

## Faculty 1: Dr. David Smerdon



### Personal Data

Name : David Laurence Smerdon  
Address : Hazel Grove, Whorl Hill, Faceby, Middlesbrough TS9 7BZ  
Date of Birth : 7th September 1954  
Age : 48  
Place of Birth : Liverpool  
Nationality : British  
Marital Status : Married  
Children : Ian (20), Andrew (17), Richard (11), James (9)

### Education

#### Schools

St Edmund's Infants School, Waterloo, Liverpool 22 (1959 - 1961)  
St Mary's College, Crosby, Liverpool 23 (1961 - 1973)

#### University

Dundee University (Ninewells Hospital and Medical School), Dundee (1973 - 1978)

### Qualifications

10 "O" levels  
4 "A" levels  
MB ChB Dundee 1978  
Primary FRCS, Glasgow, 1980  
FRCS, Edinburgh, 1983  
FRCOphth from inception

### Academic achievements

1. Dundee University Undergraduate Ophthalmology Prize, 1977
2. Muthusamy Medal in Ophthalmology (1983-4), Royal College of Surgeons of Edinburgh

### Professional experience

1. August 1978 - February 1979, House Surgeon,  
Middlesbrough General Hospital  
Ayresome Green Lane  
Middlesbrough  
TS5 5AZ
2. February 1979 - August 1979 House Physician  
Middlesbrough General Hospital  
Ayresome Green Lane  
Middlesbrough
3. August 1979 - February 1981 SHO in Ophthalmology  
Ninewells Hospital and Medical School,  
Ninewells  
Dundee

4. February 1981 - August 1984	DD2 1UB Registrar in Ophthalmology St Paul's Eye Hospital Old Hall Street Liverpool Merseyside
5. August 1984 - May 1987	Senior Registrar in Ophthalmology Birmingham and Midland Eye Hospital Church Street Birmingham B3 2NS
6. June 1987 to the present	Consultant Ophthalmologist North Riding Infirmary Newport Road Middlesbrough TS1 5JE

### Scientific Publications

1. Hung S O, Smerdon D L  
Eyeball Injury due to Fishing  
J Trauma 1984, 24: 11, 997 - 998
2. Smerdon D L, Akingbehin A O, Hung S O  
Double-blind controlled trial to compare the Anti-inflammatory Effects of Tolmetin 2%, Prednisolone 0.5% and Placebo in Post Cataract Extraction Eyes  
Br J Ophthalmol 1986, 70: 761-763
3. Rennie I G, Smerdon D L  
Effect of Oral Nadolol on the Intraocular Pressure of Normal Volunteers  
Am J Ophthalmol 1986, 100: 445 - 447
4. Cole M D, Clearkin L, Dabbs T, and Smerdon D L  
The seat-belt law and after  
Br J Ophthalmol 1987, 71: 436 - 440
5. Cole M D, Smerdon D L  
Penetrating Injuries Caused by Darts  
Br J Ophthalmol 1988, 72: 511 - 514
6. Smerdon D L, Willshaw H E  
Visual after-effects associated with the use of high-resolution visual display units  
Br J Ophthalmol 1988, 72: 823 - 828
7. Wood J M, Wild J M, Smerdon D L, Crews S J  
Alterations in the shape of the automated perimetric profile arising from cataract  
Graefe's Arch Clin Exp Ophthalmol, 1989 227: 157 - 161
8. Smerdon D L, Sutton G A  
Analysis of the factors involved in cosmetic failure following excision of the eye  
Br J Ophthalmol 1988, 72: 768 - 773
9. Chitkara D K, Smerdon D L  
Intraocular lens packaging  
Eur J Implant Ref Surg, 1991, 3: 215 - 220
10. Chitkara D K, Smerdon D L  
Cataract extraction after glaucoma surgery  
Eur J Implant Ref Surg, 1995, 7: 14 - 16

