

Curriculum Vitae

Mr. Rupert R. A. Bourne

BSc FRCOphth MD

August 2008

Consultant Ophthalmic Surgeon

Huntingdon Glaucoma Diagnostic & Research Centre

Hinchingbrooke Hospital (Huntingdon)

Moorfields Eye Hospital (Bedford)

Addenbrooke's Hospital (Cambridge)

Professor of Ophthalmology

Anglia Ruskin University (Cambridge)

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Personal Details.

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Qualifications: BSc (Hons), FRCOphth, MB BS, MD

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Education.**Post Graduate Examinations.**

2005 – Degree of Doctor of Medicine (M.D.), University of London.

2003 – Royal College of Ophthalmologists Exit Examination.

1999 – Final FRCOphth. Fellow of the Royal College of Ophthalmologists, UK.

1996 – Part II. FRCOphth.

1996 – Part I. FRCOphth.

Medical School/ University.

1994 - MB BS. University of London, UK.

1993 - United States Medical Licensing Examination Steps 1 & 2.

1991 – 1st Class Honours Bachelor of Science degree (Pathology and Basic Medical Sciences)

1988 – 1994 London Hospital Medical College, London.

Secondary School.

1988 - 3 A levels (Advanced) Biology, Chemistry, Physics.

1986 - 11 O levels (Ordinary).

1983 – 1988 - Royal Grammar School, Guildford, Surrey.

Present Appointments.

1. Consultant Ophthalmic Surgeon
Huntingdon Glaucoma Diagnostic & Research Centre
Hinchingsbrooke Hospital
Huntingdon

2. Consultant Ophthalmic Surgeon
Moorfields Eye Hospital (Bedford)

3. Consultant Ophthalmic Surgeon
Addenbrooke's Hospital (Cambridge)

4. Professor of Ophthalmology
Anglia Ruskin University (Cambridge)

Previous Fellow & Specialist Registrar Appointments in Ophthalmology

Glaucoma Fellow (Advanced Subspecialty Training Opportunity (ASTO)).

Moorfields Eye Hospital

March 2005 – November 2005

Senior Resident of the Glaucoma Service

Fellow to Mr Keith Barton (specialist interest uveitic and secondary glaucomas)

Fellow to Miss Maria Papadopoulos (specialist interest paediatric glaucoma)

International Clinical and Research Fellow in Glaucoma.

University of California San Diego

March 2004 – February 2005

Fellow to Professor Robert N. Weinreb, lead clinician of the Department of Glaucoma, Shiley Eye Center & Hamilton Glaucoma Center

Specialist Registrar (SpR) in Ophthalmology (4 years).

Moorfields Eye Hospital training rotation (North West Thames region.)

March 2000 - present.

Appointments included:

SpR 4. University College Hospital, London.

March 2003 - February 2004.

SpR 2 & 3. Moorfields Eye Hospital.

March 2001 – February 2003. Appointments included:

Medical Retina (Mr Johnathan Dowler & Mr Carlos Pavesio)

Anterior Segment (Mr John Dart)

Adnexal/Lacrimal (Mr Geoffrey Rose)

Glaucoma (Mr Ian Murdoch)

Vitreoretinal Service (Mr Robert Cooling/ Mr David Charteris)

Neuro-ophthalmology (Dr Gordon Plant/ Mr James Acheson)

SpR 1. Broomfield Hospital, Chelmsford

March 2000 – February 2001.

Research Fellow for Degree of Doctor of Medicine (M.D.)

International Centre for Eye Health, Institute of Ophthalmology, Moorfields Eye Hospital, London

May 1999 – February 2000.

Basic Training in Ophthalmology.

Senior House Officer (SHO) in Ophthalmology (2 year training rotation).

February 1998 - May 1999 Oxford Eye Hospital, Radcliffe Infirmary, Oxford.

February 1997 - February 1998 Royal Berkshire Hospital, Reading.

Senior House Officer (SHO) in Ophthalmology

February 1996 – February 1997 Royal United Hospital, Bath.

