASMUS Program |
| 1996–2003 | Medical University of Vienna, Vienna, Austria; Dissertation: “Randomized Controlled Trial Comparing a Rigid PMMA Implant With the Collagen Implant in Deep Sclerectomy.” |

Publications

Peer-reviewed research publications (Medline Indexed):

1. Leonardi M, Weinreb RN, **Mansouri K**. Finite element modeling of the human eye with viscoelastic material properties: a new paradigm for understanding the volume-pressure relationship. *Transl Vis Sci Technol*. Submitted for publication.
2. Liu JHL, **Mansouri K**, Weinreb RN. Determination of peak 24-h Intraocular Pressure Profile Using a Contact Lens Sensor. *PLOS One*. Submitted for publication.
3. **Mansouri K**, Weinreb RN, Liu JHL. Efficacy of a Contact Lens Sensor for Monitoring of 24-h Intraocular Pressure Patterns: Comparison with Tonometry. *PLOS One*. 2015 May 5;10(5):e0125530.
4. **Mansouri K**, Pajic B, Hafezi F. Effect of cigarette smoking on intraocular pressure. *J Cataract Refract Surg*. 2015 Mar;41(3):682-3.
5. Gisler C, Ridi A, Hennebert J, Weinreb RN, **Mansouri K**. Determination and quantification of circadian blink patterns using a contact lens sensor for intraocular pressure monitoring. *Transl Vis Sci Technol*. 2015 Jan 22;4(1):4.
6. Parekh A, **Mansouri K**, Weinreb RN, Korn B, Whipple K, Kikkawa D. Twenty-Four Hour Intraocular Pressure Monitoring in Patients Undergoing Orbital Decompression. *Clin Exp Ophthalmol*. 2014 Nov 7;8:2195-7.
7. **Mansouri K**, Medeiros FA, Tatham AJ, Marchase N, Weinreb RN. Reproducibility of Retinal and Choroidal Measurements of Swept-source Optical Coherence Tomography. *Am J Ophthalmol*. 2014 Feb 13. **Impact factor: 4.22**
8. **Mansouri K**, Medeiros FA, Weinreb RN. Global rates of glaucoma surgery. *Graefes Arch Clin Exp Ophthalmol*. 2013 Nov;251(11):2609-15. **Impact factor: 2.17**
9. Lisboa R, **Mansouri K**, Zangwill LM, Weinreb RN, Medeiros FA. Continuous Likelihood Ratios for Glaucoma Diagnosis using Spectral Domain Optical Coherence Tomography. *Am J Ophthalmol*. 2013 Nov;156(5):918-926.e2. **Impact factor: 4.22**
10. **Mansouri K**, Marchase N., Tatham A., Medeiros FA, Weinreb RN. Evaluation of Choroidal Changes After the Water Drinking Test using Swept-source Optical Coherence Tomography. *Ophthalmology*. 2013 Sep 7. **Impact factor: 5.45**
11. **Mansouri K**, Medeiros FA, Weinreb RN. Intraocular Pressure Changes During Sexual Activity. *Acta Ophthalmol*. 2013 Apr 23. doi: 10.1111/aos.12023. **Impact factor: 2.62**
12. **Mansouri K**, Tung J, Medeiros FA, Tafreshi A, Dorairaj S, Zangwill L, Weinreb RN. Semi-automated Quantification of β -Zone Parapapillary Atrophy Using Blue Light Fundus Autofluorescence. *Acta Ophthalmol*. 2013 Mar 18. doi: 10.1111/aos.12057. **Impact factor: 2.62**
13. **Mansouri K**, Medeiros FA, Liu JHL, Tafreshi A. Weinreb RN. Analysis of Continuous 24-h Intraocular Pressure Patterns in Glaucoma. *Invest Ophthalmol Vis Sci*. 2012 Nov 8. **Impact factor: 3.59**
14. Medeiros FA, Zangwill LM, Bowd C, **Mansouri K**, Weinreb RN. The Structure and Function Relationship in Glaucoma: Implications for Detection of Progression and Measurement of Rates of Change. *Invest Ophthalmol Vis Sci*. 2012 Aug 14. **Impact factor: 3.59**
15. **Mansouri K**, Medeiros FA, Tafreshi A. Weinreb RN. Continuous 24-hour Monitoring of Intraocular Pressure Patterns With a Contact Lens Sensor: Safety, Tolerability, and Reproducibility in Glaucoma Patients. *Arch Ophthalmol*. 2012 Aug 13:1-6. **Impact factor: 3.71**