11. Rattigan S M, Ellerton C R, Chitkara D K, Smerdon D L  
Flexible-loop anterior chamber intraocular lens implantation after posterior capsule complications in extracapsular cataract extraction  
J Cataract Refract Surg 1996 22: 243-246
12. Ellerton C R, Rattigan S M, Chapman F M, Smerdon D L  
Secondary implantation of open-loop, flexible anterior chamber intraocular lenses  
J Cataract Refract Surg 1996 22: 951-954
13. Chitkara D K, Smerdon D L  
Risk factors, complications and results in extracapsular cataract extraction  
J Cataract Refract Surg 1997 23: 570-574

### Current research interests

1. **Automated endothelial cell analysis** - Image processing equipment is being used to determine an algorithm for automatic contact endothelial cell counting. This is proving very difficult despite help from The Computing and Mathematics Departments of both Teesside and Sunderland Universities. Even though the prospect of automated cell analysis is receding, a number of useful spin-offs have helped streamline our endothelial specular microscopy service.
2. **Corneal Transplantation** - all clinical aspects. Currently we are comparing the effect of aetiology, neovascularisation, rejection, graft size and graft number on two and five year survival of corneal grafts. A long term study of the effect of an increase in the graft size (from 7 to 8 mm) on the long term survival of grafts with iatrogenic bullous keratopathy is being studied.
3. **Cataract audit** - I have the results of nearly 4000 of my own cataract operations fully documented. The newest 1700 have been entered into my computer prospectively. The older ones were prospectively entered into a log book and are now being entered into my computer. Certain key fields are complete for all 3930. We are currently examining the relationship between biometry, key parts of the technique and operative complications. As soon as this task is finished, I intend to form a cataract study group at the NRI with a view to publishing the useful information from this survey.
4. **Sub-Tenon's anaesthesia** – We are looking at cancellations in the Operating Room by anaesthetic technique. A preliminary audit has shown a reduction in operating room cancellations with sub-Tenon's anaesthesia compared with other techniques. A more extensive formal study is underway. I have converted completely to sub-Tenon's anaesthesia.

### Examination experience

1. Examiner for the British Orthoptic Society from 1986
2. External Examiner in Ophthalmology for Orthoptics Degree from 1995-1997
3. Examiner for the FRCSEd in Ophthalmology since 1996.
4. Examiner for the MMED/MRCSEd examinations in Singapore 1999-2000
5. Examiner for the Hong Kong FRCSEd in ophthalmology in 1990.
6. Examiner for the FRCSEd in Ophthalmology in Bahrain in 2001.
7. Member of the Specialty Advisory Board of the Royal College of Surgeons of Edinburgh

8. Member of the RCOphth and RCSEd Examinations Liaison Committee from its inception
9. I represent the RCSEd on ICO Question setting
10. Appointed Team Leader for inaugural New style MRCSEd Ophthalmic examination in Bahrain for 2002.
11. External Assessor (for the RCSEd) of MRCOphth Part 2 twice and Part 3 once in 2002

**Scientific Presentations (excluding internal teaching to NRI staff)**

1. The effects of visual display units on colour vision  
New Perspectives in Ophthalmology  
Harrogate, June 1986
2. The effects of visual display units on colour vision  
Faculty of Ophthalmologists' Senior registrar Study Tour  
Waterford, Ireland, October 1986
3. Contact lenses and the orthoptist  
Midlands Branch of the British Orthoptic Society,  
Wolverhampton, 1986
4. Orbital volume loss following excision of the eye  
Royal Society of Medicine Registrars Meeting  
London, June 1986
5. Video presentations (for Mr M J Roper-Hall)  
UKIIS,  
Chepstow, 3-5 June 1987
6. Fluorescein angiography and the optic disc  
College Congress (Part of angiography symposium)  
Harrogate, 1988
7. The pitfalls of setting up a corneal graft service  
UKTS users group meeting,  
Bristol, 1988
8. Cheapskate anterior segment photography  
BOPA Annual Conference  
Birmingham, November 1988
9. Consent for cataract surgery  
First ENTER Medicolegal Conference  
Blackwell Grange, Darlington, 11 - 13.10.89
10. Survey photography (of anterior segment)  
North of England Ophthalmological Society  
Middlesbrough, 19.5.89
11. Can I have the Russian operation?  
MSD New Perspectives in Ophthalmology  
Nottingham 1989