Appointments in other specialties.**Honorary post at the Groote Schuur Hospital, Cape Town, S. Africa**

(c/o Professor A. D. N. Murray, Department of Ophthalmology)

and fieldwork for **Visual Impairment Survey in Primary School Children in Dar Es Salaam, Tanzania.**

August 1995 – February 1996.

House Officer in General Medicine

General Medicine & Diabetes. Royal United Hospital, Bath

February 1995 – August 1995.

House Officer in General Surgery & Urology

The Royal London Hospital, Whitechapel, London (Prof. N.S. Williams)

August 1994 – February 1995

Medical Elective. Clinical Research Assistant

Tushinskaya Childrens' Hospital, Moscow, Russia (vaccination and diphtheria)

Cardiothoracic Surgery, St Petersburg, Russia

1993-4.

Membership of professional organisations.

The Royal College of Ophthalmologists

Medical Defence Union

The European Society of Cataract & Refractive Surgeons

Clinical experience

Following training as a SHO in Bath and Reading, I worked in specialist glaucoma clinics with John Salmon at the Oxford Eye Hospital. At that time, I performed my first glaucoma survey on the east coast of Greenland with the Inuit population who have the highest prevalence of primary angle-closure in the World. I performed the study with one of the world's angle-closure experts, Dr Poul Helge Alsbirk.

I spent four months with the Glaucoma Service at Moorfields Eye Hospital as a Specialist Registrar where I managed complicated cases of glaucoma as tertiary referrals and also managed patients with glaucoma who presented via Casualty. While a Registrar I completed over 30 glaucoma operations, the majority trabeculectomies but also cyclodiode procedures. In addition, I performed cataract extractions on patients with co-existent disease such as pseudoexfoliation.

My M.D. thesis, entitled 'The morphology of the optic nerve head in two representative South-east Asian populations', involved the use of clinical, planimetric and scanning laser ophthalmoscopy (the Heidelberg Retina Tomograph II) methods to analyse the optic nerve head in Thailand and Singapore, which was the first time optic disc morphology had been investigated in a population-based study in South-East Asia or indeed, East Asia. I was also able to report the prevalence of glaucoma in Thailand, which had been previously unknown. This was a valuable experience which taught me more about structural and functional methods of managing glaucoma from a cross-sectional perspective. While I was in Thailand, I met with Professor Robert Weinreb.

In 2004, I was invited by Professor Weinreb to be his International Clinical and Research Fellow at the Shiley Eye Center and Hamiton Glaucoma Center in the University of California San Diego. While there I published work with him on Ocular Coherence Tomography (see publication reference 1) and am preparing research for presentation (and subsequent publication) later this year at ARVO 2005 on the use of structural and functional tests in determining whether glaucomatous optic neuropathy is progressing, the 'holy grail' of glaucoma management. While half of the week was spent on research, the other half was spent working with Professor Weinreb in his

extremely busy glaucoma clinics and operating lists, which offered a valuable insight into the strategy of glaucoma management employed by him and his institution, which included the use of Information Technology and an Electronic Patient Record.

More recently, I was appointed as Glaucoma Fellow at Moorfields Eye Hospital where I have had the opportunity to learn more complex glaucoma procedures such as seton implants and repeat trabeculectomies. I worked with Mr Keith Barton, who has international expertise in the management of patients with uveitic glaucoma, with some clinics also involving Primary Care. In addition I worked with Miss Maria Papadopoulos who specialises in the management of paediatric glaucoma. As Senior Resident I organised the on-call rota and clinic profiles and also was integrally involved in the teaching programme.

Since my appointment as a consultant ophthalmic surgeon, I have set up the Huntingdon Glaucoma Diagnostic & Research Centre in Huntingdon which is a regional centre for glaucoma care, taking secondary and tertiary referrals. In September 2007, I was appointed as a consultant Ophthalmic Surgeon at Moorfields Eye Hospital and was appointed to lead the Glaucoma Service at Bedford Hospital, whose eye service had been amalgamated with that of Moorfields. This involved the implementation of specialised eye care. I have had two Glaucoma Fellows working with me in this regard, one a research fellow and the other clinical/research.

