"The Department of Ophthalmology at BC Children’s Hospital is the main source of tertiary level eye care for the children of British Columbia."
Highlights and Achievements

The Department of Ophthalmology has been very busy over the past year. Our outpatient clinic is one of the busiest in the hospital, with close to 11,000 patient visits per year. Also in that time, our active staff has published more than 50 articles in peer reviewed literature. We also gave more than 40 presentations to our colleagues, locally and abroad, on a wide range of topics. We continue to be active in educating medical students and residents. We also take pride in training 2 fellows in the area of Pediatric Ophthalmology and Strabismus on an annual basis. Our most recent fellows were from Thailand and Ireland.

Our department continues to work in close association with Visual Impairment Program at CW Hospital. The Visual Impairment Program assesses children with visual impairment and links children to community and educational services. The program has been involved with many community educational initiatives and has presented nationally and internationally.

Our electrophysiology service has been upgraded in the past year with the assistance of the Hospital for Sick Children in Toronto. We had a week-long visit from one of their scientists, who helped update our unit, created a normative data base and improved the overall results of our testing. This will help in the diagnosis and management of blind infants, monitor the side effects of some medications and assist in the diagnosis of various retinal and optic nerve diseases. Also, we are pleased to report that, after a period of orthoptic staffing shortages, we look forward to returning to a full complement of staff in the coming months. This will enhance our services and increase our clinic efficiency.

Our department is busy getting ready to host the 6th Biennial Pediatric Ophthalmology and Strabismus Conference in September 2009. This is sponsored by the Division of Continuing Professional Development and Department of Ophthalmology and Vision Science at UBC. It is an exciting, two day, international meeting with international speakers.
and local faculty. It has been very popular amongst both general and pediatric ophthalmologists. This year, we managed to secure enough funding so that all BC ophthalmologists can attend free of charge.

Presentations, Lectures, and Formal Teaching

Presentations
24. Puvanachandra N, Pollock T, Lyons CJ. Ahmed glaucoma valve


31. UBC Department of Medical Genetics: Retinoblastoma: The Clinical Story begs for Genetic Analysis, spring, 2008.


Publications Apr 1, 2008 to Mar 31, 2009

1. Puvanachandra N. Aroichane M. Diffuse corneoscleral limbal neumomas with prominent corneal nerves in MEN Type IIB. Accepted without revision by the American Journal for Pediatric Ophthalmology and Strabismus as of May 6, 2008.


23. Puvanachandra N(F), Lyons CJ. Rapid measurement of corneal diameter in children: validation of a clinic-based digital photographic technique. JAAPSO (accepted)
24. Witwatwongwana A(F), Connolly M, Lyons C. Red reflex mimicking lens subluxation in a child undergoing orthokeratology. Eye (accepted).

25. Coplin R (F), Kersey JP (F), Cline RA, Lyons CJ. Cataract extraction in infancy: Outcomes and aphakic glaucoma. British Journal of Ophthalmology (submitted)


29. SN Yeung, MD PhD; KE Paton, MD; DAMaberley, MD MSc. Avastin for Iris Neovascularization Following Proton Beam Irradiation For Choroidal Melanoma. In press.


45. Fleming JC, Karcigolu ZA, White VA, Rootman J, Kivela T,


### Successful Grant Funding

<table>
<thead>
<tr>
<th>Project Title</th>
<th>PI</th>
<th>Team</th>
<th>Granting Agency</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>The typical and atypical maturation of course and fine stereopsis, March 2009</td>
<td>Gischi, D</td>
<td>Wilcox L. (York U)</td>
<td>CIHR</td>
<td>$130,375</td>
</tr>
<tr>
<td>Predicting occlusion, March 2009</td>
<td>Gischi, D</td>
<td>Regan D. (York U.)</td>
<td>CIHR</td>
<td>$89,205</td>
</tr>
<tr>
<td>Undergraduate student research award for Alan Yau</td>
<td>Giaschi, D</td>
<td></td>
<td>NSERC</td>
<td>$4,500</td>
</tr>
<tr>
<td>Graduate Fellowship for Marita Partanen</td>
<td>Giaschi, D</td>
<td></td>
<td>NSERC</td>
<td>$20,000</td>
</tr>
<tr>
<td>Michael Smith Foundnation Scholarship for John Secen</td>
<td>Giaschi, D</td>
<td></td>
<td>Michael Smith Foundation</td>
<td>$20,000</td>
</tr>
<tr>
<td>Scholarship top-up for Marita Partanen</td>
<td>Giaschi, D</td>
<td></td>
<td>Michael Smith Foundation</td>
<td>$7,000</td>
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</tbody>
</table>