12. Medicolegal problems in ophthalmology  
Dundee Postgraduate Programme  
April 1990
13. Endophthalmitis  
North of England Ophthalmological Society,  
Preston, 11.9.91
14. Severe corneal infections  
MSD New Perspectives in Ophthalmology  
Stratford 1991
15. Minimising corneal graft astigmatism  
MSD sponsored corneal graft minisymposium  
Durham 1992
16. Circular capsulorhexis in extracapsular cataract extraction  
UKIIS  
Birmingham 1.10.92
17. Why didn't the slit lamp photograph show what I wanted?  
BOPA Annual Conference, Liverpool  
November 1992
18. Why do corneal grafts fail?  
Royal Hallamshire Hospital (Postgraduate Teaching Session)  
Sheffield 1993
19. Review of 500 cases of CCC in conventional extracapsular cataract surgery  
UKIIS Satellite meeting  
Birmingham 1994
20. Decentring of implants despite a continuous curvilinear capsulorhexis (CCC)  
UKIIS annual meeting, Belton Woods Hotel  
Grantham, 22.9.94
21. Minimising corneal graft astigmatism  
Joint meeting of North of England and Midlands Ophthalmological Society  
Sheffield, 1994
22. Corneal dystrophies  
North East Optometrists meeting  
Teesside Airport, 1996
23. Can I have laser treatment for my short sight?  
Nottingham Postgraduate Program,  
26.1.96
24. Iatrogenic corneal opacification  
Aberdeen Postgraduate Program  
22.2.96
25. Pharmacokinetics and Glaucoma  
Refresher course for MSD representatives  
Drayton House, Southport, 21.3.96
26. Pathogenesis of Glaucoma

Refresher course for MSD representatives  
Drayton House, Southport, 21.3.96

27. Horrendous grafts  
Dundee Regional Postgraduate Programme  
1996
28. Factors affecting long term survival of corneal grafts  
Northern Regional Postgraduate Programme  
November 1996
29. External and slit lamp photography  
Northern Regional Postgraduate Programme  
November 1996
30. The rudiments of slit lamp photography  
BOPA Annual Conference  
November 1996
31. The rudiments of endothelial specular microscopy  
BOPA Annual Conference  
November 1996
32. Should we be performing PRK on healthy corneas?  
Symposium on Laser Refractive Surgery run by Charles McGhee  
Royal College of Ophthalmologists Annual Congress 1996
33. Video Workshop for Local Anaesthesia for Cataracts  
Tutor from its inception, Middlesbrough 1996-9  
Speaker on three occasions:  
Applied Anatomy for Ophthalmic Anaesthetists  
Applied Anatomy for Ophthalmic Anaesthetists  
Preference for General Anaesthesia (debate speaker)
34. Preoperative factors affecting corneal graft astigmatism  
Part of symposium on Corneal Graft Astigmatism  
UKISCRS Annual Meeting, Chester 1997
35. Which implant?  
Part of symposium on Traumatic Cataract and Poor Zonular Support  
UKISCRS Annual Meeting, Chester 1997
36. Lamellar and penetrating keratoplasty  
British Council Ophthalmology Course  
Bristol, 1997
37. Introduction to Elevation Topography  
UKISCRS Satellite Meeting April 1998  
Glasgow
38. Audiovisual aids (part of Presentation skills course)  
North Riding Infirmary  
Middlesbrough July 1998
39. Corneal Topography  
Part of OMA Course at UKISCRS Annual Meeting  
Chester 1998

