

## **Professor Tom H Williamson, PUBLICATIONS**

### **TEXT BOOK**

1. Williamson TH, **Vitreoretinal disorders in Primary Care**. 2107 CRC Press, Taylor & Francis Group
2. Williamson TH, Dogramaci M, **Intraocular Surgery - A Basic Surgical Guide**, Springer, ISBN 978-3-319-27988-6, 2016, with e-book.
3. Williamson TH, **Vitreoretinal Surgery**. Springer-Verlag Berlin Heidelberg New York. 2013. ISBN 978-3-642-31871-9. With DVD, and e-book. 2<sup>nd</sup> edition.
4. Williamson TH, **Vitreoretinal Surgery**. Springer-Verlag Berlin Heidelberg New York. 2008, ISBN 978-3-540-37581-4. With DVD and e-book. 1<sup>st</sup> edition.
5. Williamson TH, Kinsella F, Williamson J. **Self Assessment in Ophthalmology** (a book on preparation for the F.R.C.S. and F.R.C.Ophth examinations) Published by P.G. Publishing, 1990. ISBN 997190979 0.

### **BOOK CHAPTERS**

6. Williamson TH, Peeling the posterior hyaloid membrane. **Complications of Vitreoretinal Surgery**, Edited by Lois N, Wong D. 2013. Lippincott.
7. Williamson TH. Vitreoretinal Disorders. Chapter 12. **Atlas of Clinical Ophthalmology**. Edited by Spalton DJ, 2004.Elsevier.
8. Williamson TH Vitreous surgery in uveitis and allied disorders Chapter 11. **Essentials in Ophthalmology** Edited by B. Kirchhof and D Wong 2004. Springer.
9. Williamson, T.H. and Baxter, G.M. Colour Doppler imaging of the eye and orbit. In: **Recent Advances in Ophthalmology 9**, Chapter 11 edited by Kirkness, C.M. and Jay B., 1995.
10. Williamson T.H. and Johnstone R, Retina, part IV. In: **Ocular Structures and Abnormalities: Anatomy, Examination and Treatment**. Edited by Roberson, G. 1999.
11. Gardner GG, Keating D, Williamson TH and Elliot AT. Detection of diabetic retinopathy using neural network analysis of fundal images. **Neural Networks and Expert Systems in Medicine and Health Care** (University of Plymouth) 1996: 28-35.
12. Williamson TH. Sickle cell retinopathy. **Ophthalmopedia**, online resource book. 2009.

### **PAPERS**

13. Damiano Natali Rodolfo Repetto Jennifer H. Tweedy Tom H. Williamson Jan O. Pralits. A simple mathematical model of rhegmatogenous retinal detachment. *Journal of Fluids and Structures* Volume 82, October 2018, Pages 245-257
14. Fajgenbaum MAP, Wong RS, Laidlaw DAH, Williamson TH. Vitreoretinal surgery on the fellow eye: A retrospective analysis of 18 years of surgical data from a tertiary center in England. *Indian J Ophthalmol*. 2018 May;66(5):681-686.
15. Clarke B, Williamson T, Gini G, Gupta B. Management of Bacterial Postoperative Endophthalmitis and the Role of Vitrectomy. *Surv Ophthalmol*. 2018 Feb 14.
16. Fajgenbaum MAP, Neffendorf JE, Wong RS, Laidlaw DAH, Williamson TH. INTRAOPERATIVE AND POSTOPERATIVE COMPLICATIONS IN PHACOVITRECTOMY FOR EPIRETINAL MEMBRANE AND MACULAR HOLE: A Clinical Audit of 1000 Consecutive Eyes. *Retina*. 2018 Jan 10.