I also lead a community glaucoma scheme which was awarded a national Glaucoma Achievement Award for 2006/7. This pioneering scheme involves local optometrists trained in glaucoma diagnosis interacting with the hospital glaucoma service. I teach glaucoma at Addenbrooke's Hospital and will be starting an angle-closure glaucoma clinic in September 2008. I am site principal investigator at Hinchingbrooke for the UK Glaucoma Treatment study, one of few sites in the UK where this important longitudinal randomised controlled trial is taking place.

Professor of Ophthalmology, Anglia Ruskin University

I was appointed as Professor of Ophthalmology at ARU in October 2007. I organise the clinical teaching of optometry students in ophthalmology clinics at Hinchingsbrooke Hospital and have several research projects which are undergoing ethics approval at present. I am also about to appoint a postgraduate research assistant with the Global Burden of Disease project (see below). Recently, I have become involved with the Postgraduate Medical Institute of ARU and am actively involved in creating and strengthening networks of professionals in this region.

Ophthalmic Epidemiology

The overseas experience in designing, training and conducting surveys of eye disease has been very valuable, in particular for stimulating me to look beyond the clinic in developing a more population-based perspective on the impact of ophthalmic disease in the community.

I have been fortunate to act as the collaborating survey ophthalmologist from the International Centre for Eye Health for two of the largest population-based surveys of eye disease in the World, the first in Bangladesh and later in Pakistan. This has been immensely useful for these countries in understanding the burden of disease, the demographic and geographical distribution, and in planning health policy to overcome these problems. I was recently appointed to coordinate the vision expert group for the Global Burden of Disease Project which is an international project that examines the disability associated with disease. Partners include the World Health Organisation and Harvard University.

Ongoing Research Interests

The next section lists my publications to date. Essentially my research interests can be categorised as follows:

1. Epidemiology of Ocular Disease

This has involved the design, conduct and analysis of several large population-based surveys around the World. My Senior Lectureship post at the International Centre for

Eye Health involves continued work in this area and training and supervision of students on the MSc course in Community Eye Health. I regularly write and review articles on this subject. Other than glaucoma, a particular area of interest involves the epidemiology of refractive error and spectacle coverage.

2. Epidemiology of Glaucoma

This has involved the design, conduct and analysis of several large population-based glaucoma surveys around the World. This was also the subject of my MD which concerned optic disc morphology among Chinese and Thai populations. Several of the national surveys that I have designed, have incorporated a strong glaucoma component. I am currently writing the chapter for a new CD ROM of teaching slides of glaucoma aimed at developing countries.

3. Clinical research into glaucoma

I have conducted several studies relating to the clinical management of glaucoma, in particular the use of imaging technologies to diagnose and monitor progression of the disease. These are ongoing interests and further studies are underway, some involving collaborations such as the UK Glaucoma Treatment Study, a collaboration with Moorfields Eye Hospital.

4. Altitude Medicine and Expedition Medicine

I have a keen interest in this area and have lectured on this subject. A collaborative research project had resulted in several publications in this area including a book chapter.

Management Experience.

Leadership 5-Day Management Course. Moorfields Eye Hospital (MiAD UK) 10-14 October 2005.

Management course at The Hammersmith Hospital 9 April 2005.

Senior Resident for the Glaucoma Service, Moorfields Eye Hospital
March 2005 – present. This post requires organisation of on-call rotas and cover of the clinics by staff.

The Clinical/Research Fellowship in the United States was a valuable opportunity to learn how glaucoma and clinics are managed in a leading institution in San Diego.
2004

British Medical Association representative for Moorfields Eye Hospital residents
2002/3. This appointment coincided with the introduction of the European Working Time Directive to the hospital.

Assisted with Commission for Health Improvement governmental review of Moorfields Eye Hospital.
September 2001

Lead clinician for the Glaucoma Service at Hinchingsbrooke Hospital and co-lead for Moorfields Eye Hospital Glaucoma Service at Bedford.

