

THE UNIVERSITY OF BRITISH COLUMBIA

Curriculum Vitae for Faculty Members

Date completed: 24Mar2008

Signature to verify date of completion:



1. **SURNAME:** Schertzer, MD, FRCSC
FIRST NAME: Robert
MIDDLE NAME(S): Michael
2. **DEPARTMENT/SCHOOL:** Ophthalmology
3. **FACULTY:** Medicine
4. **PRESENT APPOINTMENT:** Clinical Assistant Professor
SINCE: April 2003 – present

5. **POST-SECONDARY EDUCATION**

University or Institution	Degree	Subject Area	Dates
Marionopolis College (CEGEP)	D.C.S.	Science	1978-80
University of Waterloo		Science	1979
McGill University	B. Sc.	Physiology	1980-83
Dalhousie University	M.D.	Medicine	1983-88
Dalhousie University		Rotating Internship	1988-89
McGill University		Ophthalmology Residency	1989-94
Dartmouth College		Glaucoma Fellowship	1994-95
University of British Columbia	M.Ed.	Adult Education	2000-2005

Special Professional Qualifications:

An Ophthalmologist sub-specialized in glaucoma with a special interest in improving access to patient care and physician education through computer integration of clinical and diagnostic information. I have developed a high level of expertise with national recognition (peer reviewed publications and invited speaking engagements) for my work in Glaucoma drainage valves. I completed my Masters in Education at UBC in 2005 focusing on curriculum reform to train our future ophthalmologists to meet the needs of the community in which they will practice.

6. EMPLOYMENT RECORD**6.1 Prior to coming to UBC**

University, Hospital, Practice or Organization	Appointment Title	Dates
University of Michigan Health System	Clinical Assistant Professor	January 1996 – October 1999

6.2 At UBC

Appointment Title	Dates	Description (tenured, tenure-track, clinical)
Assistant Professor Ophthalmology	November 1999 – April 2003	Tenure-track (educator)
Clinical Assistant Professor Ophthalmology	April 2003 – present	Clinical

7. LEAVES OF ABSENCE

University, Hospital, Practice or Organization at which Leave was taken	Type of Leave	Dates
All UBC committee work	Medical leave after acute M.I.	March 31, 2005 – March 31, 2006

8. TEACHING DOSSIER**8.1 PERCENTAGE OF OVERALL TIME DEVOTED TO:**

8.1.1	non-clinical instruction	
8.1.2	clinical instruction	20%
8.1.3	research/publication	10%
8.1.4	administration	5%
8.1.5	clinical practice	65%
8.1.6	other (specify)	_____
		100%

8.2 AREAS OF SPECIAL INTEREST AND ACCOMPLISHMENTS: (Maximum One Page)

I have been in full-time glaucoma clinical practice in an academic setting since 1996. My special interests have shifted over the years while balancing being a husband, father of two, physician, graduate student, and educator. Suffering a heart-attack in 2005 made me learn the importance of prioritizing goals to work through each of them.

In my four years at University of Michigan, while teaching ophthalmology residents and glaucoma fellows, I had the opportunity of conducting clinical research and developing a series of interactive CD ROMs to teach ophthalmic surgical procedures (originally started during my glaucoma fellowship at Dartmouth College.) This series, called Multimedia Oculosurgical Modules (MOM) was the top selling ophthalmic title for Mosby, Inc, the leading publisher in ophthalmology.

Although my main interest when joining the University of British Columbia department of Ophthalmology in 1999 was the use of computers to provide distance learning to other ophthalmologists and general practitioners, my focus has shifted since starting my Masters in Adult Education in 2000. It has become clearer that the needs of the practicing physician have not been properly assessed in all specialty areas of medicine. There is a great deal of work in planning curriculum that should be based on fulfilling the needs of the community physicians.

I was appointed Director of Undergraduate Education for Ophthalmology in January of 2002, but had to stop suddenly in March 2005 due to my heart attack. As undergraduate director, I developed a mini-clinical evaluation exercise ("mini-CEX") to assess medical students' mastery of key aspects of the eye exam during their third-year rotation in Ophthalmology. During promotion committee meetings, I helped argue for giving students more opportunities to be successful in their studies. Monthly medical school expansion meetings allowed me to bring my expanding knowledge of distributed learning to the committee from my CD authoring, M.Ed. coursework and establishment of our departmental grand rounds on the web. I was beginning to work on a new ophthalmology curriculum for the medical students to meet the needs of general practitioners that many of them would become when I had to step down. I would still like to complete this work.

I continue to enjoy teaching to small groups of eye care professionals and general practitioners. In addition to providing interactive discussions to groups of physicians over dinners sponsored by industry, I have had more in-depth experience in developing educational modules in glaucoma for national distribution for Merck-Frosst Canada, Pfizer, and Alcon Canada. In 2006 I also led a joint project with the Canadian Ophthalmological Society, Pfizer, and the Canadian Medical Association Practice Solutions team in developing a teaching module on practice management. I have also worked on consensus panels sponsored by Allergan. It has been rewarding to collaborate with glaucoma specialists from across Canada to develop these educational programs.

I completed my Masters in Education work in 2005 with two studies, one published and the other being revised. The first looked at the practice patterns of all glaucoma specialists in Canada to determine whether we have enough manpower and other resources to care for the growing population of glaucoma patients over the next generation. The second study looked at what the general ophthalmologists in urban and rural settings in BC need to know about ophthalmology, to make sure we are teaching this in our Residency Training Program. This is a very exciting area that may serve as a model for curriculum planning in Residency Training Programs in Canada. This report was presented to our residency training committee and parts were adopted into our new curriculum. Full implementation would require some major changes in rewarding clinicians for their teaching efforts. I now have a solid background for further work locally and nationally in medical curriculum development.

Not only should we train residents with the skills needed in different communities of the province, we must teach them how to become lifelong learners and help keep their knowledge base up-to-date. I brought our grand rounds to the web from 2001-2004 when I was organizing grand rounds (www.medicalrounds.com/irounds), through unpaid volunteers. It is important as an academic department that we take the lead in knowledge exchange at least within our province if not beyond.

CLASSROOM INSTRUCTION: (lectures, seminars, tutorials, courses, labs, exams as well as curriculum development). Provide titles and number of hours. (NOTE: use section 8.3 for undergraduate medical student teaching and section 8.4 for other undergraduate and graduate student classroom teaching).

8.3 UNDERGRADUATE MEDICAL STUDENT TEACHING

Year	Session	Course	TEACHING ACTIVITIES (Hours Expended) November 1999 – December 31, 2007					
			Presentation of Lectures, Seminars	Supervision of Student Seminars, Tutorials	Supervision of Labs	Exams: - Preparation ^a - Supervision ^b	Curriculum Development & Administration	Total Corrected Hours Per Session/Course
			Total Time	Total Time	Total Time	Total Time	Total Time	Total Time
1999		Phase II	3 x 5 = 15				1 x 1.5 = 1.5	16.5
2000		Phase III & IV			1.5 x 1.5 = 2.3		14 x 1.5 = 21	23.3
2001		Phase IV					6.5 x 1.5 = 9.8	9.8
2002		Phase IV					24.5 x 1.5 = 36.8	36.8
2003		Phase IV					4.5 x 1.5 = 6.8	6.8
2004		Phase IV					19.5 x 1.5 = 29.3	29.3
2005		3 rd year					2.5 x 1.5 = 3.8	3.8
TOTAL HOURS:			15		2.3		109	126.3
TIME DEFINITIONS:			per each hour scheduled = 5 hrs for new presentation per each hour scheduled = 2.5 hrs (for repeat)	per each hour scheduled = 1.5 hrs	per each hour scheduled = 1.5 hrs	^a per complete exam = 5 hours (to prepare) ^b per each scheduled hour = 1.0 hr (to supervise)	per each scheduled hour of meeting time = 1.5 hours	

8.4 ALL OTHER UNDERGRADUATE AND GRADUATE STUDENT TEACHING (ie; Schools of the Faculty of Medicine, Other Faculties (Dentistry, Nursing etc.): For Graduate Student Research Supervision – see 8.6.