17. Neffendorf JE, Gupta B, Williamson TH. THE ROLE OF INTRAOCULAR GAS TAMPONADE IN RHEGMATOGENOUS RETINAL DETACHMENT: A Synthesis of the Literature. *Retina*. 2017 Dec 26.
18. Williamson TH, Guillemaut JY, Hall SK, Hutter JC, Goddard T. THEORETICAL GAS CONCENTRATIONS ACHIEVING 100% FILL OF THE VITREOUS CAVITY IN THE POSTOPERATIVE PERIOD: A Gas Eye Model Study. *Retina*. 2017 Dec 11.
19. Hall, SK, Williamson, TH, Guillemaut, J, Goddard, T, Baumann, AP and Hutter, JC (2017) *Modeling the Dynamics of Tamponade Multicomponent Gases During Retina Reattachment Surgery* AIChE Journal.
20. Sallam AB, Donachie PH, Yorston D, Steel DH, Williamson TH, Jackson TL, Sparrow JM, Johnston RL. ROYAL COLLEGE OF OPHTHALMOLOGISTS' NATIONAL DATABASE STUDY OF VITREORETINAL SURGERY: Report 7, Intersurgeon Variations in Primary Rhegmatogenous Retinal Detachment Failure. *Retina*. 2018 Feb;38(2):334-342.
21. Kontos A, Williamson TH. Rate and risk factors for the conversion of fovea-on to fovea-off rhegmatogenous retinal detachment while awaiting surgery. *Br J Ophthalmol*. 2017 Aug;101(8):1011-1015.
22. Gupta B, Neffendorf JE, Wong R, Laidlaw DA, Williamson TH. Ethnic variation in vitreoretinal surgery: differences in clinical presentation and outcome. *Eur J Ophthalmol*. 2017 May 11;27(3):367-371.
23. Neffendorf JE, Gupta B, Williamson TH. Intraoperative complications of patients undergoing small-gauge and 20-gauge vitrectomy: a database study of 4,274 procedures. *Eur J Ophthalmol*. 2016 Sep 9
24. Kontos A, Tee J, Stuart A, Shalchi Z, Williamson TH. Duration of intraocular gases following vitreoretinal surgery. *Graefes Arch Clin Exp Ophthalmol*. 2016 Jul 26.
25. Gupta B, Neffendorf JE, Williamson TH. Trends and emerging patterns of practice in vitreoretinal surgery. *Acta Ophthalmol*. 2016 May 23.
26. Elhousseini Z, Lee E, Williamson TH. *Retina*. INCIDENCE OF LENS TOUCH DURING PARS PLANA VITRECTOMY AND OUTCOMES FROM SUBSEQUENT CATARACT SURGERY. *Retina* 2016 Apr;36(4):825-9.
27. Saidkasimova S, Shalchi Z, Mahroo OA, Shunmugam M, Laidlaw DA, Williamson TH, Howard J, Mohamed MD. Risk factors for visual impairment in patients with sickle cell disease in London. *Eur J Ophthalmol*. 2016 Feb 29
28. Rodrigues IA, Lee EJ, Williamson TH. MEASUREMENT OF RETINAL DISPLACEMENT AND METAMORPHOPSIA AFTER EPIRETINAL MEMBRANE OR MACULAR HOLE SURGERY. *Retina*. 2016 Apr;36(4):695-702.
29. Wong R, De Luca M, Shunmugam M, Williamson T, Laidlaw A, Vaccaro V. Visual outcome after removal of silicone oil in patients undergoing retinectomy for complex retinal detachment. *Int J Ophthalmol*. 2016 Jan 18;9(1):108-10.
30. Jackson TL, Johnston RL, Donachie PH, Williamson TH, Sparrow JM, Steel DH. The Royal College of Ophthalmologists' National Ophthalmology Database Study of Vitreoretinal Surgery: Report 6, Diabetic Vitrectomy. *JAMA Ophthalmol*. 2015 Nov 19:1-7.
31. Sivaprasad S(1), Amoaku WM(2), Hykin P(1); RVO Guideline Group. Collaborators: Sivaprasad S, Amoaku W, Williamson T, Dodson P, Talks J, Talks K, Bhan K, Hykin P. *Eye (Lond)*. 2015 29, 1633-1638 The Royal College Of Ophthalmologists Guidelines on retinal vein occlusions: executive summary.

32. Stuart AJ, Kontos A, Williamson TH (2015) Managing Cases of Dislocated Intraocular Lenses; a Retrospective Review of Cases over a 13 Year Period. *Adv Ophthalmol Vis Syst* 3(2):
33. Mahroo OA, Mitry D, Williamson TH, Shepherd A, Charteris DG, Hamilton RD. Exploring Sex and Laterality Imbalances in Patients Undergoing Laser Retinopexy. *JAMA Ophthalmol.* 2015 Aug 20.
34. Steel DH, Williamson TH, Laidlaw DA, Sharma P, Matthews C, Rees J, Petrou P, Charteris DG, Charles SJ, Patel CK, Crama N, Herbert E, Jackson TL. EXTENT AND LOCATION OF INTRARETINAL AND SUBRETINAL FLUID AS PROGNOSTIC FACTORS FOR THE OUTCOME OF PATIENTS WITH OPTIC DISK PIT MACULOPATHY. *Retina.* 2015 Jul 10.
35. Sallam AA, Donachie PH, Williamson TH, Sparrow JM, Johnston RL The Royal College of Ophthalmologists' National Ophthalmology Database Study of vitreoretinal surgery: report 5, anaesthetic techniques.. *Br J Ophthalmol.* 2015 Jul 3.
36. Jackson TL, Donachie PH, Williamson TH, Sparrow JM, Johnston RL. THE ROYAL COLLEGE OF OPHTHALMOLOGISTS' NATIONAL OPHTHALMOLOGY DATABASE STUDY OF VITREORETINAL SURGERY: Report 4, Epiretinal Membrane. *Retina.* 2015 Mar 31.
37. Shalchi Z(1), Mahroo OA, Shunmugam M, Mohamed M, Sullivan PM, Williamson TH. SPECTRAL DOMAIN OPTICAL COHERENCE TOMOGRAPHY FINDINGS IN LONG-TERM SILICONE OIL-RELATED VISUAL LOSS. *Retina.* 2015 March 35(3);555-63.
38. Roshan A Welikala, Vikas Tah, Tom H Williamson, Andreas Hoppe, Jamshid Dehmeshki, Sarah A Barman Differing Matched Filter Responsivity for the Detection of Proliferative Diabetic Retinopathy 2013 Proceedings of the IASTED International Conference on Signal Processing, Pattern Recognition and Applications, 356-364
39. R.A. Welikala, M.M. Fraz, J. Dehmeshki, A. Hoppe, V. Tah, S. Mann, T.H. Williamson, S.A. Barman, Genetic Algorithm Based Feature Selection Combined with Dual Classification for the Automated Detection of Proliferative Diabetic Retinopathy, *Computerized Medical Imaging and Graphics*, 2015 Mar 20;43:64-77
40. RA Welikala, MM Fraz, TH Williamson, SA Barman The automated detection of proliferative diabetic retinopathy using dual ensemble classification 2015/6/17 *International Journal of Diagnostic Imaging* 2;2 p72
41. Qiang Kwong T, Shunmugam M, Williamson TH. Characteristics of rhegmatogenous retinal detachments secondary to retinal dialyses. *Can J Ophthalmol.* 2014 Apr;49(2):196-9. doi: 10.1016/j.jcjo.2013.12.013. PubMed PMID: 24767228.
42. Cattleya Duanggate, Bunyarit Uyyanonvara, Stanislav S. Makhanov, Sarah Barman, Tom Williamson, Object detection with feature stability over scale space, *Journal of Visual Communication and Image Representation*, Volume 22, Issue 4, May 2011, Pages 345-352,
43. Cattleya Duanggate, Bunyarit Uyyanonvara, Stanislav S. Makhanov, Sarah Barman, Tom Williamson, Parameter-free optic disc detection, *Computerized Medical Imaging and Graphics*, Volume 35, Issue 1, January 2011, Pages 51-63, ISSN 0895-6111
44. Lee E, El Housseini Z, Steel DH, Williamson TH. An analysis of the outcomes for patients with failed primary vitrectomy for rhegmatogenous retinal detachment. *Graefes Arch Clin Exp Ophthalmol.* 2014 Mar 26.
45. Williamson TH, Lee EJ, Shunmugam M. Characteristics of rhegmatogenous retinal detachment and their relationship to success rates of surgery. *Retina.* 2014 Jul;34(7):1421-7.
46. Welikala RA, Dehmeshki J, Hoppe A, Tah V, Mann S, Williamson TH, Barman SA. Automated detection of proliferative diabetic retinopathy using a modified line operator and

