

# MICHAEL T.W. BUTLER

BSc, MD, FRCSC

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## ACADEMIC APPOINTMENT

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**Clinical Assistant Professor**, UBC Department of Ophthalmology and Visual Sciences

## EMPLOYMENT AND HOSPITAL PRIVILEGES

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<b>Oculus Eye Centres of Excellence</b> Medical Director. Multi-site clinics offering a full range of ophthalmic and optometric care.	2019-Present
<b>Cambie Surgery Centre</b> Cataract and Refractive Lens Surgeon. Non-Hospital Surgical Facility.	2015-Present
<b>Coquitlam Cataract Centre</b> Cataract and Refractive Lens Surgeon. Non-Hospital Surgical Facility.	2017-Present
<b>Royal Inland Hospital, Interior Health Authority</b> Vitreoretinal Specialist. Hospital Consulting Privileges.	2012-Present
<b>Richmond Hospital, Vancouver Coastal Health Authority</b> Cataract Surgeon and Community Ophthalmologist. Hospital Locum Privileges.	2013-2019
<b>Mills Memorial Hospital, Northern Health Authority</b> Cataract Surgeon. Hospital Locum Privileges.	2015-2019
<b>Prince Rupert General Hospital, Northern Health Authority</b> Community Ophthalmologist. Hospital Consulting Privileges.	2015-2019
<b>Ridge Meadows Hospital, Fraser Health Authority</b> Cataract Surgeon and Community Ophthalmologist. Hospital Locum Privileges.	2016
<b>Kootenay Lake Hospital, Interior Health Authority</b> Vitreoretinal Specialist. Hospital Locum Privileges.	2015
<b>Burnaby General Hospital, Fraser Health Authority</b> Cataract surgery and Vitreoretinal Specialist. Hospital Locum Privileges.	2011-2014

## EDUCATION

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<b>Harvard Law School</b> Program on Negotiation and Leadership	2021
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<b>Bascom Palmer Eye Institute, University of Miami</b> <i>Miami, FL</i> International Visiting Scholar, Retina Service.	2011
<b>University of British Columbia</b> <i>Vancouver, BC</i> Diseases and Surgery of the Vitreous and Retina Fellowship.	2010-2011
<b>University of Ottawa</b> <i>Ottawa, ON</i> Ophthalmology Residency.	2005-2010
<b>University of Calgary</b> <i>Calgary, AB</i> Doctor of Medicine.	2002-2005
<b>University of Victoria</b> <i>Victoria, BC</i> Bachelor of Science with Distinction.	1997-2001

#### AWARDS & GRANTS

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American Academy of Ophthalmology - International Ophthalmologist Education Award	2018
UBC Teaching and Learning Enhancement Fund - Medical Education Grant (\$32,361)	2015
University of Ottawa Ocular Anatomy Course - First Prize	2006

#### PROFESSIONAL AFFILIATIONS

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BC Society of Eye Physicians and Surgeons (BCSEPS)  
 Fellow of the Royal College of Physicians and Surgeons of Canada  
 College of Physicians and Surgeons of British Columbia  
 College of Physicians and Surgeons of Alberta  
 BC Retinal Diseases Treatment Program - Program Registrant  
 Vitreous Buckle Society  
 Canadian Retina Society  
 American Society of Retina Specialists  
 American Academy of Ophthalmology - International Member  
 American Society of Cataract and Refractive Surgery  
 European Society of Cataract and Refractive Surgeons  
 Canadian Ophthalmologic Society  
 Licentiate of Medical Council of Canada  
 Canadian Medical Protective Agency  
 Doctors of British Columbia (BCMA)