Year	Session	Course	TEACHING ACTIVITIES (HOURS EXPENDED) November 1999 – December 31, 2007					
			Presentation of Lectures, Seminars (FPS)	Supervision of Student Seminars, Tutorials (FSS)	Supervision of Labs	Exams: - Preparation ^a - Supervision ^b	Curriculum Development & Administration	Total Corrected Hours Per Session/Course
			Total Time	Total Time	Total Time	Total Time	Total Time	Total Time
1999				3 x 1.5 = 4.5				4.5
2000				4 x 1.5 = 6				6.0
2001				6 x 1.5 = 9				9.0
2002			5 x 5 = 25	2 x 1.5 = 3				28.0
2003				0				0.0
2004				6 x 1.5 = 9				9.0
2005				5.5 x 1.5 = 8.3				8.3
2006				5 x 1.5 = 7.5	1.25 x 1.5 = 1.88			9.4
TOTAL HOURS:			25	47.3	1.88			74.2
TIME DEFINITIONS:			per each hour scheduled = 5 hrs for new presentation per each hour scheduled = 2.5 hrs (for repeat)	per each hour scheduled = 1.5 hrs	per each hour scheduled = 1.5 hrs	^a per complete exam = 5 hours (to prepare) ^b per each scheduled hour = 1.0 hr (to supervise)	per each scheduled hour of meeting time = 1.5 hours	

8.5 SUPERVISION OF RESIDENTS/FELLOWS/STUDENTS WITH & WITHOUT CLINICAL SERVICE DELIVERY November 1, 1999 – December 31, 2007.

(Bedside, Ambulatory, Surgical, Laboratory, Radiology, etc...)

<u>Description</u> (Office-based, Ambulatory Clinic, O.R.-based, Lab-based, Procedural, CTU Attending, Ward Rounds...)	<u>Types of Trainee</u> (Undergraduate, Housestaff, Fellow, Mixed, Other...)	<u>Total Time [hrs]</u>		<u>Total [hrs]</u> Total = service + nonservice-related hours
		¹ Service-related	² Nonservice-related	
Office (&O.R.) 1999	Fellow	48 x 0.3 = 14.4	3	17.4
Office (&O.R.) 1999	Housestaff	6 x 0.3 = 1.8		1.8
Office (&O.R.) 2000	Fellow	54 x 0.3 = 16.2		16.2
Office (&O.R.) 2000	Housestaff	60 x 0.3 = 18.0		18
Office (&O.R.) 2000	Undergraduate	111 x 0.3 = 33.3		33.3
Office (&O.R.) 2001	Fellow	21 x 0.3 = 6.3		6.3
Office (&O.R.) 2001	Housestaff	115 x 0.3 = 34.5		34.5
Office (&O.R.) 2001	Undergraduate	99 x 0.3 = 29.7		29.7
Clinical Research 2001			6	6
Research & Alumni Day 2001	Mixed		25	25
Office (&O.R.) 2002	Fellow	122 x 0.3 = 36.6		36.6
Office (&O.R.) 2002	Housestaff	256 x 0.3 = 76.8		76.8
Research & Alumni Day 2002		11 x 0.3 = 3.3		3.3
Office (&O.R.) 2003	Fellow	none		0.0
Office (&O.R.) 2003	Housestaff	192 x 0.3 = 57.6		57.6
Office (&O.R.) 2003	Undergraduate	16 x 0.3 = 4.8		4.8
Office (&O.R.) 2004	Fellow	204 x 0.3 = 61.2		61.2
Office (&O.R.) 2004	Housestaff	245 x 0.3 = 73.5		73.5
Office (&O.R.) 2005	Fellow	39 x 0.3 = 11.7		11.7
Office (&O.R.) 2005	Housestaff	164 x 0.3 = 49.2		49.2
Office (&O.R.) 2005	Undergraduate	24 x 0.3 = 7.2		7.2
Office (&O.R.) 2006	Fellow	249 x 0.3 = 74.7		74.7
Office (&O.R.) based 2006	Housestaff	142 x 0.3 = 42.6		42.6
Office (&O.R.) 2007	Fellow	323 x 0.3 = 107		107

Office based 2007	Housestaff	155 x 0.3 =	51		51
TOTAL HOURS			811		845
¹ Per hour of Service-related Supervision = 0.3 hours ² Per hour of Non-service-related Supervision = 1.0 hours (ie; beyond the bedside, etc...)					

8.6 SUPERVISION OF GRADUATE STUDENT RESEARCH (MUST BE ENROLLED IN THE FACULTY OF GRADUATE STUDIES) – Not Applicable

Student Name	Program Type (M.Sc., Ph.D.)	Year		TOTAL TIME Per each hour of direct contact time = 1.0 hours				
		Start	Finish	Principal Supervisor	Co-Supervisor	Advisory Committee	Comp Exams	Thesis Defence

8.7 Teaching/Supervision of other trainees or professionals not included above (*elective, visiting or summer* - students, research fellows, scientists, practitioners etc.)

Faculty or School Program	Description	# Trainees	# Weeks	Year	TOTAL TIME Per each hour of direct contact time = 1.0 hours		
					Service-related	Nonservice-related	Total = service + nonservice-related hours
Ophthalmologists	Speaking engagements listed in 8.8 (see below)			2000 - 2007			
Optometrists							
Nurses							
TOTAL Time Committed							

8.8 Continuing Education Presentations (as Educator/Lecturer, Keynote Speaker, visiting and invited lecturer, grand rounds) (include community/organization):

<u>EVENT</u>	<u>ACTIVITY</u>	<u>ROLE</u>	<u>DATE</u>
A. LOCAL i. UBC Sponsored:	1. UBC Grand Rounds: How do ophthalmologists learn and Secondary angle closure glaucoma	1 hour lecture	January 7, 2000
	2. UBC Nursing in-service	1 hour lecture on Glaucoma Drainage Implants	November 29, 2000
	3. UBC Grand Rounds: Continuing Professional Development	1 hour lecture along with Drs Kendall Ho and Duncan Anderson	January 26, 2001
	4. UBC Glaucoma Clinical Day	(2 hour equivalent) Chaired program and presented talks	October 19, 2001
	5. UBC Ophthalmology Clinical Day: Glaucoma	Presented lecture ("The Clinical Application of Diagnostic Testing in Glaucoma") & co-organized the day	November 8, 2002
	6. UBC Grand Rounds: Glaucoma	Presented lecture & discussion: trabeculectomy & follow-up care	March 10, 2006
	7. UBC Grand Rounds: HRT progression	Presented lecture and led discussion	March 23, 2007
	8. Hypotony	1/2hr lecture to Ophthalmologists at BCSEPS Clinical Day	April 20, 2007 (Wosk Centre for Dialog, Vancouver, BC)
	9. Glaucoma Top 10 Misconceptions	1 hour interactive grand rounds	February 1, 2008 (UBC Eye Care Centre)
A. LOCAL ii. Non UBC Sponsored:	1. Visual Fields for the New Millenium (UBC Museum of Anthropology)	45 minute lecture (Allergan)	January 21, 2000
	2. Ophthalmology Millenium Update (Delta Whistler)	(1 hour equivalent) Moderator of glaucoma program (Pharmacia)	February 25-27, 2000
	3. Trabeculectomy and Pharmacology Update (to optometrists)	2 hour lecture (Alcon)	April 13, 2000 (Richmond, BC)

A. LOCAL ii. Non UBC Sponsored (cont'd):	4. Glaucoma Workshop	Conducted 3.5 hour case review session (Allergan)	May 9, 2000 (Victoria, BC)
	5. Glaucoma Workshop	Conducted 3 hour case review session (Allergan)	May 16, 2000 (Abbotsford, BC)
	6. Downtown Vancouver Rotary Club	1 hour lecture on Visual Fields & Glaucoma	July 5, 2000
	7. Odd Fellows and Rebekahs	1 hour lecture on telemedicine	November 9, 2000
	8. Glaucoma Workshop	Conducted 3.5 hour case review session	August 16, 2000 (Kelowna, BC)
	9. Nerve head imaging techniques	2 hour lecture (Merck)	October 11, 2000 (Langley, BC)
	10. Glaucoma Workshop	Conducted 2.5 hour session with case reviews and CPD	December 5, 2000 (Vancouver)
	11. Eye 2 Eye Whistler	(1 hour equivalent) Moderator of glaucoma program (Pharmacia)	March 10, 2001 (Whistler, BC)
	12. Pharmacology, neuroprotection, trabeculectomy, wick surgery	Conducted 3 hour workshop (Allergan)	June 13, 2001 (Vancouver)
	13. Pharmacology update	3 hour lecture (Merck Frosst)	November 22, 2001 (Vancouver)
	14. Gonioscopy & Fundus lens workshop	1 hour session for BC Optometry Association Optifair 2002	February 17, 2002 (Vancouver)
	15. Target IOP & HRT	2 hr lecture & case discussions (Allergan)	July 16, 2002 (EyeWest Vision)
	16. "You never told me I have glaucoma!"	1.5 hr lecture & case discussions (Allergan)	March 31, 2003 (Morgan Creek)
	17. Pharmacology Update 2003	1.5 hr lecture & discussion	May 27, 2003 (Optometrists dinner)