In addition:

Collaborating Survey Ophthalmologist for:

The National Low Vision and Blindness Survey of Pakistan

The National Low Vision and Blindness Survey of Bangladesh

This position involved the design, training and analysis of both surveys, and the negotiation and presentation of information to senior ophthalmologists and government in the respective countries.

Ethics and Research Support for the Pakistan Institute of Community Ophthalmology, while Honorary Senior Lecturer at The London School of Hygiene and Tropical Medicine. 2004 – present.

Audit.

R R A Bourne, B P Dineen, S M Ali, D M N Huq, G J Johnson. The Outcomes of Cataract Surgery in Bangladesh- results from a population-based nationwide survey. *Br J Ophthalmol*; 87:813-819. 2003.

R R A Bourne, S Verma. The use of primary care and casualty services at Moorfields Eye Hospital.

R R A Bourne. Cataract Surgery: An audit of biometry and refractive outcome at Broomfield Hospital, Chelmsford. 2000.

R R A Bourne. The management of ophthalmic emergencies in the Accident and Emergency Department. Royal Berkshire Hospital, Reading. 1997.

Teaching Experience.

I have a keen interest in teaching which I have pursued during my career. While a Specialist Registrar at Moorfields Eye Hospital and at University College Hospital, I taught SHOs and medical students by organising a teaching programme and by practical sessions in clinics and operating theatre.

I have also taught overseas ophthalmologists in glaucoma, epidemiology and survey fieldwork and have trained other personnel such as nurses and ophthalmic technicians in ophthalmic techniques and instruments. This has involved preparation of teaching materials and many presentations.

I have also taught graders at Moorfields Eye Hospital Reading Centre in the analysis and interpretation of optic discs in the assessment of glaucomatous optic neuropathy and have prepared teaching materials for ongoing teaching programmes.

I was one of three ophthalmologists involved in the preparation of the first on-line education website for the British Journal of Ophthalmology.

Publications: Journals

1. Shah SP, Jadoon MZ, Dineen B, Bourne RR, Johnson GJ, Gilbert CE, Khan MD.
Refractive errors in the adult pakistani population: the national blindness and visual impairment survey. *Ophthalmic Epidemiol.* 2008 May-Jun;15(3):183-90.
2. Shah SP, Minto H, Jadoon MZ, Bourne RR, Dineen B, Gilbert CE, Khan MD; Pakistan National Eye Survey Study Group.
Prevalence and causes of functional low vision and implications for services: the Pakistan National Blindness and Visual Impairment Survey. *Invest Ophthalmol Vis Sci.* 2008 Mar;49(3):887-93.
3. Bourne RR, Foster PJ, Bunce C, Peto T, Hitchings RA, Khaw PT, Seah SK, Garway-Heath DF.
The morphology of the optic nerve head in the Singaporean Chinese population (the Tanjong Pagar study): part 2--Biometric and systemic associations.
Br J Ophthalmol. 2008 Mar;92(3):310-4.
4. Bourne RR, Foster PJ, Bunce C, Peto T, Hitchings RA, Khaw PT, Seah SK, Garway-Heath DF.
The morphology of the optic nerve head in the Singaporean Chinese population (the Tanjong Pagar study): part 1--Optic nerve head morphology.
Br J Ophthalmol. 2008 Mar;92(3):303-9.
5. Shah SP, Dineen B, Jadoon Z, Bourne R, Khan MA, Johnson GJ, De Stavola B, Gilbert C, Khan MD.
Lens opacities in adults in Pakistan: prevalence and risk factors.

Ophthalmic Epidemiol. 2007 Nov-Dec;14(6):381-9.