dual classification. *Comput Methods Programs Biomed.* 2014 Feb 28.

47. Ugarte M, Shunmugam M, Laidlaw DA, Williamson TH. Morphision: a method for subjective evaluation of metamorphopsia in patients with unilateral macular pathology (i.e., full thickness macular hole and epiretinal membrane). *Indian J Ophthalmol.* 2013 Nov;61(11):653-8.
48. Williamson TH, Lee E. Idiopathic macular hole: analysis of visual outcomes and the use of indocyanine green or brilliant blue for internal limiting membrane peel. *Graefes Arch Clin Exp Ophthalmol.* 2013 Oct 22.
49. Dawson SR, Shunmugam M, Williamson TH. Visual acuity outcomes following surgery for idiopathic epiretinal membrane: an analysis of data from 2001 to 2011. *Eye (Lond).* 2013 Dec 6.
50. Mahroo OA, Dybowski R, Wong R, Williamson TH. Characteristics of rhegmatogenous retinal detachment in pseudophakic and phakic eyes. *Eye (Lond).* 2012 Aug;26(8):1114-21.]
51. Manoharan Shunmugam, Shah AN, Hysi PG, Williamson TH. The Pattern and Distribution of Retinal Breaks in Eyes With Rhegmatogenous Retinal Detachment. *Am J Ophthalmol.* 2013 Nov 4.
52. Chandra A, Xing W, Kadhim MR, Williamson TH. Suprachoroidal Hemorrhage in Pars Plana Vitrectomy: Risk Factors and Outcomes Over 10 Years. *Ophthalmology.* 2013 Jul 18.
53. Lee E, Williamson TH, Hysi P, Shunmugam M, Dogramaci M, Wong R, Laidlaw DA. Macular displacement following rhegmatogenous retinal detachment repair. *Br J Ophthalmol.* 2013 Jul 18.
54. Roger Wong, Bhaskar Gupta, Bataung Mokete, Thomas H Williamson, D Alistair H Laidlaw Idiopathic Bilateral Retinal Dialyses Complicated By Posterior Retinal Tear After Blunt Trauma Retinal Cases & Brief Reports 12/2010; 5(2):153-156.
55. Casswell, Edward J.; Shunmugam, Manoharan; Spalton, David J.; Williamson, Tom H. Spectral Domain Optical Coherence Tomography Demonstrates Interconnected Orbital Cyst and Chorioretinal Coloboma in An Adult .*Retinal Cases & Brief Reports* 7/2013, 310-312.
56. Dogramaci M, Williamson TH. Dynamics of epiretinal membrane removal off the retinal surface: a computer simulation project. *Br J Ophthalmol.* 2013 Jul 11.
57. Williamson TH, Shunmugam M, Rodrigues I, Dogramaci M, Lee E. Characteristics of rhegmatogenous retinal detachment and their relationship to visual outcome. *Eye (Lond).* 2013 Jun 21.
58. Chandra A, Williamson T. Hemorrhage with anticoagulants and antiplatelets in vitreoretinal surgery. *Am J Ophthalmol.* 2012 Jan;153(1):185-6.
59. Mahroo OA, Hammond CJ, Williamson TH. Choice of analytic approach for eye-specific outcomes: one eye or two? *Am J Ophthalmol.* 2012 Apr;153(4):781-2; author reply 782. PubMed PMID: 22445638.
60. Dogramaci M, Lee EJ, Williamson TH. The incidence and the risk factors for iatrogenic retinal breaks during pars plana vitrectomy. *Eye (Lond).* 2012 Feb 17
61. Gupta B, Wong R, Sivaprasad S, Williamson TH. Surgical and visual outcome following 20-gauge vitrectomy in proliferative diabetic retinopathy over a 10-year period, evidence for change in practice. *Eye (Lond).* 2012 Apr;26(4):576-82.
62. Gupta B, Sivaprasad S, Wong R, Laidlaw A, Jackson TL, McHugh D, Williamson TH. Visual and anatomical outcomes following vitrectomy for complications of diabetic retinopathy: The DRIVE UK Study. *Eye (Lond).* 2012 Apr;26(4):510-6. 10:0.
63. Williams KM, Dogramaci M, Williamson TH. Retrospective study of rhegmatogenous retinal detachments secondary to round retinal holes. *Eur J Ophthalmol.* 2011 Nov 10:0.