A. LOCAL ii. Non UBC Sponsored (cont'd):	18. "Are we there yet, Chs. 1 & 2"	2 hr lecture & discussion (Merck-Frosst)	May 12, 2004 (Morgan Creek)
	19. HRT & PG Analogs	2 hr lecture & discussion (Merck-Frosst)	May 26, 2004 (EyeWest Vision)
	20. "Are we there yet, Chs. 1 & 2"	2 hr lecture & discussion (Merck-Frosst)	June 3, 2004 (Morton's Steak House)
	21. Glaucoma Technology & Dry Eye	2 hr lecture & discussion (Alcon Canada)	November 30, 2004 (Il Giardino: 60 optometrists dinner)
	22. HRT Detecting progression	1 hr lecture & discussion at BC Assoc'n Optometrists Annual Congress (Innova Medical)	February 19, 2005
	23. AGS Annual Meeting Highlights	1 hr lecture & discussion (Allergan)	March 16, 2005 (EyeWest Vision)
	24. Glaucoma: the Role of the GP	1 hr Family Practice grand rounds (Alcon Canada)	December 6, 2005 (Mt St Joseph Hospital)
	25. Personal Learning Project: Modules: Diurnal pressure control	3 hrs to Ophthalmologists on cases studies for personal learning projects (Alcon Canada)	March 4, 2006 (Westin Bayshore)
	26. The angle and disc	2 hr lecture and discussion with local optometrists	February 26, 2007 (Fairmont Harbour Front)
	27. Personal Learning Project: Modules: Diurnal pressure control and case studies	3 hrs to Ophthalmologists (Alcon Canada)	March 14, 2007 (Morgan Creek, Langley)
	28. Medical Treatment of Glaucoma	1 hr discussion with Ophthalmologists (Merck)	April 25, 2007 (Blue Water Café, Vancouver)
	29. Personal Learning Project: new therapies and imaging	2 hr discussion with Ophthalmologists (Alcon)	May 9, 2007 (Manteo Resort, Kelowna)
	30. Glaucoma Top 10 Misconceptions	1.5 hr discussion with Ophthalmologists (Merck)	October 23, 2007 (Morgan Creek, Langley)
	31. Glaucoma Surgery	1 hr lecture to most optometrists in BC (BCAO CE program)	February 16, 2008 (Fairmont Waterfront)

B. NATIONAL	1. Alcon Masters Club 2000	.5 hr lecture on Computers in Ophthalmology & moderated workshop on glaucoma case studies	March 14, 2000
	2. Glaucoma Update	2 hour lecture (Canadian Optometry Association National Congress)	February 18, 2001 (Vancouver)
	3. Alcon Masters Club 2001	(1 hour equivalent) Chaired glaucoma surgical complications session	March 18-20, 2001 (Tucson, AZ)
	4. Pharmacology update and trabeculectomy	2 hour lecture (Allergan)	September 21, 2001 (Winnipeg)
	5. Pharmacology update	1 hour lecture (Alcon)	September XX, 2001 (University of Alberta)
	6. Case discussions to McGill ophthalmology residents	4 hrs: Visiting Professor McGill University Ophthalmology	March 26, 2002
	7. How to teach glaucoma & pharmacology update	1.5hrs Grand Rounds at McGill University as guest speaker	March 28, 2002
	8. Normal Tension Glaucoma case presentation	Canadian First Annual Glaucoma Meeting (Alcon Canada)	September 28, 2002 (Halifax)
	9. Glaucoma Surgical Complications	1 hr Hopital Maisonneuve-Rosemont Glaucoma Rounds	April 5, 2004 (Universite de Montreal)
	10. Glaucoma case presentations	5hrs presented cases, moderated session, co-organized program: Canadian Glaucoma Society	June 17, 2004 (COS Annual Meeting, Vancouver)
	11. "Medical Treatment of Glaucoma" & Optic Nerve Function	25 hrs developing DVD course material for national teaching program (Merck-Frosst Canada)	Jan/Feb, 2005
	12. Glaucoma continuum vol. 4	4 hrs training Pfizer national sales team on the practice management module	May 15, 2006 (Empress Hotel, Victoria)
	13. Glaucoma Adherence Problem: Bridging the GAP	Compliance issues in glaucoma (Alcon)	March 31, 2006 (Chateau Lake Louise, AB)

B. NATIONAL (cont'd)	14. Stereo disc photo: still the standard of care?	Presented the no side in a debate (Alcon)	March 31, 2006 (Chateau Lake Louise, AB)
	15. HRT progression	6 hr lecture at Canadian Ophthalmological Society annual meeting	June 21, 2006 (Westin Harbour Castle, Toronto)
	16. Electronic Medical Record: making the transition	1 hr seminar at Annual Glaucoma Meeting (Alcon)	March 31, 2007 (Four Seasons, Whistler, BC)
	17. HRT nerve scan progression software	1 hr seminar to Ophthalmologists teaching tips & tricks (Heidelberg Eng/Innova Med)	June 20, 2007 (Sheraton, Montreal, QC)
	18. Indispensable gadgets in Ophthalmology	1/4hr Panel debate at Canadian Ophthalmological Society Annual Mtg)	June 22, 2007 (Queen Elizabeth Hotel, Montreal, QC)
	19. Glaucoma Top 10 Misconceptions	University of Alberta Ophthalmology Grand Rounds	November 16, 2007 (Edmonton, AB)
C. INTERNATIONAL	20. 1. Comparison of Silicone and Polypropylene Ahmed Valve Glaucoma Drainage Devices	Peer reviewed research paper presentation: American Glaucoma Society Annual Mtg	March 4, 2005 (Snowbird, Utah)
	21. EMR's in the Glaucoma Practice	3 hrs Co-chaired and lectured at a workshop for glaucoma specialists	March 6, 2005 AGS (Snowbird, Utah)
	22. EMR's in Ophthalmology Voice recognition, vpn access to test results for patient care and education, gradual transition to the EMR	3 hrs Co-chairing and lecturing at a workshop for glaucoma specialists	March, 2007 AGS (San Francisco, CA)
	23. Relentless pursuit of perfection (Bleb complications)	1 hr presentation & discussion in "Super Bowl of Grand Rounds"	March, 2007 AGS (San Francisco, CA)
	24. Glaucoma Top 10 Misconceptions	Grand Rounds, University of Pittsburgh Medical Center	October 27, 2007 (Pittsburgh, PA)
	25. "You never told me I have glaucoma – breaking bad news to patients"	40 min presentation & discussion in "Super Bowl of Grand Rounds"	March 9, 2008 AGS (Washington, DC)
D. OTHER			

**8.9 OTHER ADMINISTRATION RELATED TO TEACHING (not included elsewhere)
(National or local, course or curriculum planning, curriculum innovation, residency committee, faculty development, preparation/administration/evaluation of examinations)**

- Phase IV Medical School program director for Ophthalmology 1999 - 2005
- Director of UBC Ophthalmology Grand Rounds 2001 - 2004
- Co-chair annual research & alumni day planning committee 2001 - 2003
- Member education committee: Centre for Surgical Excellence 2002 - present
- Director Undergraduate Medical Education Ophthalmology 2002 – 2005
- Founding member Health Science Computer Assisted Learning workgroup, UBC Med School 2002
- UBC Ophthalmology web site planning committee

8.10 PUBLICATIONS/LECTURES ON TEACHING METHODS OR CURRICULUM

(NOTE: please duplicate citations in Publications Record)

- UBC Grand Rounds January 7, 2000
- Royal College Maintenance of Certification lecture December 5, 2000 (see Sec 9.7)
- UBC Grand Rounds January 26, 2001
- Work toward Masters in Education in 2000: 225 hours
- Work toward Masters in Education in 2001: 311 hours
- Work toward Masters in Education in 2002: 178 hours
- McGill Ophthalmology Grand Rounds: how to teach glaucoma March 28, 2002 (see Sec 8.8)
- Work toward Masters in Education in 2003: 105 hours
- Work toward Masters in Education in 2004: 5 hours
- Work to complete Masters in Education in 2005: 52 hours
- Manuscript preparation recommendations for changing residency training to meet the needs of the community ophthalmologists
- Personal Learning Projects Workshop, 4 Mar 2006 3 hours (see Sec 8.8)
- Publication in CJO, 2007 (see Sec Peer Publications in references attached)