### Student, Residents, and Fellows Supervised

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical Students</td>
<td>3 Medical Students rotate through a Pediatric Ophthalmology Clinic each week as part of their week of ophthalmology in clerkship.</td>
</tr>
<tr>
<td>Peter Zakrzewski</td>
<td>Resident Pediatric Ophthalmology (April 17- May 11, 2008)</td>
</tr>
<tr>
<td>George Yearsley</td>
<td>Resident Pediatric Ophthalmology (July 28 - Sept 21, 2008)</td>
</tr>
<tr>
<td>Claire Sheldon</td>
<td>Resident Pediatric Ophthalmology (Sept 22 - Nov 16, 2008)</td>
</tr>
<tr>
<td>Renee Talbot</td>
<td>Resident Pediatric Ophthalmology (Nov 17 – Jan 18, 2008)</td>
</tr>
<tr>
<td>Sonia Yeung</td>
<td>Resident Pediatric Ophthalmology (Jan 19 - March 15, 2009)</td>
</tr>
<tr>
<td>Jean Chuo</td>
<td>Resident Pediatric Ophthalmology (March 16 - present)</td>
</tr>
<tr>
<td>Travis Pollock (South Africa)</td>
<td>Pediatric Ophthalmology Fellows (2007-2008)</td>
</tr>
<tr>
<td>Chris Waite (Roy Cline MD)</td>
<td>Medical Student Elective, Selected to the U of A Ophthalmology program, June 2008</td>
</tr>
<tr>
<td>4th Year Medical Students (Alan Demco, MD)</td>
<td>Objective Structured Clinical Examinations. University of British Columbia, School of Medicine, Children's Hospital Ambulatory Care Building, Vancouver, British Columbia, Mar 1, 2009.</td>
</tr>
<tr>
<td>Dr Damrong Wiwatrongwana (Thailand) (Peter Dolman)</td>
<td>Oculoplastics/Orbit, January-July 2008</td>
</tr>
<tr>
<td>Dr. Tessa Fayers (England) (Peter Dolman)</td>
<td>Oculoplastics/Orbit, July-December 2008</td>
</tr>
<tr>
<td>Catherine Boden (Debbie Giaschi, PhD)</td>
<td>Research Assistant (graduate student, Library and Information Science)</td>
</tr>
<tr>
<td>Name</td>
<td>Title and Institution</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>---------------------------------------------------</td>
</tr>
<tr>
<td>Marita Partanen</td>
<td>2nd Year MSc Student</td>
</tr>
<tr>
<td>John Secen</td>
<td>2nd Year MSc Student</td>
</tr>
<tr>
<td>Alan Yau</td>
<td>NSERC USRA Summer Student</td>
</tr>
<tr>
<td>Emily Harrison</td>
<td>Work-study Student</td>
</tr>
<tr>
<td>Andrew Lam</td>
<td>Work-study Student</td>
</tr>
<tr>
<td>Dr. Roona Singha</td>
<td>Pediatric Oncology Fellow</td>
</tr>
<tr>
<td>Dr. Maram Issac</td>
<td>Pediatric Oncology Fellow</td>
</tr>
<tr>
<td>Adam Clarkson</td>
<td>Masters Student</td>
</tr>
<tr>
<td>Damrong Wiwatwongwana</td>
<td>Masters Student</td>
</tr>
<tr>
<td>William Thornton</td>
<td>Members of the Written Exam Committee of the RCPSC (Ophthalmology), Vancouver Hospital (VHHSC)</td>
</tr>
<tr>
<td>Panitee Luemsamran</td>
<td>Medical Director, Orthoptics Training Program, BCCH, 2007-present</td>
</tr>
<tr>
<td>Bryan Winn</td>
<td>Medical Director, Orthoptics Training Program, BCCH, 2007-present</td>
</tr>
<tr>
<td>Isabel Bleyen</td>
<td>Medical Director, Orthoptics Training Program, BCCH, 2007-present</td>
</tr>
</tbody>
</table>

## Honours and Awards

<table>
<thead>
<tr>
<th>Recipient</th>
<th>Name of Award</th>
<th>Date Received</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alan Demco, MD</td>
<td>Vancouver Coastal Health Physician Recognition, 20 year pin</td>
<td>June 2, 2008</td>
</tr>
<tr>
<td>Alan Demco, MD</td>
<td>BC Children’s &amp; Women’s Health Centre, 30 year recognition pin</td>
<td>December 15, 2008</td>
</tr>
<tr>
<td>Katherine Paton, MD</td>
<td>Vancouver Hospital 25 Year Service Award</td>
<td>June 2008</td>
</tr>
</tbody>
</table>