16. **Mansouri K**, Liu JH, Tafreshi A, Medeiros FA, Weinreb RN. Positional Independence of Optic Nerve Head and Retinal Nerve Fiber Layer Thickness Measurements with Spectral-Domain Optical Coherence Tomography. *Am J Ophthalmol*. 2012 Jul 17. **Impact factor: 4.22**
17. Medeiros F, Zangwill L, **Mansouri K**, Lisboa R, Tafreshi A, Weinreb RN. Incorporating risk factors to improve the assessment of rates of glaucomatous progression. *Invest Ophthalmol Vis Sci*. 2012 Apr 24;53(4):2199-207. **Impact factor: 3.59**
18. **Mansouri K**, Weinreb RN, Liu JH. Effect of Aging on the Twenty-Four Hour Pattern of Intraocular Pressure in Different Body Positions. *Invest Ophthalmol Vis Sci*. 2012 Jan 10;53(1):112-6. **Impact factor: 3.59**
19. **Mansouri K**, Leite L, Medeiros FA, Zangwill L, Weinreb RN. Effect of Ocular Biomechanical Properties on the Thickness of the Retinal Nerve Fiber Layer Using the Ocular Response Analyser. *Am J Ophthalmol*. 2011 Oct 19. **Impact factor: 4.22**
20. **Mansouri K**, Mendrinós E, Shaarawy T, Dosso A. Visualization of the Trabeculo-Desemet's Membrane in Deep Sclerectomy: An In Vivo Confocal Microscopy Study. *Arch Ophthalmol*. 2011 Oct;129(10):1305-10. **Impact factor: 3.71**
21. **Mansouri K**, Iliev M, Brenner E, Shaarawy T. Compliance with glaucoma treatment and knowledge about glaucoma in the Swiss population. *Int Ophthalmol*. 2011 Oct 7. **Impact factor: 0.55**
22. **Mansouri K**, Mariani A, Ravinet E. Reconditioning of the trabeculo-descemet's membrane with the 532-nm Nd:YAG (SLT) laser after deep sclerectomy. *Eye (Lond)*. 2011 Sep 16. **Impact factor: 1.85**
23. **Mansouri K**, Shaarawy T. Continuous Intraocular Pressure Monitoring With a Wireless Ocular Telemetry Sensor: Initial Clinical Experience in Patients With Open Angle Glaucoma. *Br J Ophthalmol*. 2011 Jan 7. **Impact factor: 2.9**
24. **Mansouri K**, Estrela Silva S, Shaarawy T. Efficacy and tolerability of calcium antagonist flunarizine eye drops in glaucomatous patients: a pilot study. *J Glaucoma*. 2011 Oct;20(8):519-22. **Impact factor: 1.77**
25. Codreanu A, Tran VH, **Mansouri K**, Roy S, Mermoud A. In vivo study comparing an X-Shaped Polymethylmethacrylate and a Cylindrical Collagen Implant for Deep Sclerectomy. *Clin Experiment Ophthalmol*. 2010 Oct 25. **Impact factor: 1.97**
26. Razeghinejad MR, Hekmat V, **Mansouri K**. Acute-angle closure glaucoma as the presenting sign of hypertensive crisis. *Eye (Lond)*. 2010 Oct;24(10):1629-30. **Impact factor: 1.85**
27. Basso A, **Mansouri K**, Frueh BE, Guex-Crosier Y. Granulomatous uveitis and congenital cataract: a rare association. *Klin Monbl Augenheilkd*. 2010 Apr;227(4):306-8. **Impact factor: 0.51**
28. Mendrinós E, **Mansouri K**, Mermoud A, Shaarawy T. Long Term Results of Deep Sclerectomy with Collagen Implant in Pseudoexfoliative Glaucoma. *J Glaucoma*. 2009 Jun-Jul;18(5):361-7. **Impact factor: 1.77**
29. **Mansouri K**, Sommerhalder J, Shaarawy T. A prospective comparison of ultrasound biomicroscopy and anterior segment optical coherence tomography for evaluation of anterior chamber dimensions in European eyes with primary angle closure and primary angle closure glaucoma. *Eye (Lond)*. 2010 Feb;24(2):233-9. **Impact factor: 1.85**
30. **Mansouri K**, Ravinet E. Effect of different application depths of mitomycin-c in deep sclerectomy with collagen implant: a RCT. *Clin Experiment Ophthalmol*. 2009 Apr;37(3):286-92. **Impact factor: 1.97**

