

JEREMY PRYDAL MBBS, PhD, FRCOphth, MD



Details

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Current Appointment

Consultant, Department of Ophthalmology, University Hospitals of Leicester
2000 - Present (semi retired since September 2020)

Clinical experience

General Ophthalmology. Specialist in conditions affecting the cornea, eye surface, ocular trauma, corneal transplantation, complex cataract surgery, intra-ocular lens calculations and refractive problems. Semi-retired from September 2020

Medico-legal experience

Over 20 years experience providing medico-legal reports for personal injury and medical negligence cases, having attended a number Bond Solon courses and seminars. Experience acting for both the claimant and defendant (50:50 for negligence), case conferences and joint reports. Currently provide 35-40 reports per year.

Qualifications

MB BS	University of London	1982
PhD	University of Cambridge	1991
FRCOphth	Royal College Ophthalmologists	1993
MD	University of London	1995

National Duties

Chairman	Refractive Surgery Working Party Royal College Ophthalmologists	2002 - 2015
President	MCLOSA (British Ocular Surface Society)	2014 - 2017
Chief Examiner	Laser Refractive Surgery Royal College Ophthalmologists	2007 - 2017
Member	Scientific Committee Royal College Ophthalmologists	2011 - 2017
Chairman	Ocular Transplant Advisory Group NHS Blood and Transplant	2019 - present
Member	NHS Blood and Transplantation Ocular Tissue Audit Sub-committee	2013 - present
Representative	Corneal and ocular surface disease Royal College Ophthalmologists	2011 - present

Awards & grants

Wellcome Trust Research Fellowship	1987 - 1991
Royal College Ophthalmologists Iris Fund	1990
Midland Ophthalmologists Society Prize	1996
John Cairns Memorial Prize	1997
NEXT Award	2008
Innovations Fellowship (East Mid Development Agency)	2011
Science & Technologies Facilities Council	2013
Finalist, Innovations in Healthcare (Academic Health Net.)	2014
Anthony Bron MCLOSA Award	2014 & 2015
Finalist, Innovations in Healthcare (Medipex)	2015

PhD Thesis

Optical studies of the eye surface. University of Cambridge. April 1991.

MD Thesis

Confocal microscopy of dynamic processes in the cornea of conscious humans. University of London. November 1995

Books

Prydal J. (2000) The cornea and external eye. Paediatric Ophthalmology. BMJ Publishing.