- American Society of Retinal Specialists Meeting.** *San Antonio, USA* Oct 2021  
Noble J, Mandelcorn E, Butler M.  
An analysis of particle contamination and protein aggregation from syringes used for intravitreal injection.
- Canadian Ophthalmological Society Meeting.** *Quebec, Canada* June 2019  
Butler M. “Oops ...Vitreotomy for when you (rarely) need it”
- Canadian Ophthalmological Society Meeting.** *Ottawa, Canada* June 2016  
Butler M. “Intracameral Vancomycin: Hemorrhagic Occlusive Retinal Vasculitis (HORV)”
- American Society of Retina Specialists Meeting.** *Vienna, Austria* July 2015  
Choudhry N, Brent M, Butler M, Dhanda D, Dookeran R, Fielden M, Kapusta M, Noble J, Lederer D.  
*Initial Outcomes Following Intravitreal Ocriplasmin for Treatment of Symptomatic Vitreomacular Adhesion: A Canada-wide Study.* Poster.
- Canadian Ophthalmological Society Meeting.** *Victoria, Canada* June 2015  
Choudhry N, Brent M, Butler M, Dhanda D, Dookeran R, Fielden M, Kapusta M, Noble J, Lederer D.  
*Initial Outcomes Following Intravitreal Ocriplasmin for Treatment of Symptomatic Vitreomacular Adhesion: A Canada-wide Study.* Poster.
- Canadian Surgical Retina Meeting.** *Whistler, Canada* Feb 2014  
Butler M, Finlay K. An update on Intravitreal Ocriplasmin (Jetrea).
- Canadian Surgical Retina Meeting.** *Whistler, Canada* Feb 2011  
Butler M, Ma P, Kirker A. The first description of Retinal Manifestations of Calcifylaxis.
- ASCRS Annual Meeting.** *Boston, USA* Oct 2010  
Rocha G, Butler M, Butler A, Jackson B, Munger R, Griffith M. The femtosecond-UVA-riboflavin (FUR) technique.
- ESCRS Annual Meeting.** *Barcelona, Spain* Sept 2009  
Rocha G, Butler M. The femtosecond-UVA-riboflavin (FUR) approach to PKP.
- Entretiens Ophthalmologiques de L’Universite de Montreal.** *Los Cabos, Mexico* Apr 2009  
Rocha G, Butler M. Workshop: New paradigms in keratoconus management. Laser corneal surgery session.
- Ophthalmological Society of Alberta.** *Banff, Canada* Feb 2009  
Rocha G, Butler M. Engineering the Cornea.
- Emirates Ophthalmology Conference 2008.** *Dubai, UAE* Nov 2008  
Rocha G, Butler M. Applications of the Bioengineered Cornea
- Canadian Ophthalmological Society Meeting: Surgical Cornea.** *Whistler, Canada* June 2008  
Butler M, Rocha G, Butler AL. Introducing femtosecond-UVA-riboflavin (FUR) approach to PKP.
- Canadian Ophthalmological Society Meeting: Surgical Retina.** *Whistler, Canada* June 2008  
Butler M, Lesniak A, Tuli R. Should lamellar holes be operated on?

**Toronto Ophthalmological Society.** *Toronto, Canada*  
Rocha G, Butler M. Designer Corneal Surgery

May 2008

**Canadian Ophthalmological Society Meeting: Surgical Cornea.** *Vancouver, Canada* July 2004  
Butler M, Demong T. Outcomes of Triple vs. Sequential Procedures in Patients with Corneal Disease and Coexistent Cataract.

**American Academy of Ophthalmology Annual Meeting.** *Anaheim, USA* Nov 2003  
Huang P, Huang J, Butler M. Assessing visual outcomes of cornea transplant patients post LASEK treatment.

## PUBLICATIONS

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**Daftarian N, Lima A, Marozoff S, et al.** *Retinal Toxicity and HydroxyChloroquine Therapy (INTACT): protocol for a prospective population-based cohort study.* British Medical Journal Open. 2022;12:e053852.

**Rocha G, Butler M, Butler A, Hackett J.** *Femtosecond-UVA-Riboflavin (FUR) cross-linking approach to penetrating keratoplasty and anterior lamellar keratoplasty.* Saudi Journal of Ophthalmology. 2011. July/Sept;25(3), 261-267.

**Hasanee K, Butler M, Ahmed II.** *Capsular tension rings and related devices: current concepts.* Current Opinion in Ophthalmology. 2006. Feb;17(1):31-41.

**Ahmed IK, Butler M.** *Capsular Tension Devices for the Glaucoma Surgeon.* Glaucoma Today. Nov-Dec 2004:1-4.

## CLINICAL RESEARCH ACTIVITY

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**Public Health Research Network (PHRN). Protocol Number:2018-01 (Regatta).** 2020

**Regeneron Pharmaceutical, Inc. Protocol Number:VGFT-OD-0605.01 (VIEW 1)**

A Randomized, Double Masked, Active Controlled Phase III Study of the Efficacy, Safety, and Tolerability of Repeated Doses of Intravitreal VEGF Trap in Subjects with Neovascular Age-Related Macular Degeneration. 2011.

