

Curriculum Vitae

of

Dr TKJ Chan

LRCP Lond., MRCS Eng.,

MB.BCh.BAO. (NUI),

BSc (NUI), DO (RCSI),

FRCOphth., FRCS Ed., FRCSI.

Name Tin Kin Jonathan Chan

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UNITED KINGDOM

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Marital Status Married

Medical School University College Dublin, Ireland

Qualifications

L.R.C.P. (London), M.R.C.S. (England) April 1986

M.B., BCh., B.A.O. (National University of Ireland) June 1986

B.Sc. 2nd Class Honours (National University of Ireland) September 1988.

D.O. (R.C.S.I.) February 1990.

F.R.C.S.Ireland.(Ophth.) June 1991.

F.R.C.S.Edinburgh.(Ophth.) October 1991.

F.R.C.Ophth. October 1991.

Nationality British.

CCST Date December 1998

**Specialist Registration
Date and Number** January 1999
3165780

General Education

Secondary

Schools attended

New Method College,
Hong Kong.
Dates attended 1975-1978.

De La Salle College,
Churchtown,
Dublin 14,
Ireland.
Dates attended 1978 - 1980.

Leaving Certificate 1980 with six honours subjects

Undergraduate Career

a) Medical School

University College, Dublin.
Date of Entry: October 1980.
Date of Graduation: June 1986.

b) Undergraduate Record

1980-81 - Chemistry 1st Class Honours.
1981-82 - Anatomy 2nd Class Honours.
1981-82 - Biochemistry 2nd Class Honours.
1981-82 - Histology 2nd Class Honours.
1982-83 - Pharmacology 2nd Class Honours.
1983-84 - Pathology 2nd Class Honours.
1984-85 - Otolaryngology 2nd Class Honours.
1985-86 - Surgery 2nd Class Honours.

Postgraduate Career

Present Appointment:

**Consultant ophthalmologist
Princess Alexandra Eye Pavilion, Royal Hospital for Children
and Young People, Royal Edinburgh Infirmary, Edinburgh
NHS Lothian**

Appointed from October 2018 till present

23 Consultant Ophthalmologists
1 Professor in Ophthalmology
4 Associate Specialists
18 Specialist Registrars
1 Specialty Doctor

My duties include providing the care and service in adult and Paediatric Ophthalmology and strabismus, for a population approximately 1 million in the Lothian region. The weekly programme consisted of two theater sessions (on alternate weeks), 5 clinic sessions and one session for retinopathy of prematurity screening and treatment. In addition, I am also involved in the teaching of medical students, orthoptists, trainees and nursing staff, and the supervision of research projects with residents and colleagues of the University.

Previous appointments:

**Senior Consultant Paediatric Ophthalmologist
Sheikh Khalifa Medical City, Abu Dhabi Health Services
Company – SEHA Group, Abu Dhabi, United Arab Emirates**

Appointed September 18/09/16 till 17/09/18 (two-year fixed term contract)

In charge of Paediatric Ophthalmology and Strabismus Service for the capital Abu Dhabi, U.A.E. The weekly time table includes 4 clinic sessions, 2 theatre sessions and 2 Retinopathy of Prematurity screening and treatment sessions and 1 teaching session. Participating in a 1 in 4 on call rota for all ophthalmic emergencies, teaching ophthalmic and other medical specialty trainees, medical students, nurses and orthoptists.

**Consultant Ophthalmologist/
Honorary Senior Lecturer in Ophthalmology
Central Sheffield University Hospitals NHS Trust**

23 Consultant Ophthalmologists
 1 Consultant Ophthalmic Pathologists
 2 Lecturers in Ophthalmology
 7 Specialist Registrars / 3 Senior House Officers

Appointed September 13/09/99 to 16/09/16

Royal Hallamshire Hospital,
 University of Sheffield, Sheffield.

Clinical Lead in Paediatric Ophthalmology and
 Strabismus Division (2010 to 2016)

My duties included providing service in paediatric ophthalmology and strabismus for a population of approx. 1 million in South Yorkshire region. The weekly programme consisted of two theatre sessions, five clinic sessions and one session for retinopathy of prematurity screening. In addition, I am also involved in teaching medical students, orthoptists, residents and nursing staff, and the supervision of research projects with residents and colleagues of the University.