8.11 INSTRUCTIONAL DEVELOPMENT OR OTHER GRANTS RELATED TO TEACHING

(Indicate under COMP whether grants were obtained competitively (C) or non-competitively (NC))

Granting Source	Subject	COMP	\$ Per Year	Year	Principal Investigator	Co-Investigator(s)

8.12 Publications and/or professional achievements of students and research fellows under your supervision (NOTE: Please duplicate citations in Publications Record)

Since appointment as Assistant Professor UBC in 1999 (reverse chronology)

- Carolyn Isbister & Paul MacKenzie, UBC residents in Ophthalmology
 - Have been collaborating with me 2004-2006 reviewing outcomes of FP7 vs S2 Ahmed Glaucoma Valves and presented the initial data at UBC Ophthalmology Research Day in 2005.
 - UBC approved clinical trial
 - **Published** in the Canadian Journal Ophthalmology April 2007
- Nisa Sothornwit (2006-07), UBC Glaucoma Fellow
 - I am one of 7 PIs in the world involved in a clinical trial looking at Travatan & Azopt combination therapy
 - Manuscript will be submitted for publication from lead author in South Carolina
- Nisa Sothornwit (2006-07) & Leonard Yip (2005-06), UBC glaucoma fellows
 - Medmont vs Humphrey Visual Field testing
 - UBC approved clinical trial
 - Continuing to enrol patients
 - Initial results presented at UBC Ophthalmology Research Day, 2006
 - Insufficient funding to proceed with rest of study in order to recruit adequate numbers
- Tanya Orton, UBC resident in Ophthalmology
 - Has presented our work assessing the current demands on Canadian glaucoma specialists, and whether we have the resources to meet the needs of the next generation, at UBC Ophthalmology Research Day in 2005, Canadian Glaucoma Society meeting in 2004, and Canadian Ophthalmological Society Annual Meeting in 2005
 - **Published** in the Canadian Journal of Ophthalmology August 2007
- Ray Seto, UBC resident in Ophthalmology
 - Presented our initial survey of all Ophthalmologists looking at whether they were trained for what they needed to know to practice Ophthalmology at UBC Research Day in 2002 and the Canadian Ophthalmological Society Annual Meeting in 2002

Prior to UBC faculty appointment in 1999 (reverse chronology)

- Maya Eibschitz-Tsimoni, Glaucoma Fellow, UMich
 - Clinical studies in Sturge-Weber, Ahmed Glaucoma Valves and Molecular Genetics
 - **All published** in peer-reviewed journals
- Linda Sherman, UMich resident in Ophthalmology
 - Screening for glaucoma risk factors on the internet; presented results at UMich Spring Conference 1997 & Research Day 1997
- Parag Gokhale, UMich resident in Ophthalmology
 - Research into the incidence of legal blindness in Primary Open-Angle Glaucoma at University of Michigan; presented results at Umich Research Day 1998 and 1999
- Amjad Ahmad, UMich resident in Ophthalmology
 - Looked at prevalence of ocular hypertension and glaucoma in Thyroid-Associated Orbitopathy; presented findings at UMich Research Day 1998
- JA Gow, UMich resident in Ophthalmology
 - Outcomes of Ahmed glaucoma valves; presented at UMich Research Day 1999
- Qais Farjo, UMich resident in Ophthalmology
 - We looked at the effect of cataract extraction on Visual Fields; presented finding at

UMich Research Day 1999

- **Brad Hall, UMich resident in Ophthalmology**
 - **Short term clinical results of transcleral diode laser contact cyclophotocoagulation; presented at UMich Research Day 1999**

9. SCHOLARLY AND PROFESSIONAL ACTIVITIES (not related to teaching)

9.1 Areas of special interest and accomplishments (Maximum One Page)

It has been an honour to represent the University of British Columbia at the national level since being appointed as Assistant Professor in 1999.

I have established a reputation at the national and local areas as a glaucoma clinician-educator that extends beyond my work within UBC Ophthalmology & Visual Sciences running the undergraduate program and grand rounds. I have been involved in continuing professional development, developing educational material used across the country. I have been an invited speaker as an expert in glaucoma and clinical technology throughout British Columbia, as well as in Alberta, Quebec, Nova Scotia, Ontario, California, Arizona, and Utah to groups of Ophthalmologists and Optometrists at local, national and international meetings.

I have been active in setting standards of glaucoma care in Canada by working on National committees. As part of the Canadian Perspectives in Glaucoma Management, we have been developing a unique series of guidelines, published in the Canadian Journal of Ophthalmology and used as course material across the country. These standards have involved combining evidence-based medicine with clinical consensus. To date, guidelines on classification of glaucoma severity and on Central Corneal Thickness measurements have been published. In 2008, we will complete our recommendations on treatment and follow-up of open-angle glaucoma patients based on an recognizing the risk factors for glaucomatous progression. As of January 27, 2008 we have completed our first draft.

Since my appointment as an Assistant Professor at UBC, I have also completed a Masters in Education, which helped strengthen my skills in developing educational material to target the needs of the participants. This helped me, working with Dr Giaschi in our department, to revise the format of the Department's annual Research Day in order to emphasize the clinical relevance of basic science research. This format continues to be used. I have also used this knowledge to plan the program for a Glaucoma Clinical Day, Canadian Glaucoma Society annual meeting, an Annual Canadian Glaucoma Meeting and the glaucoma portion of an Alcon Masters' Club meeting. In addition, I studied the practice patterns of Canadian glaucoma specialists in order to make recommendations to plan for the next generation of glaucoma patients, which was published in 2007. The manuscript for a second research project in education has also been used to make recommendations for changes in our residency-training program in order to meet the needs of the communities in which our graduates will be serving upon completion of their training.

Foremost in my interests, is the care of glaucoma patients in Vancouver and my referral base that spreads across the lower mainland, into the Okanagan Valley, the Sunshine Coast, Vancouver Island and Northern BC including the Interior. This past year, in conjunction with Drs Mackenzie and Isbister, we published the single largest study of patients receiving Ahmed Glaucoma Valves all from a single surgeon. This study is unique in having a long follow-up period (2 years) and in one surgeon (myself) having performed as many surgeries as it took for multiple surgeons from 6 U.S. academic centres combined in the next largest study. By eliminating inter-surgeon variations in technique, we have helped establish this implant's role earlier in the treatment of glaucoma – it is no longer a treatment of last resort.

I have shown an ongoing interest and ability as a glaucoma clinician-educator for our centre since being appointed as an Assistant Professor in 1999. I am on track to continue working in this role.

9.2 Grants Research or equivalent (indicate under COMP whether grants were obtained competitively (C) or non-competitively (NC))

--	--	--	--	--	--	--

Granting Agency	Subject	COMP	\$ Per Year	Year	Principal Investigator	Co-Investigator(s)
Harmes Fund	Developmental funding clinical ophthalmology	NC		1994-95	David G. Campbell, MD	Robert M. Schertzer, MD David X. Pang, MSE, Luanna R. Bartholomew, PhD
Huetwell Fund	Multimedia Research in Ophthalmology	NC	\$115,000 US	1996-99	Robert M. Schertzer, MD	David X. Pang, MSE, Luanna R. Bartholomew, PhD

9.3 Contract Research or equivalent (indicate under COMP whether grants were obtained competitively (C) or non-competitively (NC)).

Granting Agency	Subject	COMP	\$ Per Year	Year	Principal Investigator	Co-Investigator(s)

9.4 Research or Equivalent Grants/Contracts pending approval:

Granting Agency	Subject	COMP	\$ Per Year	Year	Principal Investigator	Co-Investigator(s)

9.5 Invited Research Presentations

1. "Optic nerve head imaging: Clinical & photographic magnification of neuroretinal rim area," invited lecture, symposium on Optic Nerve-head Imaging, 56th Annual Meeting of the Canadian Ophthalmological Society and the Canadian Glaucoma Society, Montreal, Quebec, June 27, 1993.
2. "Comparison of Silicone and Polypropylene Ahmed Valve Glaucoma Drainage Devices," research paper, American Glaucoma Society 2005 Annual Meeting, Snowbird, Utah, March 5, 2005.