**Regeneron Pharmaceutical, Inc. Protocol Number:VGFT-OD-0819 (CRVO)**

A Randomized, Double Masked, Active Controlled Phase III Study of the Efficacy, Safety, and Tolerability of Repeated Doses of Intravitreal VEGF Trap in Subjects with Macular Edema Secondary to Central Retinal Vein Occlusion (CRVO). 2011.

**GlaxoSmithKline Identifier: MD7110852 (GSK)**

A Phase 2 dose-ranging study of pazopanib eye drops for the treatment of neovascular age-related macular edema (AMD). A One Year Study of Eye Drops and Eye Injections to Treat Wet Age-related Macular Degeneration (AMD). 2011.

## ADMINISTRATIVE EXPERIENCE

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- Chair of “Angle and Retina Journal Club”** 2019-Present  
CME accredited Journal Club with 10 members discussing all aspects of Ophthalmology.
- Journal Review for “Case Reports in Ophthalmology”** 2020  
Missing Internal Limiting Membrane during Macular Hole Repair in Alport Syndrome.
- UBC Dept. of Ophthalmology Resident Journal Club** 2017  
Journal club host and Faculty Supervisor - Retina.
- UBC Dept. of Ophthalmology Grand Rounds** 2014  
Session coordinator and facilitator of visiting lecturer (Dr. D.W. Parke III).
- Chief Resident (extended term)** – Dept. of Ophthalmology, University of Ottawa 2008-2009  
Organized schedules for clinics, electives, Grand Rounds, teaching, and call for 14 residents in 3 hospitals. Served for extended term.
- Ophthalmology Residency Admissions Committee** – University of Ottawa 2010  
Interviewed and reviewed the applicants to the residency program.
- General Council - Professional Association of Interns and Residents of Ontario** 2007-2009  
Elected by resident peers to represent Ottawa site at PAIRO General Council committee.
- Program Admin. Committee** – Dept. of Ophthalmology, University of Ottawa 2006-2009  
Critical appraisal of program-related activities. Assisted in design of wet lab curriculum. Contributed to CanMeds roles analysis.
- Founder and Host, Christmas in Vancouver Charity Gala** – Vancouver, BC 1999-2007  
Lead organizational committee to plan and fundraise for this annual event for over 300 guests. 7 galas have been held raising over \$30,000 for third world eye care development.
- Course Planner, Intro to Ophthalmology** – Dept. of Ophthalmology, University of Ottawa 2007  
Created curriculum and sessional material for PGY-2 ophthalmology residents.
- Medical Admissions Committee** – University of Calgary 2004  
Interviewed and reviewed the applicants to the medical program.

## PRESENTATIONS / INVITED LECTURES

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- Canadian Ophthalmological Society Meeting. Quebec, QC** June 2019  
Faculty member for Cataract Surgery session (panel member).
- BC Optometry Meeting. Vancouver, BC** May 2019  
Session Speaker: “Update on Cataract Surgery.”
- American Academy of Ophthalmology Meeting. Chicago, USA** Oct 2018  
Panel member - Lead discussion and answered questions regarding IOL innovations.