6. Gilbert CE, Shah SP, Jadoon MZ, Bourne R, Dineen B, Khan MA, Johnson GJ, Khan MD; Pakistan National Eye Survey Study Group.
Poverty and blindness in Pakistan: results from the Pakistan national blindness and visual impairment survey.
BMJ. 2008 Jan 5;336(7634):29-32. Epub 2007 Dec 17.
7. Bourne RR, Jahanbakhsh K, Boden C, Zangwill LM, Hoffmann EM, Medeiros FA, Weinreb RN, Sample PA.
Reproducibility of visual field end point criteria for standard automated perimetry, full-threshold, and Swedish interactive thresholding algorithm strategies: diagnostic innovations in glaucoma study. Am J Ophthalmol. 2007 Dec;144(6):908-913. Epub 2007 Oct 24.
8. Bourne RR.
Uncorrected refractive error and presbyopia: accommodating the unmet need. Br J Ophthalmol. 2007 Jul;91(7):848-50.
9. Jadoon Z, Shah SP, Bourne R, Dineen B, Khan MA, Gilbert CE, Foster A, Khan MD; Pakistan National Eye Survey Study Group.
Cataract prevalence, cataract surgical coverage and barriers to uptake of cataract surgical services in Pakistan: the Pakistan National Blindness and Visual Impairment Survey.
Br J Ophthalmol. 2007 Oct;91(10):1269-73.
10. Dineen B, Bourne RR, Jadoon Z, Shah SP, Khan MA, Foster A, Gilbert CE, Khan MD; Pakistan National Eye Survey Study Group.
Causes of blindness and visual impairment in Pakistan. The Pakistan national blindness and visual impairment survey. Br J Ophthalmol. 2007 Aug;91(8):1005-10.

11. Bourne R, Dineen B, Jadoon Z, Lee PS, Khan A, Johnson GJ, Foster A, Khan D.
Outcomes of cataract surgery in Pakistan: results from The Pakistan National Blindness and Visual Impairment Survey. *Br J Ophthalmol*. 2007 Apr;91(4):420-6.
12. Smith TS, Szetu J, Bourne RR.
The prevalence and severity of diabetic retinopathy, associated risk factors and vision loss in patients registered with type 2 diabetes in Luganville, Vanuatu. *Br J Ophthalmol*. 2007 Apr;91(4):415-9.
13. Bourne RRA. The Optic Nerve Head in Glaucoma. *J Community Eye Health* 2006;19:12-13.
14. Ng D, Zangwill L, Racette L, Bowd C, Pasual J, Bourne R, Boden C, Weinreb R, Sample P. Agreement and Repeatability for Standard Automated Perimetry and Confocal Scanning Laser Ophthalmoscopy in the Diagnostic Innovations in Glaucoma Study. *Am J Ophthalmol* 2006;142:381-386.
15. Jadoon MZ, Dineen B, Bourne RRA, Shah SP, Khan A, Johnson GJ, Gilbert CE, Khan MD. Prevalence of blindness and visual impairment in Pakistan: The Pakistan National Blindness and Visual Impairment Survey. *Invest Ophthalmol Vis Sci* 2006; 47(11):4749-55.
16. The Eye at Altitude. Daniel Morris, John Somner, Michael Donald, Ian McCormick, Rupert Bourne, Suber Huang, Peter Aspinall, Baljean Dhillon. *Advances in Experimental Medicine & Biology*. Vol. 588, p249-270.
17. Hoffmann EM, Boden C, Zangwill LM, Bourne RR, Weinreb RN, Sample PA. Inter-eye comparison of patterns of visual field loss in patients with glaucomatous optic neuropathy. *Am J Ophthalmol*. 2006 Apr;141(4):703-8.
18. Hoffmann EM, Medeiros FA, Sample PA, Boden C, Bowd C, Bourne RR, Zangwill LM, Weinreb RN. Relationship between patterns of visual field loss and retinal nerve fiber layer thickness measurements. *Am J Ophthalmol*. 2006 Mar;141(3):463-471.
19. Bowd C, Zangwill LM, Medeiros FA, Tavares IM, Hoffmann EM, Bourne RR, Sample PA, Weinreb RN. Structure-function relationships using confocal