64. Lee EJ, Dogramaci M, Williamson TH. Does unintentional macular translocation after retinal detachment repair influence visual outcome? Comment. *Clin Experiment Ophthalmol*. 2011 Oct 17.
65. Lee E, Dogramaci M, Williamson T. Displacement of the retina. *Ophthalmology*. 2012 Jan;119(1):206-206.e1.
66. Williamson TH, Gupta B. Planned delayed relaxing retinotomy for proliferative vitreoretinopathy. *Ophthalmic Surg Lasers Imaging*. 2010 Jan-Feb;41(1):31-4.
67. Chandra A, Jazayeri F, Williamson TH. Warfarin in vitreoretinal surgery: a case controlled series. *Br J Ophthalmol*. 2010 Nov 11.
68. Ugarte M, Williamson TH. "Metamorphopsia" assessment. *Invest Ophthalmol Vis Sci*. 2010 Dec;51(12):6894-5
69. Williams KM, Watt L, Williamson TH. Acute symptomatic posterior vitreous detachment and delayed retinal breaks. *Acta Ophthalmol*. 2011 Feb;89(1)
70. Cattleya Duanggate; Bunyarit Uyyanonvara, Stanislav S Makhanov, Sarah Barman, Tom H Williamson, Object Detection with Feature Stability over Scale Space, *Journal of Visual Communication and Image Representation*, 2011
71. Wong R, Pavesio CE, Laidlaw DA, Williamson TH, Graham EM, Stanford MR. Acute Retinal Necrosis The Effects of Intravitreal Foscarnet and Virus Type on Outcome. *Ophthalmology*. 2009 Dec 21.
72. Wong R, Gupta B, Williamson TH, Laidlaw DA. Day 1 postoperative intraocular pressure spike in vitreoretinal surgery (VDOP1). *Acta Ophthalmol*. 2009 Oct 23.
73. Goodfellow J, Mokete B, Williamson TH. Discriminate characteristics of photopsia in posterior vitreous detachment, retinal tears and retinal detachment. *Ophthalmic Physiol Opt*. 2009 Aug 26.
74. Williamson TH, Grewal J, Gupta B, Mokete B, Lim M, Fry CH. Measurement of PO(2) during vitrectomy for central retinal vein occlusion, a pilot study. *Graefes Arch Clin Exp Ophthalmol*. 2009 aug 247(8): 1019-23.
75. Osuobeni EP, Okpala I, Williamson TH, Thomas P. Height, weight, body mass index and ocular biometry in patients with sickle cell disease. *Ophthalmic Physiol Opt*. 2009 Mar;29(2):189-98.
76. Williamson TH, Laidlaw DA, Doyle E. Aggregations of retinal pigment epithelial cells on inferior retinal blood vessels, a clinical sign of early proliferative vitreoretinopathy. *Clin Experiment Ophthalmol*. 2008 Nov;36(8):744-7.
77. Gupta B, Grewal J, Adewoyin T, Pelosini L, Williamson TH. Diurnal variation of macular oedema in CRVO: prospective study. *Graefes Arch Clin Exp Ophthalmol*. 2009 May;247(5):593-6. Epub 2008 Dec 4.
78. Sopharak A, Uyyanonvara B, Barman S, Williamson TH. Automatic detection of diabetic retinopathy exudates from non-dilated retinal images using mathematical morphology methods. *Comput Med Imaging Graph*. 2008 Dec;32(8):720-7. Epub 2008 Oct 18.
79. Williamson TH, Rajput R, Laidlaw DA, Mokete B. Vitreoretinal management of the complications of sickle cell retinopathy by observation or pars plana vitrectomy. *Eye*. 2009 Jun;23(6):1314-20. Epub 2008 Oct 3.