Selected Publications

1. Prydal JI. Mucus content of human tear film by optical determination of film thickness. *J. Physiol.* 415: 88 (1989).
2. Prydal JI. Optical determination of tear film thickness in eight species. *J. Physiol.* 426: 113 (1990).
3. Snibson GR, Greaves JL, Soper NJW, Prydal JI, Wilson CG, and Bron AJ. Precorneal residence times of sodium hyaluronate solutions studied by quantitative gamma scintigraphy. *Eye* 4: 594-602 (1990).
4. Prydal JI. Optical studies of the eye surface. Ph.D. thesis. University of Cambridge. April 1991.
5. Prydal JI and Campbell FW. Study of precorneal tear film thickness and structure by interferometry and confocal microscopy. *Invest. Ophthalmol. Vis. Sci.* 33: 1996-2005 (1992).
6. Prydal JI, Artal PA, Woon H, and Campbell FW. Study of human precorneal tear film thickness and structure using laser interferometry. *Invest. Ophthalmol. Vis. Sci.* 33: 2006-2011 (1992).
7. Prydal JI, Kerr Muir MG and Dilly PN. Comparison of tear film thickness in three species determined by the glass fibre method and confocal microscopy. *Eye* 7: 472-475 (1993).
8. Prydal JI and Dilly PN. In-vivo confocal microscopy of the cornea and tear film. *Scanning.* 17: 133-135 (1995).
9. Prydal JI. Confocal microscopy of dynamic processes in the cornea of conscious humans. M.D. thesis. University of London. November 1995.
10. Corbett MC, Prydal JI, Verma S, Oliver KM, Pande M, Marshall J. An in vivo investigation of the structures responsible for corneal haze after PRK, and their effect on visual function. *Ophthalmology.* 103(9): 1366-80 (1996).
11. Prydal JI, Kerr Muir MG, Dilly PN, Marshall, J. Confocal microscopy using oblique sections for measurement of corneal epithelial thickness in conscious humans. *Acta Ophthalmologica.* 75: 624-628 (1998).
12. Prydal JI, Kerr Muir MG, Marshall, J. Confocal microscopy with digital image analysis of the distribution and size of keratocytes in the cornea of conscious human subjects. *J. Physiol.* 90: 506 (1998).
13. Prydal JI, Dilly PN, Franc F, Kerr Muir MG, Corbett MC, Marshall, J. Keratocyte density and size in conscious humans by digital image analysis of confocal images. *Eye* 12(3a) 337-342 (1998).
14. Prydal JI and Dilly PN. Editorial: Advances in confocal microscopy of the cornea. *Eye* 12(3a):331-332 (1998).
15. Prydal JI. Structure and thickness of human tear film. *Invest. Ophthalmol. Vis. Sci.* 30: 470 (1989).
16. Prydal JI and Dilly PN. Measurement of tear film thickness on the surface and under contact lenses. *Invest. Ophth. Vis. Sci.* 34: 1778 (1994).
17. Prydal JI, Dilly PN, Marshall J, Kerr Muir MG. Confocal microscopy with digital image analysis for measurement of keratocyte morphology in conscious humans. *Invest. Ophthalmol. Vis. Sci.* 36: 22 (1995).
18. Corbett MC, Verma S, Prydal JI, Pande M, Oliver K, Marshall J. The contribution of the corneal epithelium to the refractive changes occurring after excimer laser photorefractive keratectomy. *Invest. Ophthalmol. Vis. Sci.* 36: 22. (1995).
19. Prydal JI, Kerr Muir MG, Marshall J, Corbett MC, Dilly N. Regeneration of subepithelial nerves after excimer laser photokeratectomy in humans examined by confocal microscopy. *Invest. Ophthalmol. Vis. Sci.* 37: 59 (1996).
20. Ormonde S, Prydal JI, Kerr Muir MG. Scalp hygiene in the aetiology of blepharitis. *Invest. Ophthalmol. Vis. Sci.* 39: 66 (1998).
21. Prydal JI. The neural structure of the human cornea by in vivo confocal microscopy. *Experimental Eye Research.* 67:S248 (1998)
22. Prydal JI, Kerr Muir MG, Marshall J, and Dilly PN. Orientation and shape of keratocytes in the cornea by confocal microscopy. *Invest. Ophthalmol. Vis. Sci.* 40:620 (1999).
23. Prydal JI, Kennard DW and Dick E. The amplitude of saccadic contingent mislocalization under conditions of varied contrast. *Invest. Ophthalmol. Vis. Sci.* 41(4):46 (2000).
24. Prydal JI, Kennard DW. Relationship between Object and Image Location during Eye Movement. *Invest. Ophthalmol. Vis. Sci.* 4669/B638 (2002).
25. Watts AR, Prydal JI, Tambe K, Jenkins DR. Linezolid, a New Antibiotic for the Treatment of Post-operative Endophthalmitis. *Invest. Ophthalmol. Vis. Sci.* 1451/B347 (2002)
26. Prydal JI. Changes in Roughness of the Ocular Surface with Blinking. *Invest. Ophthalmol. Vis. Sci.* 2467/B306. (2002)
27. Prydal JI, Jenkins DR, Lovering A, Watts A. The pharmacokinetics of linezolid in the non-inflamed human eye. *British Journal of Ophthalmology* 2005; 89; 1418-1419.
28. Prydal JI. Use of autologous lamellar scleral grafts to repair corneal perforations. *British Journal of Ophthalmology.* 2006; 90; 924-925
29. Tatham A, Prydal J. (2008) Progressive lenticular astigmatism in the clear lens. *J. Cataract and Refractive Surgery,* 34(3): 514-516.
30. Turner S, Johnson Z, Corbett, M, Prydal J. (2010) Scleral autoplasty for the repair of corneal perforations: a case series. *Br. J. Ophthalmol.,* 94: 669-670.
31. Tatham A, Tatham E, Prydal J. (2011) Validation of a semi-automated computer-aided technique for quantifying corneal vascularisation and scarring. *Br. J. Ophthalmol.,* 95: 1379-1384.
32. Prydal J, Abbas A. (2011) Toric Add-On Intraocular Lens for the Correction of High Sphero-cylindrical Errors after Penetrating Keratoplasty. Invited article *Eye News.*
33. Rana M, Savant V, Prydal J. (2012) A study of slippage of various knot configurations. *Eye,* 26(11): 1491-1493.
34. Rana M, Savant V, Prydal J. (2013) A new customised iris diaphragm for the treatment of traumatic aniridia. *Contact Lens and Anterior Eye,* 36(2): 93-94.
35. Gandewar J, Savant V, Prydal J, Dua H. (2013) Double drape tectonic patch with cyanoacrylate glue in the management of corneal perforation with iris incarceration. *Cornea,* 32(5); 137-138.
36. Tatham A, Prydal J. (2013) Do non-ionic contrast media temporarily improve corneal transparency? *J. Ophth. Vis. Res.,* 8(4): 400-402.
37. Bannister N, Wakefield M, Tatham A, Bugby S, Molyneux P, Prydal J. (2014) Spectroscopic measurements in scleritis: bluish red or deep red? *Br. J. Ophthalmol. (Innovations).* doi:10.1136/bjophthalmol-2013-304086.
38. Hussain R, Rubenstein M, Savant V, Wakefield M, Prydal J. Complex biometry: A new service development. *Eye News* 2014.
39. Kumar P, Thomas S, Papagianniuli E, Hardman S, Jenkins D, Prydal J. A case of Phoma fungal keratitis in a contact lens user. *Journal of the Royal Society of Medicine.* doi: 10.1177/2054270415577760
40. Molyneux P, Kilvington S, Wakefield M, Prydal J, Bannister N. Autofluorescence Signatures of Seven Pathogens: Preliminary in Vitro Investigations of a Potential Diagnostic for Acanthamoeba Keratitis, *Cornea.* Sep 2015.
41. Wakefield M, Armitage W, Jones M, Kaye S, Larkin F, Prydal J, Tole D. The impact of donor age and endothelial cell density on graft survival following penetrating keratoplasty. *Br. J. Ophthalmic.* Oct 2015.
42. Hopkinson C, Curnow E Larkin D, Prydal J, Tuft S. Graphical comparison of surgeon outcomes for the audit of a national corneal transplant registry (OTAG study 32). *Eye* (2022). <https://doi.org/10.1038/s41433-022-02100-8>.