- scanning laser ophthalmoscopy, optical coherence tomography, and scanning laser polarimetry..*Invest Ophthalmol Vis Sci.* 2006 Jul;47(7):2889-95.
20. Robert E MacLaren, Mythili Natkunarajah, Yasmin Riaz, Rupert RA Bourne Marie Restori, Bruce DS Allan. Biometry accuracy with 30+ Diopter Intraocular Lenses: biometry in extreme hyperopia. *J Cat Refract Surg 2006-in submission.*
 21. Bourne R. Worldwide glaucoma through the looking glass. *Br J Ophthalm.* 2006 90:253-254.
 22. Michael H. Goldbaum, Pamela A. Sample, Zuohua Zhang, Kwokleung Chan, Jiucang Hao, Te-Won Lee, Catherine Boden, Christopher Bowd, Rupert Bourne, Linda Zangwill, Terrence Sejnowski, David Spinak, Robert N. Weinreb. Using Unsupervised Learning with Independent Component Analysis to Identify Patterns of Glaucomatous Visual Field Defects. *Invest Ophthalmol Vis Sci.* 2005 46:3676-3683.
 23. Esther M. Hoffmann, Christopher Bowd, Felipe A. Medeiros, Catherine Boden, Franz H. Grus, Rupert R. Bourne, Linda M. Zangwill, Robert N. Weinreb. Agreement among 3 Optical Imaging Methods for the Assessment of Optic Disc Topography. *Ophthalmology* 2005 112 (12):2149-56.
 24. R Bourne, B Dineen, Z Jadoon, P Lee, A Khan, G Johnson, A Foster, D Khan, Pakistan National Eye Survey Study Group. The Pakistan National Blindness and Visual Impairment Survey—Research Design, Eye Examination Methodology and Results of the Pilot Study. *Ophthalmic Epidemiology* 2005 12:321-333.
 25. RRA Bourne, FA Medeiros, C Bowd, K Jahanbakhsh, LM Zangwill, RN Weinreb. Comparability of Retinal Nerve Fiber Layer thickness measurements with Optical Coherence Tomography instruments. *Invest Ophthalmol Vis Sci.* 2005 Apr;46(4):1280-5.
 26. RRA Bourne, BP Dineen, SM Ali, DM Noorul Huq, GJ Johnson. Correction of Refractive Error in the Adult Population of Bangladesh: Meeting the Unmet Need. *Invest Ophthalmol Vis Sci.* 2004; 45:410-417.

27. Bourne RRA, Minassian DC, Dart JKG, Rosen P, Kaushal S, Wingate N. The effect of cataract surgery on the corneal endothelium: phakoemulsification compared with extracapsular cataract surgery. *Ophthalmology*. 2004 Apr;111(4):679-85.
28. RRA Bourne, BP Dineen, SM Ali, DM Noorul Huq, GJ Johnson. Prevalence of Refractive Error in Bangladeshi Adults – results of the National Blindness and Low Vision Survey of Bangladesh. *Ophthalmology*. 2004; 111:1150-1160.
29. R R A Bourne, B P Dineen, S M Ali, D M N Huq, G J Johnson. The Outcomes of Cataract Surgery in Bangladesh- results from a population-based nationwide survey. *Br J Ophthalmol*; 87:813-819. 2003.
30. Bourne RRA, Sukodom P, Foster PJ, Tantisevi V, Jitapunkul S, Lee PS, Johnson GJ, Rojanapongpun P. The prevalence of glaucoma in Thailand: a population-based survey in Rom Klao district, Bangkok. *Br J Ophthalmol* 2003; 87: 1069-1074.
31. Dineen B, Bourne RRA, Ali SM, Huq DMN, Johnson GJ. Prevalence and causes of blindness and visual impairment in Bangladeshi adults – results of the National Blindness and Low Vision Survey of Bangladesh. *Br J Ophthalmol* 2003; 87:820-828.
32. Bourne RRA, Dineen B, Ali SM, Huq DMN, Johnson GJ. The National Blindness and Low Vision Prevalence Survey of Bangladesh – research design, eye examination methodology and results of the pilot study. *Ophthalmic Epidemiology* 2002: Vol 9:119-132.
33. Dineen B, Bourne RRA, Ali SM, Huq DMN, Johnson GJ. Prevalence and causes of blindness and visual impairment in Bangladeshi adults – results of the National Blindness and Low Vision Survey of Bangladesh. *Trans. Ophthalmol Soc Bang* 2002; 29 (2):101-111.
34. Dineen BP, Bourne RRA, Rosser DA, Ali SM, Huq DMN, Laidlaw DAH, Johnson GJJ, Murdoch IE . Inter- and Intra-examiner agreement in the measurement of monocular and binocular visual acuity using the ‘Reduced logMAR’ tumbling E chart. *Eye* 2005:In Press.