80. Gupta B, Mokete B, Laidlaw DA, Williamson TH. Severe folding of the inferior retina after relaxing retinectomy for proliferative vitreoretinopathy. *Eye*. 2008 Dec;22(12):1517-9. Epub 2008 Aug 1.
81. Williamson TH, Watt L, Mokete B. Black or negative flashes in posterior vitreous detachment a transient symptom before lightning flashes commence. *Eye*. 2009 Jun;23(6):1477. Epub 2008 Jul 4.
82. Jackson TL, Hussain A, Morley AM, Sullivan PM, Hodgetts A, El-Osta A, Hillenkamp J, Charles SJ, Sheard R, Williamson TH, Kumar A, Laidlaw DA, Woon WH, Costen MJ, Luff AJ, Marshall J. Scleral hydraulic conductivity and macromolecular diffusion in patients with uveal effusion syndrome. *Invest Ophthalmol Vis Sci*. 2008 Nov;49(11):5033-40. Epub 2008 Jun 14.
83. Mokete B, Williamson TH. Scleral buckling combined with vitrectomy for the management of rhegmatogenous retinal detachment associated with inferior retinal breaks. *Eye*. 2009 May;23(5):1233; author reply 1233-4.
84. Ugarte M, Williamson TH. Intravitreal steroids: from mechanisms to clinical practice. *CML ophthalmology*. 2007.
85. M Ugarte, TH Williamson. Autofluorescence and retinal pigment epithelial atrophy after subretinal hemorrhage *Retina* 01/2006; 26(1):121-121.
86. Williamson TH. A "throttle" mechanism in the central retinal vein in the region of the lamina cribrosa. *Br J Ophthalmol*. 2006 Sep 27; [Epub ahead of print]
87. Herbert EN, Mokete B, Williamson TH, Laidlaw DA. Haemorrhagic vitreoretinal complications associated with combined antiplatelet agents. *Br J Ophthalmol*. 2006 Sep;90(9):1209-1210
88. Herbert EN, Williamson TH. Combined removal of silicone oil plus internal search (ROSO-plus) following retinal detachment surgery. *Eye*. 2006 Apr 7;
89. Doyle E, Herbert EN, Bunce C, Williamson TH, Laidlaw DA. How effective is macula-off retinal detachment surgery. Might good outcome be predicted? *Eye*. 2006 Feb
90. Ugarte M, Williamson TH. Horizontal and vertical micropsia following macula-off rhegmatogenous retinal-detachment surgical repair. *Graefes Arch Clin Exp Ophthalmol*. 2006 Mar 17; [Epub ahead of print]
91. Ugarte M, Williamson TH. Retinal pigment epithelium (RPE) pigmentation and thickening in the central macula after macular edema resolution in central retinal vein occlusion (CRVO). *Retina*. 2006 Jan;26(1):121; author reply 121-2..
92. Grigoropoulos VG, Williamson TH, Kirkby GR, Laidlaw DA. Outcomes of surgery for progressive symptomatic retinal detachment complicating retinoschisis. *Retina*. 2006 Jan;26(1):37-43.
93. Kuppermann BD, Thomas EL, de Smet MD, Grillone LR; Vitrase for Vitreous Hemorrhage Study Groups (TH Williamson Member of the Vitrease Study Group) Safety results of two phase III trials of an intravitreal injection of highly purified ovine hyaluronidase (Vitrax) for the management of vitreous hemorrhage. *Am J Ophthalmol*. 2005 Oct;140(4):585-97.
94. Kuppermann BD, Thomas EL, de Smet MD, Grillone LR; Vitrase for Vitreous Hemorrhage Study Groups (TH Williamson Member of the Vitrease Study Group). Pooled efficacy results from two multinational randomized controlled clinical trials of a single intravitreal injection of highly purified ovine hyaluronidase (Vitrax) for the management of vitreous hemorrhage. *Am J Ophthalmol*. 2005 Oct;140(4):573-84. Epub 2005 Aug 26.
95. Herbert EN, Liew SH, Williamson TH. Visual loss after silicone oil removal. *Br J Ophthalmol*. 2005 Dec;89(12):1667-8.

96. Ugarte M, Williamson TH. Aniseikonia associated with epiretinal membranes. *Br J Ophthalmol*. 2005 Dec;89(12):1576-80.
97. Angunawela RI, Heatley CJ, Williamson TH, Spalton DJ, Graham EM, Antcliff RJ, Stanford MR. Intravitreal triamcinalone acetate for refractory uveitic cystoid macular oedema: longterm management and outcome. *Acta Ophthalmol Scand*. 2005 Oct;83(5):595-9.
98. Herbert EN, Williamson TH, Laidlaw DA. Management of rhegmatogenous retinal detachment in pregnancy. *Clin Experiment Ophthalmol*. 2005 Oct;33(5):554-5.
99. Herbert EN, Laidlaw DA, Williamson TH, Habib M, Steel D. Loss of vision once silicone oil has been removed. *Retina*. 2005 Sep;25(6):808-9; author reply 809.
100. Williamson TH, O'Donnell A. Intravitreal triamcinolone acetate for cystoid macular edema in nonischemic central retinal vein occlusion. *Am J Ophthalmol*. 2005 May;139(5):860-6.
101. Herbert EN, Habib M, Steel D, Williamson TH. Central scotoma associated with intraocular silicone oil tamponade develops before oil removal. *Graefes Arch Clin Exp Ophthalmol*. 2005 Jul 27;:1-5 [Epub ahead of print]
102. Chauhan DS, Antcliff RJ, Rai PA, Williamson TH, Marshall J. Papillo-foveal traction in macular hole formation: The role of optical coherence tomography. *Arch Ophthalmol*, 2000;118:32-38.
103. Tanner V, Harle D, Tan J, Foote B, Williamson TH, Chignell AH. Acute posterior vitreous detachment – the predictive value of vitreous pigment and symptomatology. *Br J Ophthalmol*. 2000 84 1264-1268.
104. Sinthanayothin C, Boyce JF, Cook HL, Williamson TH. Automated detection of the optic disc, fovea and blood vessels from diabetic fundal images. *Br J Ophthalmol* 1999;83:902-910.
105. Williamson TH. Central Retinal vein occlusion: What's the story? *Perspective Br J Ophthalmol* 1997; 81:698-704.
106. Williamson, T.H. and Harris, J.A, Major Review. Color Doppler imaging of the eye and orbit. *Survey of Ophthalmology* 1996;40:255-267.
107. Minihan M, Tanner V, Williamson TH. Primary rhegmatogenous retinal detachment: 20 years of change. *Br J Ophthalmol* 2001; 85:546-548.
108. Antcliff RJ, Mayer EJ, Williamson TH, Shilling JS. Early chorioretinal anastomosis in non-ischaemic CRVO: a randomised trial. *Br J Ophthalmol*. 2005 Jun;89(6):780-1.
109. Sharma A, Grigoropoulos V, Williamson TH. Management of primary rhegmatogenous retinal detachment with inferior breaks. *Br J Ophthalmol*. 2004 Nov;88(11):1372-1375.
110. Jaycock PD, Bunce C, Xing W, Thomas D, Poon W, Gazzard G, Williamson TH, Laidlaw DA. Outcomes of macular hole surgery: implications for surgical management and clinical governance. *Eye*. 2005 Aug;19(8):879-84.
111. Sivagnanavel V, Ortiz-Hurtado A, Williamson TH. Diode laser trans-scleral cyclophotocoagulation in the management of glaucoma in patients with long-term intravitreal silicone oil. *Eye*. 2004 Jul 23
112. Jaycock PD, Poon W, Wigley F, Williamson J, Williamson TH. Three cases of intraocular foreign bodies as a result of walking or running along roadways. *Am J Ophthalmol*. 2004 Mar;137(3):585-6.