**Senior Registrar in Ophthalmology/
 Honorary Lecturer in Ophthalmology
 Central Sheffield University Hospitals NHS Trust**

23 Consultant Ophthalmologists
 1 Consultant Ophthalmic Pathologists
 2 Lecturers in Ophthalmology
 7 Specialist Registrars / 3 Senior House Officers

Appointed May 96 - Aug 99:

Royal Hallamshire Hospital,
 University of Sheffield, Sheffield.
 (one year of paediatric ophthalmology and
 strabismus experience)

The Royal Hallamshire Hospital is a teaching hospital which provides ophthalmic services to Sheffield and surrounding areas (pop. 1 million). It is one of the three ocular oncology centres in England. The University Department is also one of the two centres offering a degree course in orthoptics for orthoptics students.

During the course of this training, I gained clinical experience in anterior segment, paediatric ophthalmology and ocular motility, medical and surgical retina. In the adult clinics I manage a wide range of ocular disease. I am also skilled in small incision cataract surgery. I have experience of day case surgery and participate a one in six on call rota and one adult theatre session weekly.

The paediatric ophthalmology and strabismus component of the rotation (total of one year duration) comprises two outpatient clinics and a weekly operating session. I have the responsibility for screening of retinopathy of prematurity screening session at Jessop wing of the hospital. Sheffield Children's Hospital serves a catchment population of approximately 1.5 million. Specialist services include paediatric neurology, neurosurgery, metabolic disease, dermatology, oncology, genetics, paediatric surgery and infectious disease.

This programme provided an excellent supervised training while affording the opportunity to assume responsibility. The postgraduate teaching is widely recognised as being of the highest standard. As a senior registrar I actively contributed to undergraduate and postgraduate teaching. My interest is in paediatric and adult strabismus, infantile cataract and glaucoma, retinopathy of prematurity, ocular imaging and paediatric electrophysiology.

Clinical Fellow in Paediatric

Ophthalmology and Strabismus

(July 97 - June 98)

Jules Stein Eye Institute,

University College of Los Angeles, U. S. A.

Professor J. Demer M.D.

Professor S. Isenberg M.D.

Professor A. Rosenbaum M.D.

I applied for and was accepted as clinical Fellow at the Jules Stein Eye Institute, Los Angeles for a 12 month period. The institute was graded as one of the top three centres in the United States of America in vision research in 1998. The institute employs some sixty staff members drawn from diverse medical and scientific backgrounds including ophthalmology, neuroscience, experimental psychology and optometry. I was awarded the Ethicon Foundation Scholarship and Central Sheffield University Hospitals Travelling scholarship in May 1997. Both of these awards were won in open competition.

The present chief is Professor A. Rosenbaum MD who is an expert in the management of strabismus and the editor of a strabismus textbook. Professor J. Demer MD who has an acknowledged expertise in the application of imaging in the investigation of various strabismic conditions and amblyopia. Professor S.

Isenberg MD who has a particular expertise in neonatal and paediatric ophthalmology and the editor of a neonatal ophthalmology textbook.

There is an active research programme and as a result of my fellowship training I have four papers accepted for publication in major peer reviewed journals. My time was equally divided between clinical and research commitments. I rotated to each Professor every four months participating in clinics in addition to two or three operating sessions per week. Patients attending the above clinics were for the most part tertiary referrals and as a result I gained a comprehensive experience in the assessment and management of complex strabismus and paediatric ophthalmology disorders. In particular, the use of botulinum toxin, adjustable sutures and the monitoring and treatment of retinopathy of prematurity.

I worked in the Harbour and Olive View Medical Centres during the course of fellowship training. Both institutions are county hospitals and afforded the opportunity to gain wide experience in different paediatric ocular conditions and strabismus disorders. It also gave me the opportunity to supervise and teach the ophthalmic residents and nursing staff. As a result of this training, I have become familiar with the management and treatment of retinopathy of prematurity with diode laser, orbital imaging, iris angiography with indocyanine green, paediatric adjustable suture and ciliary artery sparing techniques.