9.6 Other Research Presentations**9.7 Invited Clinical Presentations**Prior to UBC appointment in 1999

1. "The hypotonous, shallowing anterior chamber, pseudophakic, non-leaking glaucomatous eye," invited lecture, Boston Glaucoma Group, Harvard Medical School, Boston, Massachusetts, Sept 26, 1994.
2. "Rubeotic glaucoma with reperfusion following carotid endarterectomy," invited lecture, Boston Glaucoma Group, Harvard Medical School, Boston, Massachusetts, Dec 5, 1994.
3. "Antimetabolites in filtration surgery: why surgical techniques need to be modified," invited lecture, Scheie Eye Institute, University Pennsylvania School of Medicine, Philadelphia, Pennsylvania, June 22, 1995.
4. "Computer-based patient record," invited lecture, Scheie Eye Institute, University Pennsylvania School of Medicine, Philadelphia, Pennsylvania, Sept 5, 1995.
5. "Computer-based patient record," invited lecture at Grand Rounds, Massachusetts Eye and Ear Infirmary, Harvard Medical School, Boston, Massachusetts, Sept 7, 1995.
6. "Computer-based patient record," invited lecture, W.K. Kellogg Eye Center, University of Michigan, Ann Arbor, Michigan, Oct 9, 1995.
7. "Perpetuating irrational therapeutics in glaucoma," outreach lecture, Bronson Methodist Hospital, Kalamazoo, Michigan, Dec 7, 1996.
8. "Perpetuating irrational therapeutics in glaucoma," 5th Annual Northern Michigan Ophthalmology Conference, Traverse City, Michigan, Jan 18, 1997.

9. "Medical therapy of normal tension glaucoma – current controversies," invited lecture, Update on Glaucoma Drug Therapy, Wayne State University and the Kresge Eye Institute, Southfield, Michigan, March 8, 1997.
10. "Glaucoma in African Americans," invited lecture, National Nutrition Month, Lay Organization, Parks Memorial A.M.E. Church, Romulus, Michigan, March 9, 1997.
11. "Current concepts of glaucoma treatment," invited lecture, Northwest Ohio Ophthalmology Society, Toledo Club, Toledo, Ohio, November 18, 1997.
12. "Glaucoma surgery and pharmacology: how I bake my cake," 6th Annual Northern Michigan Ophthalmology Conference, Boyne Highlands, Michigan, January 31, 1998.
13. "Neuroprotection," 30th Annual Summer Conference Michigan Ophthalmological Society, Makinac Island, Michigan, August 15, 1998.
14. "Rational therapeutics in glaucoma? Glaucoma today and neuroprotection," invited lecture, Dept of Ophthalmology, University of British Columbia, Vancouver, BC, December 4, 1998.

Since UBC appointment in 1999

15. "Visual fields for the new millennium," invited lecture, Allergan, UBC Museum of Anthropology, Vancouver, BC, January 21, 2000.
16. "Computers in Ophthalmology," invited lecture, Alcon Masters Club 2000, San Antonio, TX, March 14, 2000.*
17. "Trabeculectomy & Pharmacology Update," invited lecture, Alcon, Marriott Inn, Richmond BC, April 13, 2000.
18. "Glaucoma Workshop," invited lecture, Allergan, ____ Hotel, Victoria, BC May 9, 2000.
19. "Glaucoma Workshop." Invited lecture, Allergan, ____Hotel, Abbotsford, BC May 15, 2000.
20. "Indications for laser peripheral iridotomy in Pigmentary glaucoma," invited lecture, annual meeting of the Canadian Ophthalmological Society, Whistler, BC, June 2000.*
21. "Visual Fields and Glaucoma," invited lecture, Downtown Vancouver Rotary Club, July 5, 2000.
22. "Glaucoma Workshop," invited lecture, Allergan, Eldorado Hotel, Kelowna, BC, August 16, 2000.
23. "Nerve-head imaging techniques," invited lecture, Merck-Frosst, ____Restaurant, October 11, 2000, Langley, BC.
24. "Glaucoma and Royal College Maintenance of Certification," invited lecture, Allergan, C Restaurant, December 5, 2000, Vancouver, BC.
25. "Glaucoma Update," invited speaker, National Congress of the Canadian Optometry Association, February 18, 2001, Vancouver, BC.

26. "Repair of the leaking filtering bleb," invited speaker, Alcon Masters Club 2001, March 18-20, 2001, Tucson, AZ.*
27. "Glaucoma workshop on pharmacology, neuroprotection, trabeculoplasty, and wick surgery," invited lecture, Allergan, ___ Restaurant, Vancouver, BC, June 13, 2001.
28. "Pharmacology Update and trabeculectomy," invited speaker, Allergan, Manitoba Ophthalmology Society, September 21, 2001, Winnipeg, MB*
29. "Pharmacology Update," invited speaker to grand rounds, University of Alberta Dept of Ophthalmology, September XX, 2001, Winnipeg, AB.*
30. "Pharmacology Update," invited lecture, Merck-Frosst, Diva at the Met, November 22, 2001, Vancouver, BC.
31. "Gonioscopy & Fundus lens exam," invited lecture/workshop, BC Optometry Association Annual Meeting (Optifair 2002), February 17, 2002, Vancouver, BC.
32. Case discussions in glaucoma, Visiting Professor McGill University, March 26, 2002, Montreal General Hospital, Montreal, QC.*
33. "How to teach glaucoma to residents & pharmacology update," Invited speaker McGill University grand rounds, March 28, 2002, Montreal, QC.*
34. "Target IOP & HRT," invited lecture/workshop, Allergan, EyeWest Vision, July 16, 2002, North Vancouver, BC.
35. "Normal Tension Glaucoma," case presentation, First Annual Glaucoma Meeting, Alcon, September 28, 2002, Halifax, NS.*
36. "You never told me I have glaucoma!" invited lecture/workshop, Allergan, Morgan Creek Golf Club, March 31, 2003, Surrey, BC.
37. "Pharmacology Update 2003," invited lecture/workshop for Vancouver Optometrists, Alcon, May 23, 2003, Vancouver, BC.
38. "Glaucoma Surgical Complications," Invited speaker Hopital Masonneuve-Rosemont, Universite de Montreal, April 5, 2004, Montreal, QC.*
39. "Are we there yet? Chs. 1 & 2," invited lecture/workshop, Merck-Frosst, May 12, 2004, Morgan Creek Golf Club, Surrey, BC.
40. "HRT & PG Analogs, invited lecture/workshop, Allergan, May 26, 2004, EyeWest Vision, North Vancouver, BC.
41. "Are we there yet? Chs. 1& 2," invited lecture/workshop, Merck-Frosst , June 3, 2004, Morton's Steak House, Vancouver, BC.
42. Glaucoma case presentations, moderated session, co-organized program, Canadian Glaucoma Society annual meeting, June 17, 2004, Vancouver, BC.*

43. "Glaucoma Technology & Dry Eye," lecture/workshop for 60 Optometrists, Alcon, November 30, 2004, Il Giardino, Vancouver, BC.
44. HRT Detecting progression, lecture/workshop at BC Association of Optometrists Annual Congress, Innova Medical, February 19, 2005, Vancouver, BC.
45. "Voice recognition software," lectured and co-chaired EMR in the Glaucoma Practice workshop at American Glaucoma Society Annual Meeting, Snowbird, Utah, March 6, 2005.*
46. "AGS Annual Meeting Highlights," lecture/workshop, Allergan, March 16, 2005, EyeWest Vision, North Vancouver, BC.
47. "Glaucoma – the Role of the GP," Family Practice grand rounds, Alcon, December 6, 2005, Mt St Joseph Hospital, Vancouver, BC.
48. "Personal Learning Project: Modules 1 & 2," Small group seminar teaching to ophthalmologists, March 4, 2006, Westin Bayshore, Vancouver, BC.
49. "Trabeculectomy & follow-up care," UBC Ophthalmology Grand Rounds, March 10, 2006, UBC Eye Care Centre, Vancouver, BC.
50. "Glaucoma Adherence Problem: Bridging the GAP," 4th Annual Glaucoma Meeting, March 31, 2006, Lake Louise, AB*
51. "Stereo disc photos: still the standard of care? – debate," 4th Annual Glaucoma Meetings, March 31, 2006, Lake Louise, AB.*
52. "Glaucoma continuum, Vol 4: gaining control of your schedule," Pfizer annual sales meeting, May 15, 2006, Empress Hotel, Victoria, BC*.
53. "HRT 3 progression analysis," HRT users group workshop, Canadian Ophthalmological Society Annual Meeting, June 21, 2006, Westin Harbour Castle, Toronto, ON.*
54. "The angle and disc," lecture and workshop with most of the local optometrists, February 26, 2007, Fairmont Harbour Front, Vancouver, BC.
55. "Voice recognition software, accessing on-line test results for education & patient care, transition to the Electronic Medical Record," EMR in the Glaucoma Practice Workshop, American Glaucoma Society Annual Meeting, San Francisco, March 2007.*
56. "Relentless pursuit of perfection (bleb complications)," Invited Speaker at Super Bowl of Grand Rounds, American Glaucoma Society Annual Meeting, San Francisco, March 2007.*
57. "HRT progression," Lectured at UBC Grand Rounds, March 23, 2007, Vancouver, BC
58. "Personal Learning Projects 1 & 2, and case studies," Small group seminar teaching to Ophthalmologists, March 14, 2007, Morgan Creek, Langley, BC.
59. "Electronic Medical Records," Large group seminar to national gathering of glaucoma specialists, 5th Annual Glaucoma Meeting, March 31, 2007, Whistler, BC.*