<b>Canadian Society of Ophthalmic Registered Nurses.</b> <i>Vancouver, BC</i> Keynote Speaker - Lecture on Cataract surgery history and future frontiers.	June 2018
<b>BC Optometry Fair.</b> <i>Vancouver, BC</i> Session Lecturer: "New Advances in Cataract Surgery and Co-Management in BC"	Feb 2018
<b>Advanced Optical Coherence Tomography Education and Training.</b> <i>Burnaby, BC</i> Lecturer and workshop leader for 70 Optometry registrants.	Feb 2017
<b>Canadian Ophthalmological Society Meeting.</b> <i>Ottawa, ON</i> Faculty member for Cataract Surgery session (panel member).	June 2016
<b>"Young Guns" of Ophthalmology.</b> <i>Miami, USA</i> Case discussions during retina forum.	May 2015
<b>"Young Guns" of Ophthalmology.</b> <i>Huntington Beach, USA</i> A sneaky case of ocular syphilis.	May 2014
<b>"When and why to switch intravitreal medications in neovascular AMD"</b> <i>Vancouver, BC</i> Case study and personal experience discussion.	Nov 2014
<b>BC Optometrists Annual Meeting.</b> <i>Vancouver, BC</i> Ophthalmic Update: Retina.	April 2014
<b>"An Evening with an Expert"</b> <i>Whistler, BC</i> Case discussions on initial Experience with JETREA.	Feb 2014
<b>PEERS Journal Club.</b> <i>Vancouver, BC</i> Lead discussion & reviewed articles related to timing of Retinal Detachment Surgery.	Nov 2013
<b>"Current Topics in Ophthalmology"</b> <i>Richmond, BC</i> Clinical and surgical updates in ophthalmology.	June 2013
<b>"21st Century" Optometry Symposium.</b> <i>Vancouver, BC</i> Vitreoretinal techniques past, present & future	May 2013
<b>Burnaby "Ocular Health Symposium".</b> <i>Burnaby, BC</i> Clinical and surgical advances in retina.	April 2013
<b>Abbotsford Ophthalmology Journal Club.</b> <i>Abbotsford, BC</i> Reviewed AMD treatment options.	Oct 2012
<b>"Managing Patients with AMD, DME, and RVO"</b> <i>Burnaby, BC</i> Review of recently published guidelines.	Sept 2012
<b>Richmond Hospital Grand Rounds.</b> <i>Richmond, BC</i> Emerging trends in Retina.	Mar 2012
<b>Dept. of Ophthalmology Research Day, University of Ottawa.</b> <i>Ottawa, ON</i> Butler M, Jackson WB, Rocha G, Griffith M, Hackett J. Femtosecond-UVA-Riboflavin-Synthetic approach to ALK.	May 2009

**Dept. of Ophthalmology Research Day, University of Ottawa. Ottawa, ON** May 2008  
Butler M, Rocha G. Testing the FUR (femtosecond-UVA-Riboflavin) approach to PKP.

**Dept. of Ophthalmology Research Day, University of Ottawa. Ottawa, ON** May 2007  
Butler M, Rocha G. Introducing and assessing FUR (femtosecond-UVA-Riboflavin) approach to PKP.

**Grand Rounds**– *University of Ottawa Department of Ophthalmology*

<b>Kearns-Sayre Syndrome: A Mitochondrial Disorder.</b>	2009
<b>Iridodialysis: Considerations and Management.</b>	2009
<b>CAR: A Paraneoplastic Disorder.</b>	2009
<b>The Evolving Face of Ophthalmic Research: An Update on Clinical Research Conduct</b>	2008
<b>Giving Feedback: There is a right way!</b>	2008
<b>Endocapsular Support Devices: An Overview.</b>	2007
<b>Role of UVA-Riboflavin Collagen Cross-linking.</b>	2007
<b>Conjunctival Intraepithelial Neoplasia.</b>	2007
<b>Congenital Cataracts.</b>	2006
<b>An Update on Vision and Driving in Ontario.</b>	2006

**TEACHING AND DEVELOPMENT**

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**UBC Medical Student Teaching.** 2012-Present  
Clinical general ophthalmology teaching

**Canadian Ophthalmological Society Surgical Instructor.** June 2019  
Wetlab faculty member for Anterior Vitrectomy course.

**Canadian Ophthalmological Society Surgical Instructor.** June 2017  
Faculty member and Wetlab instructor for cataract surgery course (ant vit) at COS meeting

**UBC Dept. of Ophthalmology Faculty Supervisor.** May 2017  
Faculty Supervisor for 2 week Research Elective (Dr. G Law)

**BC College of Physicians and Surgeons Ophthalmology Supervisor.** 2016-2017  
Fraser Health Authority Supervisor for Dr. Riley Hall

**University of Toronto Rotman School of Management.** 2015-2017  
Selected as an Emerging Leader of Canadian Ophthalmology (ELP)

**Canadian Ophthalmological Society Surgical Instructor.** June 2016  
Lead Wetlab session on anterior vitrectomy during cataract surgery (COS meeting)

**UBC Resident Surgical Teaching.** 2013-2015  
Instructed surgical (anterior segment) teaching in OR

**Ophthalmology Medical Student Handbook.** 2013-2015  
Advising and guiding medical student initiative to compose a Review of Ophthalmology