31. **Mansouri K**, Tran VH, Ravinet E, Schnyder CC, Mermoud A. Very Deep Sclerectomy With Collagen Implant Compared to Deep Sclerectomy With Collagen Implant: A Randomised Controlled Trial. *J Glaucoma*. 2010 Jan;19(1):24-30. **Impact factor: 1.77**
32. **Mansouri K**, Ravinet E. Argon laser iridoplasty in the management of uveitic acute angle-closure glaucoma. *European Journal of Ophthalmology*. Mar-Apr;19(2):304-6. **Impact factor: 0.96**
33. **Mansouri K**, Burgener ND, Bagnoud M, Shaarawy T. A prospective ultrasound biomicroscopy evaluation of changes in anterior segment morphology following laser iridotomy in European eyes. *Eye*. 2009 Nov;23(11):2046-51. **Impact factor: 1.85**
34. Adjaj E, **Mansouri K**, Borruat FX. Mitochondrial DNA (mtDNA) A3243G mutation associated with an annular perimacular retinal atrophy. *Klin Monatsbl Augenheilkd*. 2008 May;225(5):462-4. **Impact factor: 0.51**
35. **Mansouri K**, Orguel S, Mermoud A, Haefliger I, Flammer J, Shaarawy T. Fluctuations of IOP in Latanoprost Medically Controlled Versus Surgically Controlled Glaucomatous Patients: a Prospective Randomised Trial. *Br J Ophthalmol*. 2008 Mar;92(3):332-6. **Impact factor: 2.90**
36. **Mansouri K**, Shaarawy T, Mermoud A. Randomised Controlled Trial Comparing a Rigid PMMA Implant With the Collagen Implant in Deep Sclerectomy. *J Glaucoma*. 2006 Jun;15(3):264-270. **Impact factor: 1.77**
37. **Mansouri K**, Orgul S, Meier-Gibbons F, Mermoud A. Awareness about Glaucoma and Related Eye Health Attitudes in Switzerland: A Survey of the General Public. *Ophthalmologica*. 2006;220(2):101-8. **Impact factor: 1.42**
38. Shaarawy T, **Mansouri K**, Schnyder C, Ravinet E, Mermoud A. Eight-year Results of Deep Sclerectomy With Collagen Implant. *Cataract Refract Surg*. 2004 Jun;30(6):1225-31. **Impact factor: 2.26**

Peer-reviewed scientific reviews (Medline Indexed)

1. Nuyen B and **Mansouri K**. Methods for detecting IOP fluctuation in glaucoma patients. *J Ophthalmol*. (In Press). **Impact factor: 1.36**
2. **Mansouri K**, Weinreb RN. Ambulatory 24-h intraocular pressure monitoring in the management of glaucoma. *Curr Opin Ophthalmol*. 2015 May;26(3):214-20.
3. **Mansouri K** and Shaarawy T. Sub-conjunctival glaucoma surgery. *Middle East Afr J Ophthalmol*. (In Press).
4. **Mansouri K**. The road ahead to continuous 24-hour intraocular pressure monitoring in glaucoma. *J Ophthalmic Vis Res*. 2014; 9 (2) (In Print). **Impact factor: 0.2**
5. **Mansouri K**, Nuyen B, Weinreb RN. Swept-source optical coherence tomography and visualization of deep ocular structures. *Expert Rev Med Devices*. 2013 Sep;10(5):621-8. **Impact factor: 2.43**
6. **Mansouri K**, Weinreb RN, Medeiros FA. Is 24-hour Intraocular Pressure Monitoring Necessary in Glaucoma? *Sem Ophthalmol*. 2013 May;28(3):157-64. **Impact factor: 0.92**
7. **Mansouri K**, Medeiros FA, Weinreb RN. Technological Advances in Continuous 24-Hour Intraocular Pressure Monitoring. *Expert Rev Med Devices*. 2012 May;9(3):225-31. **Impact factor: 2.43**

8. **Mansouri K**, Medeiros FA, Weinreb RN. Continuous 24-Hour Intraocular Pressure Monitoring: Time for a Paradigm Change. *Swiss Med Wkly*. 2012 Mar 28;142. **Impact factor: 1.82**
9. **Mansouri K**, Leite L, Medeiros FA, Leung CK, Weinreb RN. Assessment of rates of structural change in glaucoma using imaging technologies. *Eye (Lond)*. 2011 Jan 7. **Impact factor: 1.85**

Editorial

1. Kahook MY, Seibold LK, SooHoo JR, **Mansouri K**, Sharaawy T. A nuanced approach to the surgical management of glaucoma. *Middle East Afr J Ophthalmol*. 2015 Jan-Mar;22(1):1.