60. "Post-operative Hypotony," Lecture to Provincial gathering of ophthalmologists, BC Society of Eye Physicians and Surgeons (BCSEPS) Clinical Day, April 20, 2007, Wosk Centre for Dialog, Vancouver, BC.
61. "Medical Treatment of Glaucoma," Discussion with local Ophthalmologists, April 25, 2007, Blue Water Café, Vancouver, BC.
62. "Personal Learning Projects: new therapies and imaging," discussion with local ophthalmologists, May 9, 2007, Manteo Resort, Kelowna, BC.
63. "HRT progression," led a seminar at national gathering of ophthalmologists and technicians on use of HRT software, June 20, 2007, Sheraton Hotel, Montreal, QC*.
64. "Indispensable gadgets in Ophthalmology," panel member of debate at Canadian Ophthalmological Society Annual Meeting, June 22, 2007, Queen Elizabeth Hotel, Montreal, QC.*
65. "Glaucoma Top 10 Misconceptions," invited speaker discussing with local ophthalmologists, October 23, 2007, Morgan Creek Country Club, Langley, BC
66. "Glaucoma Top 10 Misconceptions," invited speaker University of Pittsburgh Medical Center Ophthalmology, October 27, 2007, Pittsburgh, PA*
67. "Glaucoma Top 10 Misconceptions," invited speaker University of Alberta Ophthalmology Grand Rounds, November 16, 2007, Edmonton, AB*
68. "Glaucoma Top 10 Misconceptions," invited speaker University of British Columbia Ophthalmology & Visual Sciences Grand Rounds, February 1, 2008, Vancouver, BC
69. "Glaucoma Surgery," invited speaker for British Columbia Association of Optometrists annual Continuing Education Day, February 16, 2008, Fairmont Waterfront, Vancouver, BC
70. "You never told me I have Glaucoma – breaking bad news to patients," invited speaker at Super Bowl of Grand Rounds, American Glaucoma Society Annual Meeting, March 9, 2008, Washington, DC.*

* indicates National or International invited talks

9.8 Scientific/Academic Conference Participation (Organizer, Keynote Speaker, etc.)

- Co-chaired UBC Ophthalmology Research Day, 2001-2003
- Chaired program, UBC Glaucoma Clinical Day, October 19, 2001
- Co-chaired program, UBC Glaucoma Clinical Day, November 8, 2002.
- Canadian Perspectives in Glaucoma Management, participant, Central Corneal Thickness guidelines, New Orleans, 2003
- Co-chaired program, Canadian Glaucoma Society annual meeting, June 17, 2004, Vancouver, BC.
- Keynote "speaker," Glaucoma teaching modules on DVD, Merck-Frosst Canada, Jan/Feb 2005.
- Co-chaired workshop on Electronic Medical Records in Glaucoma, American Glaucoma Society

Annual Meeting, March 5, 2005.

- Co-chairing workshop on Electronic Medical Records in Glaucoma, American Glaucoma Society Annual Meeting, March 2007
- Co-chairing the Glaucoma Continuum Phase IV, Pfizer in conjunction with the Canadian Ophthalmological Society and Canadian Medical Association
- Canadian Perspectives in Glaucoma Management, Risk factors for progression team member, Toronto, Jan 26-27, 2008

10. SERVICE TO THE UNIVERSITY

10.1 Memberships on committees, including offices held and dates

10.1.1 Divisional

10.1.2 Departmental

University of Michigan

1996 -1999	Computer Advisory Committee: Kellogg Eye Center
1996	Co-Chair of Clinic Efficiency Committee: Kellogg Eye Center
1996 - 1997	Clinic Operations Task Force: Kellogg Eye Center
1996 - 1999	Scientific Advisory Board of Interactive Health Information Network: UM Medical System
1996 - 1999	Clinical Director of Glaucoma Unit: Kellogg Eye Center
1996 - 1997	Patient Care Committee: Kellogg Eye Center
1996 - 1998	Co Webmaster: Kellogg Eye Center Web Site
1997	Laser Center Task Force: Kellogg Eye Center
1998	Web Site Planning Task Force
1998 - 1999	Clinical Consultant Kellogg Eye Center Web Site
1998	Surgery Tracking And Reporting: Ophthalmology Liason
1998	Faculty Information Technology Committee: UM Medical System
1998 - 1999	Personal Digital Assistant Committee: UM Medical System

University of British Columbia

1999 - 2003	Medical Director, Visual Field Unit
1999 - 2003	Medical Director, Optic Nerve Head Imaging Unit
2002 -present	Glaucoma Representative, Quality of Care committee (see Section 8.9 for numerous academic committees & undergraduate curriculum development)

10.1.3 Faculty

University of British Columbia

(see Section 8.9 for numerous academic committees)

10.1.4 University

10.2 Other service, including dates

1996 - 1997 Michigan Eye Care Alliance - Network Outcomes Protocols

11. SERVICE TO THE ACADEMIC COMMUNITY

11.1 Memberships on scholarly societies and committees including offices held and

dates

Ophthalmological

BC Society of Eye Physicians and Surgeons
BC Medical Association
Michigan Ophthalmological Society
Royal College of Physicians and Surgeons of Canada
American Board of Ophthalmology
Association for Research in Vision & Ophthalmology
Boston Glaucoma Group
Chandler-Grant Society
Canadian Ophthalmological Society
American Academy of Ophthalmology
Contributor Royal College examination committee

Medical

BC Medical Association
Vancouver Medical Association
BC Specialist Surgeons Association
UBC Clinical Faculty Association
BC College of Physicians and Surgeons (Full license: current)
State of Michigan Board of Medicine (Full license: current)
American Medical Association
New Hampshire Medical Society (Full license: current)
College of Physicians and Surgeons of Ontario (Full license: 1989-2004)

11.2 Memberships on other societies or committees, including offices held and dates

Arts

New England Writers/Vermont Poets Society
Society of Composers, Authors & Music Publishers of Canada

11.3 Editorships (list journal and dates)

Glaucoma Editor for www.occojournal.com

11.4 Reviewer (journal, agency, etc. including dates)

2006 – present	Canadian Journal Ophthalmology
1995 – present	Ophthalmology
1995 – 1996	Archives of Ophthalmology
1998	Journal of Biomechanics

11.5 External examiner (indicate universities and dates)

11.6 Consultant (indicate organization and dates)

1989 -	DOSWA Productions Reg'd (Montreal, Quebec); President
1993 - 1995	Development Purkinje Inc. (Montreal, Quebec); Member, English Physician Group & Database Translation Team

11.7 Other service to the community

2006 – present	Boy Scouts of Canada: Beaver & Cub Leader (St Helen's 29 th)
----------------	--

12. AWARDS AND DISTINCTIONS (not related to teaching)

12.1 Awards for Scholarship (indicate name of award, awarding organizations, and date)

1983 - 1988 Rhino Prods Enr., Five-piece commission for music composition

12.2 Awards for Service (indicate name of award, awarding organizations, and date)

12.3 Other Awards

13. OTHER RELEVANT INFORMATION (Maximum One Page)

13.1 Ongoing participation in small after-market clinical trials for different pharmaceutical companies. This included a trial of a compliance aid, the TRAVALERT, for Travatan, 2006.