## Committee Participation

**Dr. Dolman**

1. Member of the Written Exam Committee of the RCPSC (Ophthalmology), Vancouver Hospital (VHHSC)
2. Medical and Academic Advisory Committee (MAAC)
3. Orbit Society, A Society of 26 international members, 2006-present
4. International Thyroid Eye Disease Society, Invited member, Steering Committee, 2007-present
5. BC Society of Eye Physicians and Surgeons
6. Reviewer (journal, agency):  
   - British Journal of Ophthalmology, 2000-current  
   - Canadian Journal of Ophthalmology, 2001-current  
   - J Pediatric Hematology and Oncology, 2007-current  
   - Ophthalmic Plastic and Reconst Surg, 2002-current  
   - Ophthalmology, 2003-current  
   - Thyroid, 2003-current

**Dr. Gardiner**

7. Member of the Written Exam Committee and Oral Exam Committee, RCPSC (Ophthalmology), 2007-present
9. Medical Director, Orthoptics Training Program, BCCH, 2007-present
10. Secretary/Treasurer, Canadian Association of Pediatric Ophthalmology, 2008–present

11. UBC Ophthalmology and Vision Science Continuing Education Committee, 2005–present

Dr. Giaschi

12. High Field MRI Centre Protocol Review Committee member 2004–present

13. NSERC USRA Faculty of Medicine Committee coordinator 2007–present

14. Teaching Evaluation Committee, Psychology member 2008–present

15. Ophthalmology Executive Advisory Committee member 2001–present


17. Residency Training Committee, Ophthalmology member 1998–present

18. Faculty of Medicine mentor: Lorienne Jenstad School of Audiology and Speech Sciences 2005–present

19. Neuroscience supervisory committees: Chair Natalie Pietravalle 2009–present; Member Lee Lau 2008–present; Member Adrienne Borrie 2007–present; Chair Samantha Palmer 2005–present

20. Psychology supervisory committees: Member Mandy Chen 2007–present

21. Reviewer (journal, agency):
   - Vision Research manuscript reviewer, 1991–current
   - Experimental Brain Research manuscript reviewer 1993–current
   - Natural Science and Engineering grant reviewer 1996–current
   - Research Council (NSERC)
   - Journal of Neuroscience manuscript reviewer 1997–current
   - Journal of Strabismus and manuscript reviewer 1997–current
   - Canadian Institutes for Health grant reviewer 2000–current
   - Ophthalmology manuscript reviewer 2000–current
   - Archives of Ophthalmology manuscript reviewer 2000–current
   - Psychological Science manuscript reviewer 2001–current
   - Spatial Vision manuscript reviewer 2003–current
   - Optometry & Vision Science manuscript reviewer 2004–current
   - Developmental Psychobiology manuscript reviewer 2004–current
   - Developmental Medicine manuscript reviewer 2004–current
   - Brain and Cognition manuscript reviewer 2005–current
   - Brain Topography manuscript reviewer 2005–current
   - Developmental Neuropsychology manuscript reviewer 2006–current
   - Journal of Vision manuscript reviewer 2006–current
   - Neropsychologia manuscript reviewer 2006–current

Dr. Kennedy

22. Chairman, Continuing Education Committee, Canadian Orthoptic Council

23. Member, Vision Screening Steering Committee, Ministry of Health, Province of British Columbia

24. Member, Vision Screening Committee, American Association for Pediatric Ophthalmology and Strabismus

Dr. Lyons

25. UBC Department of Ophthalmology and Vision Science: Director, Ophthalmology Residency Training January 1999–present
   - Member Residency Selection sub-committee
   - Member, UBC Ophthalmology Staff Committee
   - Member, UBC Advisory Committee
   - Member UBC Ophthalmology Manpower Committee

26. Member of the Written Exam Committee and Oral Exam Committee, RCPSC (Ophthalmology). British Columbia Children’s Hospital:
   - Head, Department of Ophthalmology 1995–present
   - Member, Surgical Specialties Cabinet Committee
   - Member Surgical Specialties Advisory Committee

27. Vancouver Hospital:
   - Member, Ophthalmology Staff Committee
   - Member, Medical Staff Committee

28. Reviewer (journal articles):
   - British Journal of Ophthalmology
   - Canadian Journal of Ophthalmology
   - Eye
   - Journal of the Association for Pediatric Ophthalmology and Strabismus

Dr. Ma

29. OR review Steering Committee VGH

30. OR capital disposable equipment ophthalmology committee
31. Ophthalmology redesign committee, UBC
32. CJO, Retinal paper Reviewer

Dr. Paton
33. Faculty of Medicine, UBC
Faculty of Medicine Integrating Study and Service Committee.
2004-present
Special Advisor to the Dean, Clinical Faculty Affairs, July 1, 2004–Dec 31, 2008
Executive Associate Dean, Clinical and Community Partnerships,
UBC Faculty of Medicine Feb 2009-present
Member UBC Research Ethics Policy Advisory Board (advisory to
VP Research) Sept 2002-present
Postgraduate Planning Task Force, UBC FoM, Health Authorities and
Ministry of Health
Clinical Faculty Affairs Committee - Chair
Faculty Health Initiative