35. Bourne RRA, Rosser DA, Sukudom P, Dineen B, Laidlaw DAH, Johnson GJJ, Murdoch IE. Evaluating a new logMAR chart designed to improve visual acuity assessment in population- based surveys. *Eye* 2003; 17(6): 754-758.
36. Bourne RRA, Sorensen KE, Klauber A, Foster PJ, Johnson G, Alsbirk PHA. Glaucoma in East Greenlandic Inuit- a population-based survey in Ittoqqortoormiit (Scoresbysund) *Acta Ophthalmol Scand.* 2001 Oct;79(5):462-7.
Entry in *Health Research in Greenland- 1999* (Innussuk, Arctic Research Journal).
37. Bourne RRA, MacLaren RE, Paralukar M. Excellent visual outcome following perforating gunshot injury to the globe. *J R Army Med Corps* 2002;148: 144-147.
38. RRA Bourne, SJ Talks, AB Richards. Treatment of preretinal vasa haemorrhages with Neodymium:YAG laser. *Eye* 1999 13:6.
39. R Bourne, C Karabatsas, HB Hoh, R Finlay. Acute glaucoma associated with iris naevus syndrome. *Ophthalmologia* 1997, 9:296-299.
40. HB Hoh, R Bourne, R Baer. Visual recovery following phacoemulsification using topical anaesthesia. *J Cataract Refract Surg* 1998 Oct; 24(10): 1385-9.
41. Bourne RR, Ivanov VA, McKenzie SA. Sir John McNee bequest summary of a report on a period of elective study immunization rates in Moscow preschool children. *Trans Med Soc Lond.* 1993-94; 110: 119-21.
42. Bourne RRA, MacLaren RE. Intracranial plasmacytoma masquerading as Gradenigo's Syndrome. *Br J Ophthalmol* 1998; 82:456.
43. Bourne RRA, Dolin PJ, Mtanda AT, Plant GT, Mohamed AA. Epidemic optic neuropathy in primary school children in Dar es Salaam, Tanzania. *Br J Ophthalmol* 1998; 82: 232-234.
44. Bourne RRA, Greenwald S. The application of histomorphometric image analysis to the quantification of aortic scleroprotein and smooth muscle content. *J Pathology* 1993; 169: 163a.
45. Bourne RRA, Ivanov V, McKenzie S. Vaccination rates in Moscovite children. *Lancet* 1994; 344: 1366.

Appointments as an Invited Reviewer

I have been an **invited reviewer** for the following journals:

Acta Scandinavica Ophthalmologica

Ophthalmic Epidemiology

Investigative Ophthalmology and Visual Science

Eye

American Journal of Ophthalmology

Public Library of Science (Academic Editor)

British Journal of Ophthalmology

Publications: Books

1. **Scanning Laser Imaging in Atlas of Glaucoma, 2nd Edition. Choplin, N.T. & Lundy, D.C. Eds.** Authors: C Bowd, LM, Zangwill, RRA Bourne, RN Weinreb. 2006.
2. **The Eye at Altitude.** Daniel Morris, John Somner, Michael Donald, Ian McCormick, Rupert Bourne, Suber Huang, Peter Aspinall, Baljean Dhillon. *Advances in Experimental Medicine & Biology*. Vol. 588, p249-270.
3. **Wolff's Anatomy of the Eye and Orbit.** AJ Bron, RC Tripathi, BJ Tripathi. Contributed a section on racial differences in optic disc morphology.
4. **Royal Geographical Society Expedition Medicine 2002, 2nd Edition.** Profile Books, London. Contributed the ophthalmology perspective.