THE UNIVERSITY OF BRITISH COLUMBIA
Publications Record

Date completed: 24Mar2008

Signature to verify date of completion 

SURNAME: Schertzer, MD, FRCSC
FIRST NAME: Robert
MIDDLE NAME (S): Michael

1. REFEREED PUBLICATIONS

1.1 Journals

1. LaRoche GR, McIntyre L, **Schertzer RM**: Epidemiology of severe eye injuries in childhood. *Ophthalmology* 95(12):1603-1607, 1988.
2. **Schertzer RM**: Interpreting technology: Medical software and information-technology transfer methods. *Can J Ophthalmol* 31(1): 45-50, 1996.
3. Moroi SE, Gottfredsdottir MS, Scheingart MT, Elnor SG, Lee CM, **Schertzer RM**, Abrams GW, Johnson MW: Cystoid Macular Edema Associated with Latanoprost Therapy in a Case Series of Patients with Glaucoma and Ocular Hypertension. *Ophthalmology* 106(5):1024-1029, 1999.
4. Sugar A, **Schertzer RM**: The Clinical Course of Phacoemulsification Wound Burns. *J Cataract Refract Surg* 25(5):688-692, 1999.
5. Shimizu S, Lichter PR, Johnson AT, Zhou Z, Higashi M, Gottfredsdottir M, Othman M, Moroi SE, **Schertzer RM**, Clarke MS, Schwartz AL, Downs CA, Vollrath D, Richards JE: Age-dependent prevalence of mutations at the GLC1A locus in primary open-angle glaucoma. *Am. J. Ophthalmol.* 130:165-177, 2000.
6. Eibschitz-Tsimhoni M, Lichter PR, Del Monte MA, Archer SM, Musch DC, **Schertzer RM**, Moroi SE. Assessing the need for posterior sclerotomy at the time of filtering surgery in patients with Sturge-Weber syndrome. *Ophthalmology.* 2003 Jul;110(7):1361-3.
7. Eibschitz-Tsimhoni M, **Schertzer RM**, Musch DC, Moroi SE. Incidence and management of encapsulated cysts following Ahmed glaucoma valve insertion. *J Glaucoma.* 2005 Aug;14(4):276-9.
8. Woodroffe A, Krafchak C, Fuse N, Lichter PR, Moroi SE, **Schertzer R**, Downs CA, Duren WL, Boehnke M, Richards JE. Ordered Subset Analysis Supports a Glaucoma Locus at GLC1I on chromosome 15 in Families with Earlier Adult Age at Diagnosis. *Experimental Eye Research.* 82 (2006): 1068-1074.
9. Behki R, Damji KF, Crichton A for the CCT workshop participants (includes **Schertzer R**): Canadian Perspectives in glaucoma managements: role of central corneal thickness. *Can J Ophthalmol* 2007;42:66-74

10. Isbister CM, **Schertzer RM**, Mackenzie PJ: Comparison of Silicone and Polypropylene Ahmed Glaucoma Valves –Two year follow-up. Canadian Journal Ophthalmology 42: 227-232, April 2007.
11. **Schertzer RM**, Orton T, Pratt D: Practice Patterns of Canadian Glaucoma Specialists: Planning for the next generation, Canadian Journal of Ophthalmology 42: 580-584, August 2007.

1.2 Conference Proceedings

1.3 Other

1.4 Refereed Publications in Press (include journal and anticipated year of publication)

2. NON-REFEREED PUBLICATIONS

2.1 Journals

1. Campbell DG, **Schertzer RM**: New insights into the pathophysiology of pigmentary glaucoma. Current Opin Ophthalmol 6(2):96-101, 1995.
2. **Schertzer RM**, Campbell DG: Update on pigmentary glaucoma. Rev Ophthalmol 2(12):54-56, 1995.
3. **Schertzer RM**, Wang DL, Bartholomew LR: Diabetes mellitus and glaucoma. IN: Sanchez-Thorin JC (ed): Current concepts in diabetes and ocular disease. International Ophthalmology Clinics. 38(2): 69-87, 1998.
4. Chricton A, Damji KF, Nicoledo MT, **Schertzer RM**, Teal P: Clinical Consultation – Pigment Dispersion Syndrome. Ophthalmic Practice 18(5): 232-236, August 2000.
5. **Schertzer RM**: Overcoming Glaucoma - Laser versus incisional surgical approaches. Geriatrics & Aging 3(8): 25&43, October 2000.

2.2 Conference Proceedings

1. LaRoche GR, **Schertzer RM**: Tissue glue in strabismus surgery. 5th International Strabismological Association Proceedings 5:513-521, 1986.
2. **Schertzer RM**, Balazsi AG: Relation avec le champ visuel Automatise et la Superficie du Rebord Neuro-Retinien. Symposium Sherbrooke, Sherbrooke, Quebec. October 4-5, 1991.
3. Sherman LK, Bernstam EV, **Schertzer RM**: Screening for Glaucoma Risk Factors on the Internet. University of Michigan 69th Annual Ophthalmology Spring Post-graduate Conference. Poster, June 6-7, 1997.
4. **Schertzer RM**, Pang DX, Bartholomew LR: Huetwell Research Laboratory. University of Michigan 69th Annual Ophthalmology Spring Post-graduate Conference. Poster, June 6-7, 1997.

5. Sherman LK, Bernstam EV, **Schertzer RM**: Screening for Glaucoma Risk Factors on the Internet. University of Michigan 13th Annual Ophthalmology Research Day. Poster 12, June 19, 1997.
6. **Schertzer RM**, Pang DX, Bartholomew LR: Huetwell Research Laboratory. University of Michigan 13th Annual Ophthalmology Research Day. Poster, June 19, 1997.
7. **Schertzer RM**, Pang DX, Bartholomew LR: Huetwell Research Laboratory. University of Michigan Dept of Ophthalmology 3rd Annual Fall Alumni Day. Poster, September 17-19, 1997.
8. **Schertzer RM**, Pang DX, Bartholomew LR: Huetwell Research Laboratory. University of Michigan Dept of Ophthalmology 3rd Annual Fall Alumni Day. Educational Technology Exhibit 1, September 19, 1997.
9. Gokhale PA, **Schertzer RM**: The Incidence of Legal Blindness in Primary Open-Angle Glaucoma. University of Michigan 14th Annual Dept of Ophthalmology Research Day, June 26, 1998.
10. **Schertzer RM**, Pang DX, Bartholomew LR: Multimedia Oculosurgical Module #2: Glaucoma Surgery. University of Michigan 14th Annual Dept of Ophthalmology Research Day, June 26, 1998.
11. Ahmad AZ, Frueh BR, **Schertzer RM**: The Prevalence and Implications of Ocular Hypertension and Glaucoma in Thyroid-Associated Orbitopathy. University of Michigan 14th Annual Dept of Ophthalmology Research Day, June 26, 1998.
12. **Schertzer, RM**: Glaucoma 2001 Detroit Area glaucoma specialist panel participant. Crowne Plaza, Romulus, MI, January 16, 1999.
13. Gow JA, **Schertzer RM**: Outcomes of Ahmed Valve Implantation. University of Michigan 15th Annual Dept of Ophthalmology Research Day, March 10, 1999.
14. Farjo QA, **Schertzer RM**: Effect of Cataract Extraction on Visual Fields. University of Michigan 15th Annual Dept of Ophthalmology Research Day, March 10, 1999.
15. Gokhale PA, **Schertzer RM**: Primary Open-Angle Glaucoma and Blindness. University of Michigan 15th Annual Dept of Ophthalmology Research Day, March 10, 1999.
16. Hall BS, **Schertzer RM**, Musch DC: Initial Clinical Results of Diode Laser Contact Transcleral Cyclophotocoagulation. University of Michigan 15th Annual Dept of Ophthalmology Research Day, March 10, 1999.
17. **Schertzer RM**: Indications for laser peripheral iridotomy in Pigmentary glaucoma. Invited lecture, annual meeting of the Canadian Ophthalmological Society, Whistler, BC, June 2000.
18. Seto RJ, **Schertzer RM**: Skills Survey of Ophthalmologists of British Columbia. UBC Ophthalmology Research Day, 2002.
19. **Schertzer RM**, Orton TD: Practice patterns of Canadian Glaucoma Specialists- planning for

the next generation, UBC Ophthalmology Research Day 2005.