Commentary (Medline Indexed)

1. **Mansouri K**, Medeiros FA, Liu JH, De Moraes CG, Weinreb RN. Analysis of 24-Hour IOP-related Pattern Changes After Medical Therapy. *J Glaucoma*. 2015 Apr 3.
2. **Mansouri K**, Medeiros FA, Tafreshi A, Weinreb RN. [Validity of the results of a contact lens sensor?--Reply](#). *JAMA Ophthalmol*. 2013 May;131(5):697-8. **Impact factor: 3.71**
3. Goldberg I, Jay Katz L, **Mansouri K**, Pakravan M, Yazdani S. [A refractive surgery candidate with optic nerve head cupping](#). *J Ophthalmic Vis Res*. 2012 Jul;7(3):248-56. **Impact factor: 0.2**
4. **Mansouri K**, Leite MT, Weinreb RN. 24-hour Perfusion Pressure in Glaucoma Patients. *Br J Ophthalmol*. 2011 Aug;95(8):1175-6. **Impact factor: 2.90**
5. **Mansouri K**, Medeiros FA, Weinreb RN. Letter to the editor: 24-hour versus daytime intraocular pressure phasing in the management of patients with treated glaucoma. *Br J Ophthalmol*. 2011 Jan 26. **Impact factor: 2.90**
6. **Mansouri K**, Shaarawy T. Will improvement of knowledge lead to improvement of compliance with glaucoma medication. Letter to the Editor. *Acta Ophthalmol*. 2009 Jun;87(4):468-9; author reply 469-71. **Impact factor: 2.62**
7. **Mansouri K**, Shaarawy T. Comparative safety profile between "modern" trabeculectomy and non-penetrating deep sclerectomy. Letter to the editor. *Bull Soc Belge Ophthalmol*, 303,1-2,2007. **Impact factor: (not yet calculated, new on Medline)**

Non-refereed publications

1. Nguyen B and **Mansouri K**. Fundamentals and Advances in Tonometry. *Asian Pacific J Ophthalmol*. (In Press)
2. **Mansouri K**, Goedkoop R, Weinreb RN. New devices for 24-h IOP monitoring. *US Ophthalmic Rev*. April 2013.

3. Nguyen B, **Mansouri K**, Weinreb RN. Ultrahigh-Definition Optical Coherence Tomography Imaging of the Lamina Cribrosa. *J Curr Glaucoma Prac. Sept. 2012*;
4. Rigal K, **Mansouri K**. Knowledge about glaucoma: questioning of 100 glaucoma patients. *Spektrum Augenheilkunde. 2008;252-255*;
5. **Mansouri K**, Onchocerciasis – few steps towards elimination. *Ophta 1/2007*
6. **Mansouri K**, Trachoma – the forgotten epidemic. *Ophta 7/2006*
7. **Mansouri K**, Mermoud A. Prevalence and causes of visual impairment in rural areas of Indian state of Andhra Pradesh. *Ophta 6/2005*.