113. Balaggan KS, Dong B, Tanner V, Poon WK, Williamson TH. Unsutured posterior chamber lens implantation in eyes requiring lens extraction at the time of pars plana vitrectomy with silicone oil tamponade. *J Cataract Refract Surg.* 2004 Jan;30(1):161-7.
114. Usher D, Dumskyj M, Himaga M, Williamson TH, Nussey S, Boyce J. Automated detection of diabetic retinopathy in digital retinal images: a tool for diabetic retinopathy screening. *Diabet Med.* 2004 Jan; 21(1): 84-90.
115. Williamson TH, Poon W, Whitefield L, Strothoudis N, Jaycock P. A pilot study of pars plana vitrectomy, intraocular gas, and radial neurotomy in ischaemic central retinal vein occlusion. *Br J Ophthalmol.* 2003 Sep;87(9):1126-9.
116. Jackson TL, Hillenkamp J, Williamson TH, Clarke KW, Almubarak AI, Marshall J. An experimental model of rhegmatogenous retinal detachment: surgical results and glial cell response. *Invest Ophthalmol Vis Sci.* 2003 Sep;44(9):4026-34.
117. Niro Narendran TH, Williamson TH. The effects of aspirin and warfarin therapy on haemorrhage in vitreoretinal surgery. *Acta Ophthalmologica Scand* 2003 Feb 81 (1) 38-40.
118. Sabate-Cequier A, Dumsky M, Usher D, Himaga M, Williamson TH, Boyce J, Nussey S. Accurate registration of paired macular and digital retinal images: a potential aid to diabetic retinopathy screening. *Proceedings of MIUA (Medical Imaging Understanding Analysis) 2002.*
119. Sabate-Cequier A, Boyce J, Dumsky M, Himaga M, Usher D, Williamson TH, Nussey S. Automatic Registration of retinal images. *Proceedings of MIUA (Medical Imaging Understanding Analysis) 2002.*
120. Sinthanayothin C, Boyce JF, Williamson TH, Cook HL, Mensah E, Lal S, Usher D, . Automated detection of diabetic retinopathy using digital fundus images. *Diabetic Medicine.* 2002;19(2):105-12.
121. Tanner V, Minihan M, Williamson TH. Management of inferior retinal breaks during pars plana vitrectomy for retinal detachment. *Br J Ophthalmol.* 2001 Apr;85(4):480-2.
122. Jackson TL, Thiagarajan M, Murthy R, Snead MP, Wong D, Williamson TH. Pupil block glaucoma in phakic and pseudophakic patients after vitrectomy with silicone oil injection. *Am J Ophthalmol* 2001;132:414-416.
123. Tanner V, Chauvin DS, Jackson TL, Williamson TH. Optical coherence tomography of the vitreoretinal interface in macular hole formation. *Br J Ophthalmol* 2001 85:1092-1097.
124. Jackson TL, Tanner V, Williamson TH. Combined phako-emulsification cataract extraction and pars plana vitrectomy without intraocular lens implantation. *Ophthalmologica,* 2001;215:271-275.
125. Gardner GG, Keating D, Williamson TH, Elliot AT. Automatic detection of diabetic retinopathy using an artificial neural network: A screening tool. *Br J Ophthalmol,* 1996;80:940-944. (comment in *Br J Ophthalmol* 1996;80:937-938)
126. Tanner V, Williamson TH, Watzke Allen. Slit beam testing of macular holes confirmed by optical coherence tomography. *Arch Ophthalmol.* 2000 118:1059-1063.
127. Newsom RSB, Sinthanayothin C, Boyce JF, Casswell AG, Williamson TH. Clinical evaluation of 'local contrast enhancement' for oral fluorescein angiograms. *Eye.* 14:318-323, 2000.
128. Gaunt C, Saunders MD, Williamson TH. Morphological examination of the optic nerve head circulation. *Graefes Archives of Clin Exp Ophthalmol* 1999;37:642-647.