34. UBC Department of Ophthalmology and Vision Science
 Administrative Roles:
Director, Ophthalmic Diagnostic Ultrasound
Director, Anterior Segment Assessment Unit
Ophthalmology Residents’ Journal Club, Chair, 1993-present
UBC Department of Ophthalmology Residency Training
Committee September 2002-present
Ophthalmology Resident Selection Committee

35. American International Society for Ocular Oncology
 Scientific Committee for 2009 meeting
36. British Columbia Medical Association
Elected Member of the Board, District 3 Delegate, Dec 1999-present
Member, Governance and Nominating Committee, June 2006-present
Member, Resolutions Committee of the Board, June 2006-present
UBC/ BCMA Joint Liaison Committee
CMA General Council, BCMA Delegate
37. Vancouver Medical Association - President
38. BC Cancer Agency Surgical Oncology Committee, 1991-present

39. BC Children’s Hospital Laser Use Committee, 1990-present
40. BC Children’s Hospital Oncology Group - Retinoblastoma Protocol
41. National Retinoblastoma Strategy Organizing Group (Canada)
  VHHSC:
  VHHSC Medical Quality of Care Committee, 1991-present
  VHHSC Medical Staff Committee, 1991-VHHSC Executive
  Committee, Medical & Allied Health
42. Professional Staff, 1990-present
  VHHSC Medical and Academic Advisory Committee, 1999-present
  VHHSC Medical Ethics Committee, 1998-present
  VCHA
  Vancouver Coastal Health Authority - member, Regional MAC
  Vancouver Coastal Health Authority - member Executive of
  Regional MAC
43. Founder, Vancouver Community Medical Staff Association

Dr. Rees
44. Honorary President of the Canadian Orthoptic Society (TCOS),
  2001-present

Dr. Rootman
45. Memberships on scholarly committees:
  American University Professors of Ophthalmology
  Education Group, 1996-present
  Research Support and Collaborative Research Committee, 1997-present
46. Memberships on other committees:
  BC Cancer Agency Professional Advisory Committee, 1992-present
  Associate Member: VGH Division of Neurosurgery, Department of
  Surgery, 1992-present
  VGH Foundation Art Committee, 1998-present
47. Grant Application Reviewer:
  Canadian Institutes on Health Research 1994-present
  EA Baker Foundation Review Committee - Prevention of Blindness
  Research Fund for New and Innovative Researchers, 1998-present
48. Scientific Reviewer:
  American Journal of Ophthalmology, 1992-present
Projects and Initiatives in Progress

Dr. Cline
2. Service to Remote Communities: UBC Ft St John Visiting Specialist Clinic.

Dr. Dolman

Dr. Gardiner
4. Prognostic Factors for retinal detachment post laser for retinopathy of prematurity, a 6 year review.
5. Retinopathy of prematurity laser rates, 2 years pre and 2 years post the implementation of new O2 saturation limits at BCCH special care nursery.
6. See also under CJ Lyons.

Dr. Lyons
8. Long-term outcome of exotropia correction. Wiwatwongwana A, Quan A, Lyons C.
10. Ocular involvement with Neurofibromatosis 1-related vasculopathies. Mulholland C, Lyons C.
12. Service to remote communities:
   - Fort Nelson, September 2008
   - Bella Coola 3-day clinic June 2008
   - Nelson (clinic + surgery) February, July, October 2008
   - Third World Work - Pediatric Ophthalmology with ORBIS (off the plane) in Phnom Penh, Cambodia April 2008.

Dr. Kennedy
14. Medical Director of iScreen LLC. (digital vision screen technology for children).

Dr. Ma

Dr. Paton
17. ARET 0332 A study of unilateral retinoblastoma with and without histopathologic high-risk features and the role of adjuvant chemotherapy.

Dr. Rootman
19. Pulsed dose steroids versus radiotherapy for treatment of thyroid orbitopathy, 1994 - present
20. Study of orbital lymphomas using term follow-up and gene rearrangement, 1995 - present
22. Orbital vascular lesions: definition and new treatments, 1996 - present
23. Retrospective and prospective studies of thyroid orbitopathy - new treatment methodologies for early intervention in patients with thyroid orbitopathy, 1997 - present
24. Orbital inflammatory disease: definition and treatment, 1997 - present
25. P Saeed, PJ Dolman, M Linder, M Davison, J Rootman, Outcome study of radiotherapy for the management of thyroid orbitopathy, present