Awards.

2003. **Winner of Royal Society of Medicine; Ophthalmology section:** best overall presentation.

2003. **Pharmacia ARVO Travel Award**

2000. **Singapore National Eye Centre conference. (oral presentation). Best paper award.** The Use of the Heidelberg Retinal Tomograph – II in a population-based glaucoma survey.

1993. **The Medical Society of London** (Sir John McNee Bequest) award for medical elective: Vaccination rates in Moscovite children. Report published in Transactions of this Society. Also for medical elective work: 3M Riker Prize & ICI Prize.

1993. **George Riddoch Prize** for Neurology

Grants.

Name	Date	Study	Amount
TFC Frost	1998	Greenland	£ 3,000
Gino Watkins Memorial Fund	1998	Greenland	£3,000
Grosserer Christian Andersen og hustru Ingeborg Ovidia Signe Andersen, født Schmidts Legat.	1998	Greenland	£1,000
International Glaucoma Association	2001	Thailand & MD	£ 22,500
British Council for Prevention Blindness	2000	Bangladesh	£29,000
Sightsavers International	1999-2000	Bangladesh	£150,000
WHO, Fred Hollows Foundation, Christen Blinden Mission, Sight Savers International	2001-2003	Pakistan	£300,000
TFC Frost	2003	U.S.A Fellowship	\$24,000
Heidelberg Engineering	2003	U.S.A Fellowship	\$24,000
Pfizer	2007	UKGTS	Undisclosed
Allergan	2007	Phase IV clinical trial	Undisclosed

Interests.

I enjoy travelling and experiencing other cultures. While at medical school I travelled alone in Russia and China, following classes in Russian language (1991-3: Evening classes at Goldsmiths College, London). Following the choice of ophthalmology as a career, I performed fieldwork on epidemic optic neuropathy in Tanzania and South Africa, and this led to involvement with the International Centre for Eye Health, with support from Professor Gordon Johnson. An invitation to be the collaborating survey ophthalmologist for the Bangladesh National Eye Survey allowed me to work in this beautiful but rarely visited country, and the success of this survey led to an invitation to perform the Pakistan National Eye Survey, which has only recently been completed.

I have been a Fellow of the Royal Geographical Society for many years and in 2000 I was elected Chairman of the Young Fellows' Committee which takes care of the interests of over 3,000 Fellows. I have lectured there on Ocular Emergencies during the Expedition Medicine conference, and contributed to the Society's book on Expedition Medicine. I was the Expedition Doctor (and summiter!) for the 2nd British Ascent of the three highest Arctic Peaks in 1999, which was partially funded by winning the Gino Watkins Trust grant.

I am a keen sportsman, having shot for the University of London, which was rewarded with a Half Purples. I ran the rifle club at my medical school and was awarded Full and Half Colours & Half- Laurels for shooting. I run and swim frequently and in 2003 took part in the London Triathlon and in 1996, the London Marathon. The last year spent on a Glaucoma Fellowship enabled me to learn how to surf, a prerequisite in San Diego.

Other interests include history, French and photography.

My wife is a General Practitioner and we have three sons.

Referees (United Kingdom).

Professor Roger A. Hitchings

FRCOphth MD

Consultant Ophthalmic Surgeon

Glaucoma Research Unit

Moorfields Eye Hospital

City Road,

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Mr John Dart

MA (Zoology) BA (Medical Sciences) BM BCh DO FRCS FRCOphth MD

Consultant Ophthalmic Surgeon

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Professor Shahina Pardhan

Department of Optometry

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East Road

Cambridge

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Referees (International).

Professor Robert N Weinreb
MD

Professor and Vice Chair
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