40. Anterior segment photography  
Part of symposium on Ophthalmic imaging  
UKISCRS Annual Meeting, Chester 1998
41. Long Term Corneal Graft Success  
Corneal Symposium (part of Northern Regional post graduate programme)  
November 1998, NRI Middlesbrough
42. The work of the Corneal Users Group of UKTSSA  
Part of the UKTSSA workshop  
Dundalk Eire 1998
43. Corneal grafts: heroic successes and dismal failures  
Invited speaker - Postgraduate Programme  
The Princess Alexandra Eye Pavillion, Edinburgh, February 1999
44. Corneal topography  
Invited speaker – North of England Ophthalmological Society Meeting, Keswick  
19 March 1999
45. Contact lenses and the ophthalmologist  
Optometrists refresher course  
Drayton House, Southport, 1999
46. Recent advances in Cataract Surgery  
Guisborough Health Centre  
16 April 1999
47. Sub-Tenon's Local Anaesthesia – an Ophthalmologist's View  
BOAS inaugural Meeting, Yarm  
18 June 1999
48. Aspects of Cataract Surgery "The Dartmoor Lecture"  
Torbay Hospital Ophthalmic Postgraduate programme  
9 July 1999
49. Corneal Topography  
Part of OMA Course at UKISCRS Annual Meeting  
Chester September 1999
50. Training (Part of Update North - Cataract and Refractive Surgery  
NRI Middlesbrough  
24 September 1999
51. Interpretation of Signs in the Ocular Fundus  
Invited speaker - Medical Postgraduate Teaching Programme  
8 October 1999, North Tees General Hospital
52. Corneal Topography (part of Ophthalmic imaging Symposium)  
Royal College of Ophthalmologists  
3 December 1999, London
53. External photography  
Invited speaker - MCLOSA  
10 December 1999

54. Diagnosis and Management of Bacterial Keratitis  
Part of "Millenium Corneal Symposium"  
January 2000, Nottingham
55. Sub-Tenon's Anaesthesia  
Part of "Ophthalmic Anaesthesia" Symposium  
July 2000, Oxford Ophthalmological Congress
56. Investigative Techniques for Refractive Surgery  
UKISCRS Optometry Course  
September 2000, Chester Moat House
57. Anaesthetic Techniques for High Volume Cataract Surgery  
Part of "Action on Cataracts", UKISCRS Annual Meeting  
September 2000, Chester Moat House
58. Secondary Glaucomas  
Update North – Disorders of aqueous production and drainage  
April 2001 North Riding Infirmary
59. The Work of the Corneal Advisory Group  
UKT Peripatetic Meeting  
April 2001, Manchester Heath Authority
60. Sub-Tenons Local Anaesthetic  
Invited speaker: Belfast Postgraduate Teaching Programme  
June 2001, RVH, Belfast
61. Four presentations on Corneal Transplantation  
Corneal Transplantation Wetlab for UKISCRS  
22 February 2002, Warrington Microsurgical Centre
62. 2001 UKISCRS Membership Survey results  
UKISCRS Annual Meeting  
September 2001, Chester Moat House
63. Post operative Orbital Inflammation – is it the hyalase?  
UKISCRS Annual Meeting  
September 2001, Chester Moat House
64. Secondary Glaucoma  
Invited speaker to the local Glaucoma Society  
North Riding Infirmary, 19 January 2002
65. Infrastructure and Organisation of Corneal Services  
Invited speaker at Seminar on Anterior Segment Disease  
8 February 2002, Royal College of Ophthalmologists
66. Three presentations on Corneal Transplantation  
Corneal Transplantation Wetlab for UKISCRS  
22 February 2002, Warrington Microsurgical Centre
67. Organisation of Eye Casualty Services  
Part of Update North on Emergency Ophthalmology  
15 March 2002, North Riding Infirmary
68. Management of Foreign Body Sensation



Part of Update North on Emergency Ophthalmology  
15 March 2002, North Riding Infirmary