129. Williamson TH and Keating D. Telemedicine and computers in diabetic retinopathy screening. *Commentary Br J Ophthalmol* 1998 82:5-7.
130. Bowman RJ, Williamson TH, Andrews RG, Aitchison JC, Dutton GN. An inner city preschool visual screening programme, long term results. *Br J Ophthalmol* 82(5):543-8 1998.
131. Keating D, Parks S, Evans AL, Williamson TH, Elliot AT, Jay JL. Effects of filter band width on the multifocal Electroretinogram *Doc Ophthalmologica* 92 (4): 291-300, 1996-97.
132. Keating D, Parks S, Evans AL, Williamson TH, Elliot AT, Jay JL. Comparison of repeatability of the multifocal Electroretinogram and Humphrey perimeter. *Doc Ophthalmologica* 92 (4): 281-9, 1996-97.
133. Limb GA, Miller K, Chignell AH, Williamson TH, Dumonde DC. Metalloproteinases and TIMP-1 in proliferative vitreoretinopathy. *Biochemical Society Transactions* 25 (2), 234-5 1997.
134. The response topography of ERG b-wave amplitude densities with eccentricity using the m-sequence-stimulation-technique. S. Parks, D. Keating, T.H. Williamson, A.L. Evans, A.T. Elliott, J.L. *Jay Vision Research* 01/1995; 35
135. Williamson TH, Keating D, Bradnam M, Electroretinography of central retinal vein occlusion under photopic and scotopic conditions: What to measure? *Acta Ophthalmologica* 1997:75, 8696.
136. Williamson TH, Rumley A, Lowe GDO. Blood viscosity, coagulation and activated protein C resistance in central retinal vein occlusion: A population controlled study. *Br J Ophthalmol*. 1996 80:203-208. (comment in *Br J Ophthalmol* 1996 80: 194).
137. Parks S, Keating D, Williamson TH, Evans AL, Elliot AT, Jay JL. Functional imaging of the retina using the multifocal electroretinogram: A control study. *Br J Ophthalmol*. 1996;80:831-834.
138. Baxter GM, Williamson TH. The value of serial Doppler imaging in central retinal vein occlusion: Correlation with visual recovery. *Clin Radiology* 1996, 56:411-4.
139. F Ganchi, Williamson TH, Baxter GM. Color Doppler imaging of the orbit in cranial arteritis: Serial examinations and comparison with nonarteritic disease. *Eye* 1996 10:459-464.
140. Williamson TH, Andrews R, Murray G, Dutton GN. Assessment of an inner city pre- school visual screening programme. *Br J Ophthalmol*, 1995 79:1068-1073.(comment in *Br J Ophthalmol*, 1995; 79)
141. Williamson, T.H., Baxter, G.M. and Lowe, G.D.O. The influence of age, systemic blood pressure, smoking and blood viscosity on orbital blood velocities. *Br J Ophthalmol* 1995;79:17-22.
142. Williamson, T.H., Baxter, G.M., Pyott, A., Wykes, W. and Dutton, G.N. A comparison of colour Doppler with other methods of blood flow measurement. *Graefe's Arch. Clin. Exper. Ophthalmol*. 1995;233:80-84. (Abstracted for *Ophthalmology Digest*).
143. Baxter, G.M. and Williamson, T.H. Color Doppler imaging of the eye: normal ranges, reproducibility and observer variation. *J Ultrasound.Med*. 1995;14:91-96.
144. Harris, A., Williamson, T.H., Shoemaker, J.A., Sergott, R.C., Katz, J.L. and Lieb, W.E.. Test retest reproducibility of color Doppler imaging assessment of blood flow velocity in orbital vessels. *Glaucoma* 1995;4:281-6.

145. Ramsay A, Williamson TH, Parkes S, Keating DS. Relative afferent pupillary measurement using cross polarised filters, reproducibility, comparison with neutral density filters and use in central retinal vein occlusion. *Eye* 1995;9:625-628.
146. Williamson, T.H. and Baxter, G.M. Central retinal vein occlusion, an investigation by color Doppler imaging: Blood velocity characteristics and prediction of iris neovascularisation. *Ophthalmology*. 1994;101:1362-1372.
147. Williamson, T.H. and Harris, J.A. (Perspective) Ocular blood flow measurement. *Br J Ophthalmol* 1994;78:939-945.
148. Williamson, T.H. and Baxter, G.M. Orbital colour Doppler imaging a warning about posterior ciliary arteries and in defence of the central retinal vein. *Eye* 1994;8:147-148.
149. Williamson TH, (Editorial) What's the use of ocular blood flow measurement? *Br J Ophthalmol* 1994;78:326.
150. Baxter G.M, Williamson TH (Editorial) Colour flow imaging of the orbit -concept or diagnostic tool. *Clin Radiology* 1994;49:845-846.
151. Williamson, T.H., Baxter, G.M. and Dutton, G.N. Color Doppler velocimetry of the optic nerve head in arterial occlusion. *Ophthalmology*. 1993;100:312-317.
152. Williamson, T.H., Baxter, G.M. and Dutton, G.N. Color Doppler velocimetry of the arterial vasculature of the optic nerve head and orbit. *Eye* 1993;7:74-79.
153. Taylor, A.W., Sehu, W., Williamson, T.H. and Lee, W.R.. Morphometric assessment of the central retinal artery and vein in the optic nerve. *Can.J.Ophthalmol* 1993;28:320-324.
154. Baxter, G.M. and Williamson, T.H. Color Doppler flow imaging in central retinal vein occlusion: A new diagnostic technique? *Radiology* 1993;187:847-850.
155. Baxter, G.M., Williamson, T.H., McKillop, G. and Dutton, G.N. Color Doppler ultrasound of orbital and optic nerve blood flow: Effects of posture and timolol 0.5%. *Invest Ophthalmol Vis Sci* 1992;33:604-610.
156. Williamson, T.H., Strong, N.P., Sparrow, J., Aggarwal, R.K. and Harrad, R.. Contrast sensitivity and glare in cataract using the Pelli-Robson chart. *Br J Ophthalmol* 1992;76:719-722.
157. Williamson T.H., Bacon A., Flanagan D.W., Jakeman C.M., Jordan K.. Combined extracapsular cataract extraction and trabeculectomy using a separated corneal section. *Eye*, 1989;3:547-552.
158. Williamson T.H., George N., Blamires T., Flanagan D.W.. Visual field loss in diabetics with panretinal photocoagulation with reference to D.V.L.C. recommendations. *Vision and Vehicles*, 1989:3.
159. Williamson T.H., Smith F.W., Forrester J.V.. Magnetic resonance imaging of intra-ocular foreign bodies. *Br J Ophthalmol*, 1989;73:555-558.
160. Kadom A.H.M., Forrester J.V., Williamson T.H.. Comparison of the anti-inflammatory activity and effect on intraocular pressure of fluomethalone, clobutysone butyrate and betamethasone eye drops. *Ophthalmic Physiological Optics (U.M.I.S.T.)*, 1989;6:313-316.
161. Lewis K, Herbert EN, Williamson TH. Severe ocular involvement in disseminated intravascular coagulation complicating meningococcaemia. *Graefes Arch Clin Exp Ophthalmol*. 2005 Apr 19;