20. Isbister CM, **Schertzer RM**, MacKenzie PJ: Comparison of Silicone and Polypropylene Ahmed Valve Glaucoma Drainage Devices, UBC Ophthalmology Research Day 2005.
21. Yip L, Brasher P, **Schertzer RM**: A comparison of visual field results in glaucoma patients using the Humphrey Perimeter and the Medmont Perimeter, UBC Ophthalmology Research Day 2006.

2.3 Abstracts

1. LaRoche GR, **Schertzer RM**, Mishra A, Ramsey MS: Tissue glue in strabismus surgery II: Histopathological observation. 51st Annual Meeting of the Canadian Ophthalmological Society, Saint-John, New Brunswick. June 27-29, 1988.
2. **Schertzer RM**, Chen JC: Is postoperative intravenous antibiotic necessary in the treatment of infectious endophthalmitis? *McGill Ophthalmol* 2(2):8, 1990.
3. **Schertzer RM**, Balazsi AG: Relationship between loss of neuro-retinal rim and the circumlinear vessel gap sign. *McGill Ophthalmol* 3(3):10, 1991.
4. **Schertzer RM**, Lam WC, Yassa M, Chen JC: Treatment of cytomegalovirus retinitis with ganciclovir and radiation. *McGill Ophthalmol* 4(2):10, 1992.
5. **Schertzer RM**, Balazsi AG, Schirmer K: Photographic magnification of the optic nerve head images: A comparative study of three techniques. *McGill Ophthalmol* 5(2):12, 1993.
6. **Schertzer RM**, Bencsath-Makkai Zs, Connolly WES, Boyaner D: Computers in ophthalmic surgical teaching. *McGill Ophthalmol* 6(2):11, 1994.
7. **Schertzer RM**, Bencsath-Makkai Zs, Connolly WES, Boyaner D, Pang DX, Bartholomew LR, Campbell DG: Computers in ophthalmic surgery: A multimedia teaching module for cataract surgery. *Ophthalmology* 101(9A):146, 1994.
8. Roy M, Chen JC, **Schertzer RM**: Endophthalmitis: results of differing management approaches. 27th Annual Meeting of the International Congress of Ophthalmology, Toronto, Ontario. Abstract SP93, June 26-30, 1994.
9. Campbell DG, Pang DX, **Schertzer RM**, Bartholomew LR: Glaucoma clinical-practice tracking: A multimedia modular example of DHMC patient tracking. *Invest Ophthalmol Vis Sci* 36(4):S81, 1995.
10. **Schertzer RM**, Pang DX, Connor CS, Singer JA, Bartholomew LR, Campbell DG, Bencsath-Makkai Zs, Connolly WES, Boyaner D: Multimedia Oculosurgical Module: A teaching module for phacoemulsification cataract surgery. *Invest Ophthalmol Vis Sci* 36(4):S795, 1995.
11. Pang DX, Campbell DG, Bartholomew LR, **Schertzer RM**: 3-D computer simulation of blunt ocular trauma. *Ophthalmology* 102(9A):150, 1995.
12. **Schertzer RM**, Pang DX, Bartholomew LR: Multimedia teaching module for

- phacoemulsification cataract surgery. *Ophthalmology* 102(9A):180, 1995.
13. **Schertzer RM**, Balazsi AG: Neuroretinal rim measurement. *Invest Ophthalmol Vis Sci* 37(3):S1091, 1996.
 14. Pang DX, Bartholomew LR, **Schertzer RM**, Campbell DG: 3-D computer simulation of blunt external ocular trauma. *Invest Ophthalmol Vis Sci* 37(3):S604, 1996.
 15. **Schertzer RM**, Pang DX, Bartholomew, LR: Multimedia teaching module for glaucoma surgery. *Invest Ophthalmol Vis Sci* 38(4):S555, 1997.
 16. **Schertzer RM**, Pang DX, Bartholomew LR: Multimedia teaching module for glaucoma surgery. *Ophthalmology* 104(9A):212, 1997.
 17. Sherman LK, **Schertzer RM**, Bernstam E, Pang DX, Bartholomew LR, Strecher VJ: Kiosk-based glaucoma screening. *Ophthalmology* 104(9A):212, 1997.
 18. Moroi SE, Gottfredsdottir MS, Johnson MW, Schteingart MT, Elnor SG, **Schertzer RM**, Abrams GW: Anterior uveitis and cystoid macular edema associated with latanoprost. *Ophthalmology* 104(9A):172, 1997.
 19. Yen KG, **Schertzer RM**, Moroi SE, Johnson AT: Management of glaucoma associated with Sturge-Weber and Klippel-Trenaunay-Weber Syndromes. *Invest Ophthalmol Vis Sci* 39(4):S939, 1998.
 20. Shimizu S, Lichter PR, Johnson AT, Zhou Z, Higashi M, Gottfredsdottir M, Othman M, Moroi SE, **Schertzer R**, Clarke MS, Schwartz AL, Downs CA, Vollrath D, Richards JE. (2000) Age-dependent prevalence of mutations at the GLC1A locus in primary open-angle glaucoma. *Invest Ophthalmol Vis Sci* 41:A4372, presented at Association for Research in Vision and Ophthalmology.
 21. Eibschitz-Tsimhoni M, **Schertzer RM**, Lichter PR, Musch DC, SMoroi SE: One year clinical experience with the Ahmed glaucoma-valve implant in patients with glaucoma, and the management of encapsulated cysts. Association for Research in Vision and Ophthalmology, Ft. Lauderdale, FL, 2000.
 22. Seto RJ, **Schertzer RM**: Skills Survey of Ophthalmologists of British Columbia. *CJO (COS Supplement)* June, 2002.
 23. **Schertzer RM**, Orton TD: Practice patterns of Canadian Glaucoma Specialists- planning for the next generation, *CJO (COS Supplement, A30-0080)*, June, 2005.
 24. **Schertzer RM**, Isbister CM, MacKenzie PJ: Comparison of Silicone and Polypropylene Ahmed Valve Glaucoma Drainage Devices, American Glaucoma Society Program Book, March, 2005.
- 2.4 Other (CD-ROM Publications)**
1. **Schertzer RM**, Pang DX, Bartholomew LR: Multimedia Oculosurgical Module #1: Phacoemulsification Cataract Surgery. April, 1998. (Distributed by Mosby, Inc.)
 2. **Schertzer RM**, Pang DX, Bartholomew LR: Multimedia Oculosurgical Module #2: Glaucoma

Surgery. May, 1998. (Distributed by Mosby, Inc.)

3. **Schertzer RM**, Pang DX, Bartholomew LR: Multimedia Oculosurgical Module #3: Oculoplastics Eyelid Malpositions. November 1998. (Distributed by Mosby, Inc.)

3. **BOOKS**

3.1 **Authored**

3.2 **Edited**

3.3 **Chapters**

1. Campbell DG, **Schertzer RM**: Pigmentary glaucoma. *IN*: Ritch R, Shields MB, Krupin T (eds): The Glaucomas. (St. Louis, MO: CV Mosby, 1996), Chapter 46, p975-991.
2. Campbell DG, **Schertzer RM**: Ghost cell glaucoma. *IN*: Ritch R, Shields MB, Krupin T (eds): The Glaucomas. (St. Louis, MO: CV Mosby, 1996), Chapter 60, p1277-1285.
3. **Schertzer RM**, Campbell DG: Surgical iridectomy and goniosynechiolysis. *IN*: Albert DM (ed): Ophthalmic Surgery: Principles and Techniques. (Malden, MA: Blackwell Science, 1999), Chapter 35, p425-432.

4. **PATENTS**

5. **SPECIAL COPYRIGHTS**

6. **ARTISTIC WORKS, PERFORMANCES, DESIGNS**

Multiple public performances of my electro-acoustic music compositions from 1982-1989 at Concordia University and McGill University in Montreal.

7. **OTHER WORKS (including Abstracts)**

8. **WORK SUBMITTED (including publisher and date of submission)**

Recent submissions published; other works in progress below

9. **WORK IN PROGRESS (including degree of completion)**

Reproducibility of visual field abnormalities Medmont vs Humphrey Perimetry (20% complete)

- Pilot data from 2004 analyzed
- Lack funding to take this beyond a pilot project

Does lack of glaucoma treatment persistence result in increased glaucomatous progression? (10% complete)

- Research proposal drafted
- Beginning to collect data