69. Liaison with clinic, GP and other specialists  
Part of Update North on Emergency Ophthalmology  
15 March 2002, North Riding Infirmary
70. Penetrating Ocular Injury Part of Update North on Emergency Ophthalmology  
15 March 2002, North Riding Infirmary
71. Superficial Ocular Trauma and Chemical Injuries  
Part of Update North on Emergency Ophthalmology  
15 March 2002, North Riding Infirmary
72. Anaesthesia for High Volume Cataract Surgery  
Irish College of Ophthalmologists  
3 May 2002, Westport, Eire
73. Cataract incisions – Corneal v Limbal v Phaco  
Basic Microsurgical Skills Course for RCOphth  
14 May 2002, Warrington Microsurgical Centre
74. Primary management of ocular trauma/stellate wound and use of viscoelastic  
Basic Microsurgical Skills Course for RCOphth  
14 May 2002, Warrington Microsurgical Centre
75. Biometry errors  
Biometry and IOL Prediction Course, RCOphth Annual Conference  
22 May 2002, Manchester
76. Orbital complications of Hyalase (part of Hyalase Workshop)  
British Ophthalmic Anaesthesia Society Annual Meeting  
28 June 2002, International Convention Centre, Birmingham
77. 2002 UKISCRS Membership Survey results  
UKISCRS Annual Meeting  
September 2002, Chester Moat House

#### **Courses and Symposia organised - Regional**

1. Ophthalmic imaging symposium (joint organiser)  
North of England Ophthalmological Society Meeting  
Stockton, 1988
2. Emergency ophthalmology (joint organiser)  
North of England Ophthalmological Society Meeting  
Middlesbrough, 1994
3. Presentation skills course (joint organiser)  
North Riding Infirmary  
Middlesbrough July 1998
4. Corneal Transplantation (sole organiser)  
(Part of Northern Regional post graduate programme)  
November 1998, NRI Middlesbrough

5. Update North - Medical Ophthalmology (joint organiser)  
RVI, Newcastle  
7 May 1999
6. Presentation skills course (sole organiser)  
North Riding Infirmary  
Middlesbrough July 1999
7. Update North - Cataract and Refractive Surgery (joint organiser)  
NRI Middlesbrough  
24 September 1999
8. Update North – Disorders of the Vitreous (joint organiser)  
Sunderland Eye Infirmary  
April 2000
9. Update North – Disorders of the lids lacrimal apparatus and orbits (joint organiser)  
West Cumberland Infirmary  
September 2000
10. Update North – Glaucoma (joint organiser)  
North Riding Infirmary  
September 2000
11. Update North – Neuro-ophthalmology (joint organiser)  
Royal Victoria Infirmary  
October 2001
12. Update North – Emergency Ophthalmology (joint organiser)  
North Riding Infirmary  
15 March 2002
13. Update North – Paediatric ophthalmology (joint organiser)  
North Riding Infirmary  
14 June 2002
14. Update North – Disorders of the Vitreous (joint organiser)  
Sunderland Eye Infirmary  
11 October 2002
15. Update North – Medical Retina (joint organiser)  
Royal Victoria Infirmary  
6 December 2002

#### **Courses and Symposia organised - National and International**

1. ENTER Medicolegal Conference (joint organiser)  
Three conferences, from 1989  
Darlington and Durham
2. Management of the difficult cataract (sole organiser)  
UKISCRS inaugural meeting  
Birmingham May 1995
3. Iatrogenic corneal opacification symposium (sole organiser)

Included 2 speakers from USA, Oxford Ophthalmological Congress  
July 1995

4. Cataracts - the global problem (sole organiser)  
Oxford Ophthalmological Congress  
July 1997
5. Corneal graft astigmatism (joint organiser)  
UKISCRS Annual Meeting  
Chester 1997
6. An Eye on the Law (joint organiser with Andree Welsh of ENTER)  
Invited organiser by RCOphth for College Congress  
Glasgow 1998
7. Corneal Topography (joint organiser with Deepak Chitkara)  
UKISCRS Satellite Meeting  
Glasgow 1998

**Organiser of Symposium on Myopia for the Oxford Ophthalmological Congress, July 2003 (Reviewing Experience)**

1. Journal of Cataract and Refractive Surgery  
Reviewer since 1986 (57 reviews to date)
2. EYE  
Four reviews to date
3. British Journal of Ophthalmology  
Four reviews to date
4. Hong Kong Journal of Ophthalmology  
Two reviews to date

**Editorial Work**

1. British Ophthalmic Anaesthesia Society (BOAS)  
Newsletter editorial board member. Appointed 2001
2. Journal of Cataract and Refractive Surgery  
Editorial board member. Appointed November 2001
3. EYE  
Guest editorial "Needle local anaesthesia – a chip off the old block?"