**‘Young Guns of Retina Meeting’ Panel Member.** 2013  
Discussed cases and topics related to issues introduced by presenters

<b>UBC Ophthalmology &amp; Visual Sciences 29th Annual Research Day.</b> Session Moderator. <i>Stem Cell and Surgical Therapy</i> Section	2013
<b>UBC Ophthalmology Journal Club</b> <i>UBC Resident Journal Club.</i> Lead discussion of current and emerging treatment options for Dry AMD	2011
<b>Intro to Ophthalmology Residency Course</b> – <i>University of Ottawa Eye Institute</i> Lead teaching sessions for PGY-2 ophthalmology residents discussing basic eye exam	2008-2009
<b>Presenter</b> <i>Qikiqtani General Hospital (Iqaluit, NU)</i> Lead session for emergency physicians entitled “Swollen Discs: Is this Papilledema?”	2009
<b>Lecturer and Session Moderator</b> – <i>University of Ottawa School of Medicine</i> Lead practical sessions for medical students during ‘Special Senses’ block	2007-2009
<b>Reviewing AMD treatments. What do the studies show?</b> Meeting attended by residents and retina staff of the University of Ottawa. Reviewed the MARINA trial and lead Discussion	2008
<b>Associate Editor “UC Aid” Curriculum Development PDA Software Project.</b> Responsible for development of ophthalmology educational material	2004
<b>Co-Author of University of Calgary Ophthalmology Teaching Manual.</b> Co-authored booklet entitled “Common Eye Problems: Treatment, Diagnosis and Therapeutic Advances” used for Neurosciences Course at the University of Calgary School of Medicine	2004

## ACCREDITATIONS

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Rotman School of Management Emerging Leaders in Ophthalmology Program (Toronto)	2015-2017
AMO Catalys Femtosecond Cataract Surgery Course (Vancouver)	June 2015
ESCRS Invictus Femtosecond Cataract Surgical Course (Amsterdam)	Oct 2013
“Macular Edema” EuRetina Course (Milan)	Sept 2012
“Advanced Vitrectomy” EuRetina Course (Milan)	Sept 2012
“Managing Diabetic Macular Edema: Pearls and Pitfalls” EuRetina Course (Milan)	Sept 2012
Retina Fellows Forum (Chicago)	Feb 2011
Wills Eye Hospital Ophthalmology Course (Philadelphia)	Mar 2010
16 <sup>th</sup> Annual San Antonio Ophthalmology Course (San Antonio)	Mar 2010
IER: Illinois Eye Review Course (Chicago)	April 2010
15 <sup>th</sup> Annual San Antonio Ophthalmology Course (San Antonio)	Mar 2009
Johnson & Johnson Contact Lens Course (Jacksonville)	Sept 2008
Brandon Ophthalmic Surgery Course (Ottawa)	June 2008
Ophthalmology Laser Safety Course (Toronto)	June 2006
University of Toronto Basic Science Ophthalmology Course (Toronto)	June 2006
Advanced Cardiac Life Support (Ottawa)	July 2005



## WORLD OPHTHALMOLOGY

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- Iqaluit, Nunuvut** – *University of Ottawa Eye Institute Outreach* June 2009  
Clinical and surgical ophthalmic care serving the population of Baffin Island.
- Vietnam** – *EMAS Medical Aid to Vietnam* Feb 2009  
Member of 45-person team that provided free medical and dental aid to Vietnam's rural populations. Over 1000 patients seen daily. Cataract surgery provided to those in need.
- Tokyo, Japan** – *Mitsoui Memorial Hospital* June 2003  
Mentored by Dr. T Akahoshi in OR. 40 cataract surgeries daily.
- Santa Barbara, USA** – *SEE (Surgical Eye Expeditions) Annual Fundraiser* July 2003  
Provided information regarding ophthalmic expeditions to third world environments.
- Cambodia** – *Third World Eye Care Society* Feb 2002  
Member of team delivering eye care to the poor population of rural Cambodia. Over 300 patients seen daily over 2 weeks. Eye examinations, glasses and cataract surgery provided.
- Calcutta, India** – *Mission of Mercy Hospital and Research Center* Aug 2001  
Volunteered at General Hospital (Casualty and Ophthalmology units). Ventured to the Calcutta's slums to administer basic medical attention. Assisted at feeding lines.