162. Herbert EN, Laidlaw DA, Williamson TH, Habib M, Steel D. Loss of vision once silicone oil has been removed. *Retina*. 2005 Sep;25(6):808-9.
163. Angunawela RI, Williamson TH, Khan MA, Chong V. Choroidal translocation with a pedicle following excision of a type 1 choroidal neovascular membrane. *Br J Ophthalmol*. 2005 Mar;89(3):386.
164. M Chak, TH Williamson. Spontaneous choroidal haemorrhage in a myopic patient. *Eye*. 2003 17:525-7.
165. Ismail R, Tanner V, Williamson TH. Optical coherence tomography imaging of severe commotio retinae and associated macular hole. *Br J Ophthalmol*. 2002 Apr;86(4):473-4.
166. Newsom RSB, Williamson TH. Globe perforation with frame less spectacles. *Br J Ophthalmol*. 2000 84:668.
167. Minihan M, Williamson TH, Ocular explosion from periocular anesthetic injections. *Ophthalmology* 2000 107:1965.
168. Jackson TL, Williamson TH. Amikacin retinal toxicity (letter). *Br J Ophthalmol* 1999;83(10):1199-1200.
169. Williamson, T.H., Barr, D. and Baxter, G.M. An understanding of the retinal circulation provided by an anomalous retinal vein. *Br J Ophthalmol* 1994;78:798-9.
170. Konstas T, Williamson TH, Exfoliation syndrome in a patient with broad iridectomy and keratoconus. *Acta Ophthalmologica* 1993;71:850-2.
171. Williamson, T.H., Baxter, G., Paul, R. and Dutton, G.N. Colour Doppler ultrasound in the management of a case of cranial arteritis. *Br J Ophthalmol* 1992;76:690-691.
172. Williamson T.H., Meyer P.. Branch retinal artery obstruction in toxoplasma retinochoiroiditis. *Br J Ophthalmol*, 1991;75:253.
173. Williamson, T.H., Garner, A. and Moore, A.T. Structure of Lisch nodules in neurofibromatosis type 1. *Ophthalmic Paediatr.Genet*. 1991; 12:11-17.
174. K Ballagan, Williamson TH, Poon W. Preservation of anterior capsule during vitrectomy and lensectomy for retinal detachment with proliferative vitreoretinopathy *Ophthalmology* 2003 110:1268.
175. Balaggan KS, Poon WK, Williamson TH. Preservation of anterior capsule. *Ophthalmology*. 2003 Apr;110(4):631; author reply 631-2. Corrected and republished in: *Ophthalmology*. 2003 Jun;110(6):1268; author reply 1268-9.
176. Jackson T, Tanner V, Williamson TH. Modified sutureless sclerotomies in pars plana vitrectomy. *Am J Ophthalmol*. 2000:129, 50.
177. Williamson TH, Dutton GN, Murray G, Andrews R. Visual screening programme for preschool children. *Br J Ophthalmol*, 1996; 80:678.
178. Williamson TH, Rumley A, Lowe GDO. Activated protein C resistance in central retinal vein occlusion. *Br J Ophthalmol*. 1996; 80:1116.

#### **Non Indexed**

179. A Berarducci, Tom H Williamson,. Sickle cell eye disease: an overview of the vitreoretinal complications and their surgical management. *Eye News* 2017, 23/4,27-29.

180. Tom H Williamson Bina Parmar Hiten G Sheth Characteristics and Outcomes of Severe Ocular Trauma Eye News March 05.
181. Herbert EN, Williamson TH. Acute choroidal ischaemia. CML Ophthalmology 2004 14:77-80.
182. Williamson TH. New methods in the management of retinal vein occlusion. CME journal. 2004, 7 (2).
183. WKM Poon, M Chak. TH Williamson. The role of vitreous surgery in noninfectious uveitis. CME Journal Ophthalmology. 2002: 6; 6-9.
184. Chignell A.H., Harle D, Tanner V., Williamson TH. Acute posterior vitreous detachment. Optometry in Practice. 2000 1:97-102.
185. Doyle E, Williamson TH, Optical coherence tomography: current and future applications. CML Ophthalmology. 2005 15(3) 53-56.
186. Shunmugan M, Williamson TH, Optical Coherence Tomography. European ophthalmic review Vol 3 issue 2 2009.
187. Williamson TH, Complications of vitrectomy for diabetic retinopathy. Retina Today 2009.
188. Jonathan FB Goodfellow, Colin Chu, Tom H Williamson Photopsia – a Symptom of Diverse Aetiologies. CML Ophthalmology, 2010.
189. Williamson TH, Surgical management of young diabetics with tractional retinal detachment. Retina Today july/august 2010.
190. Krit Inthajak, Cattleya Duanggate, Bunyarit Uyyanonvara, Stanislav S. Makhanov, Sarah Barman, Tom Williamson, Variable Size Blob Detection with Feature Stability, Proceedings of the 3rd Biomedical Engineering International Conference on Medical Imaging, Image and Signal Processing, pp. 133 - 137, August 27-28, 2010; Kyoto University, Kyoto, Japan (2010)
191. Mano Shunmugan, Tom Williamson. Recent optical coherence imaging of vitreomacular disorders. US Ophthalmic Review, 2011,4(1):17-22
192. Aman Chandra, Tom H Williamson, Management of Choroidal Hemorrhage, retina today 2014.