**Local Committee Work**

1. **ENTER** (Ear, Nose Throat and Eye Research - an organisation formed to facilitate research into the special senses at the North Riding Infirmary in Middlesbrough)  
Founder member and Honorary Treasurer
2. Trust Health Records Committee

Member from 1996

3. Update North (an organisation set up to provide a four year rotating curriculum-based didactic course in Ophthalmology primarily for Northern Region SHOs)  
Chairman since its inception
4. Royal College of Ophthalmologists College Tutor for NRI Eye Department  
From February 1999 to October 2001.
5. Trust Medical Education Committee  
Committee member from February 1999 to October 2001.
6. Trust Standards Committee  
From February 1999 to October 2001
7. Regional Education Committee  
Committee member from February 1999 to October 2001.

### **National Committee Work**

1. **OTAG** (Ocular Tissue Advisory Group – formerly the Corneal Advisory Group a subcommittee of United Kingdom Transplant – an Advisory Committee to the Department of Health)  
Member since 1988  
Chairman since 1998  
Advisory Group Chairmen Member since 1998  
Chairman of NERS (National Eye Retrieval Scheme) since 1999  
OTAG Audit Subcommittee Chairman (subcommittee of OTAG) since 1998  
OTSAG (Ophthalmic Tissue Standards and Audit Group) committee member since 1997
2. Oxford Ophthalmological Congress  
Council member since 1992  
Treasurer since 1996
3. UKISCRS (United Kingdom and Ireland Society of Cataract & Refractive Surgeons)  
Council member since its change from UKIIS  
Secretary since 1996
4. Royal College of Ophthalmologists  
Training Committee member from 1997 - 2002  
Member of Committee for Guidelines for Excimer Laser Photoablative Surgery  
Member of Committee for Cataract Surgery Guidelines  
Member of Committee for Microsurgical Skills Acquisition  
Surgical Trainer for failing consultant 2000-2001
5. Royal College of Surgeons of Edinburgh Specialty Advisory Board in Ophthalmology  
Member since 1999
6. Examinations Liaison Committee of Royal College of Ophthalmologists and Royal College of Surgeons of Edinburgh  
Member of committee since its inception
7. BOAS (British Ophthalmic Anaesthesia Society)  
Committee and founder member

### **International Committee Work**

1. United Kingdom and Ireland Society of Cataract & Refractive Surgeons (UKISCRS)  
Council member since 1994  
Secretary of UKISCRS since 1996
2. Journal of Cataract & Refractive Surgery  
Editorial Board member since October 2001

### **Other Professional Activities**

- Guidelines for Outpatient and Casualty Referral - A Guide for General Practitioners  
El Naggar MHR and Smerdon DL 1996-7  
A booklet for our local General Practitioners
- Casualty Guidelines - a guide for SHOs in eye casualty  
Smerdon DL, Chitkara D, 1989  
A booklet for our local SHOs (under revision currently)
- I am the administrator of a collection of over 4000 fully cross-referenced anterior segment 35mm slides. I take the photographs, mount, label and cross reference them. I am currently converting them to a digital format for use in teaching.

### **Referees**

1.  
Mr B J McNeela  
Consultant Ophthalmologist  
North Riding Infirmary  
Newport Road  
Middlesbrough  
TS1 5JE
2.  
Mr T C Dowd  
North Riding Infirmary  
Newport Road  
Middlesbrough  
TS1 5JE
3.  
Mr J R Clarke  
Consultant Ophthalmologist  
North Riding Infirmary  
Newport Road  
Middlesbrough  
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