Book chapters

1. **Mansouri K**. The Role of Circadian Intraocular Pressure in the Pathogenesis of Glaucoma. In: Juimenez-Roman, ed.: Rational Management of the Glaucoma Suspect Patient. The Frontier. 2015.
2. **Mansouri K**. Weinreb RN. Optical Coherence Tomography in Glaucoma. In: Grzybowski, eds. OCT in Central Nervous System Diseases. Springer, 2015.
3. Nuyen B. **Mansouri K**, Shaarawy T. Posttraumatic Glaucoma. In: Shaarawy, Crowston, Hitchings. Glaucoma. 2015. Elsevier.
4. **Mansouri K** and Shaarawy T. Surgical management of uveitic angle closure glaucoma. In: Becker eds. Surgical management of inflammatory disease. Springer, 2008.
5. **Mansouri K** and Shaarawy T. [Non-penetrating glaucoma surgery techniques]. In: Paletta Guedes R ed. Glaucoma Surgery. (Portugese) Sao Paulo, November 2008.
6. **Mansouri K** and Mermoud A. Very Deep Sclerectomy. In: Garg A ed. Glaucoma Diagnosis and Management. New Delhi: Jaypee Brothers, Medical Publishers, 2006.
7. **Mansouri K** and Mermoud A. VDS – or How to Increase Uveoscleral Outflow. In: Garg A ed. Step-by-Step Minimally Invasive Glaucoma Surgery. New Delhi: Jaypee Brothers, Medical Publishers, 2006.
8. **Mansouri K** and Shaarawy T. Postoperative Management of Non-Penetrating Glaucoma Surgery. In: Shaarawy T, Mermoud A eds. Atlas of Glaucoma Surgery. New Delhi: Jaypee Brothers, Medical Publishers, 2005.
9. **Mansouri K** and Shaarawy T. Le Syndrome pseudo-exfoliatif et glaucome pseudo-exfoliatif. In: Schnyder CC ed. Le Glaucome. Editions Elsevier, 2005.
10. Mermoud A, **Mansouri K**, Shaarawy T. Prise en charge postopératoire de la chirurgie non perforante. In: Schnyder CC ed. Le Glaucome. Editions Elsevier, 2005.

Technical reports

Mansouri K. Anti-ageing in Ophthalmology. Technological Assessment Report. 2007, Bern.

Editorial responsibilities

2014: **International Glaucoma Review (IGR)**, Contributing Editor

2014: **Middle East African Journal of Ophthalmology**, "Advances in Glaucoma Surgery";
Guest Co-Editor

2012: **Journal of current glaucoma practice**, Associate Editor

2013: **World Glaucoma Association, consensus series 9**, Faculty and Recording
Secretary

2011: **World Glaucoma Association, consensus series 8**, Faculty and Recording
Secretary

Review and referee work

Grant review

2013: **Research Grants Council, Hong Kong**, External reviewer

2011: **International Glaucoma Review**, Commentator

Book review

2011: Allingham eds. Shields Textbook of Glaucoma, Sixth Edition. J Glaucoma. 2012.

2004: Yanoff eds. Ophthalmology, 2nd edition. Inhouse review for Mosby editors.

Manuscript review for journals

2006:

Ophthalmology

American Journal of Ophthalmology

Archives of Ophthalmology

Investigative Ophthalmology and Visual Science (IOVS)

Survey of Ophthalmology

Acta Ophthalmologica

Journal of Glaucoma

Journal of Ocular Pharmacology and Therapeutics

Ophthalmic Research

Ophthalmic Epidemiology

PLOS

European Journal of Ophthalmology

Klin Monatsbl Augenheilkunde

Drugs & Aging

Expert Review in Ophthalmology

Middle East African Journal of Ophthalmology

BioMed Central Ophthalmology

Medical Engineering and Physics

International Glaucoma Review

European Ophthalmic Review

European Ophthalmic Report

Eye Reports

Media

Radio

2018:

- [Interview LFM "traitement glaucome 1"](#)
- [Interview LFM "traitement glaucome 2"](#)

2019:

- [Interview LFM dans le cadre de la Semaine Internationale du Glaucome](#)
- [Interview LFM "Chirurgie du glaucome"](#)
- [Interview LFM "Glaucome"](#)
- [Interview en vidéo pour les portes ouvertes Swiss Visio Montchoisi](#)
- [Interview LFM "La recherche sur le glaucome"](#)

2020 :

- [Interview LFM dans le cadre de la Semaine Internationale du Glaucome](#)

Presse

- Magazine 50+, éditions Mancassola, 2019 : ["Le glaucome, cette maladie méconnue qui touche 80 millions d'entre nous..."](#), Prof. Mermoud, Prof. Mansouri et Dr Gillmann
- UN Special, décembre 2019 : ["Glaucoma, a silent cause of sight loss"](#)

Accreditation

[Clinique de Montchoisi](#)

[Swiss Visio Network](#)

[Swiss Visio Montchoisi](#)

[Swiss Visio La Providence](#)

[Swiss Visio Eaux-Vives](#)

Specialties

[Ophthalmology](#)

[Ophthalmic surgery](#)

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Contact

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