Registrar Rotation / Honorary Tutor in Ophthalmology

Aug. 92 - Apr. 96 Aberdeen Royal Infirmary, University of Aberdeen
(One year of paediatric ophthalmology and strabismus experience)

Senior House Officer in Ophthalmology

Sep. 90 - Jul. 92. Addenbrookes Hospital, University of Cambridge.
(Six months of paediatric ophthalmology and strabismus experience)

Jan 89 - Aug.90 Mater Misericordiae Hospital, Temple Street Children
Hospital and Beaumont Hospital, University College
Dublin. (Six months of paediatric ophthalmology and
strabismus experience)

Physiology Demonstrator

Oct. 87 - Dec.88 Royal College of Surgeons in Ireland.

Bachelor of Science Honours Degree Course in Physiology

Oct. 87 - Sep. 88. University College Dublin.
 Research project was on the assessment of a) effects of ageing and b) cardiopulmonary bypass surgery on saccadic intrusions during smooth pursuits eye movement by infrared oculography. Department of Ophthalmology, Mater Misericordiae Hospital, Dublin.

House Surgeon

Feb. 87 - Jul. 87. Oldham and District General Hospital.

House Physician

Aug. 86 - Jan. 87. Stepping Hill Hospital, Stockport.

Surgical experience

Strabismus operations - horizontal and vertical recti recession and resection, inferior oblique myectomy, recession and anterior transposition, adjustable sutures on vertical and horizontal recti muscles, Faden posterior fixation, horizontal and vertical recti transposition, botulinum toxin injection and ciliary artery sparing procedures.

Cataract surgery - phacoemulsification and foldable posterior chamber lens implantation (over ninety nine percent were performed as day case surgery), extracapsular, endocapsular, intracapsular cataract extractions and combined trabeculectomy, phacoaspiration / lensectomy and lens implantation for congenital cataract procedures.

Oculoplastic surgery - enucleation, evisceration, entropion, ectropion, levator recession and scleral graft implant, levator resection, Fasanella Servat, frontalis sling, eyelid reconstruction, botulinum toxin injection, dacryocystorhinostomy and silicone tube intubation procedures.

Laser procedures - argon macular and panretinal and indirect photocoagulation, Y.A.G. capsulotomy and iridotomy, Diode laser treatment for retinopathy of prematurity.

Drainage procedures - trabeculectomy, cyclocryotherapy, intraoperative application of 5-fluorouracil and Mitomycin C treatment and Molteno tube implantation.

Corneal surgery - penetrating keratoplasty, excision of pterygium and transposition of conjunctival graft.

Retinal surgery - drainage, air/gas injection, cryotherapy, explant insertion, vitrectomy, endolaser and removal of silicone oil procedures.

Emergency surgery - corneal and scleral perforation, lid laceration, temporal artery biopsy, aqueous and vitreous sampling procedures.

Research Experience

Measurement and recording of eye movement by infrared oculography.

Measurement of extraocular muscle contractility by orbital imaging.

Imaging and interpretation of iris perfusion by indocyanine green.

Imaging and monitoring of retinopathy of prematurity and retinal haemorrhages using the Retcam system.

Imaging of the anterior segment with the ultrasonic biomicroscopy system.

Teaching and Examination Experience

Formal and informal teaching of general practitioner, orthoptic trainees, senior house officers for MRCP, FRCOphth. examinations and ocular motility course, nursing staff and medical students.

Examination experience included medical students final examination in physiology and final year dental and medical students in surgery, OSCE workshop for final year medical student & Part 2 and 3 MRCOphth.

Senior Examiner of the Royal College of Ophthalmologists.

Administrative Experience

Clinical Lead in Paediatric Ophthalmology and Strabismus Division, Directorate of Ophthalmology, Sheffield Teaching Hospitals from 2010 to 2016.

Chairman of Continuous Professional Development Committee of Royal College of Ophthalmologist from 2010 to 2016.

Member of Revalidation Subcommittee of Royal College of Ophthalmologists, 2011-2014.

Member of Clinical Reference Group of Specialised Services for Ophthalmology, Department of Health, 2012-2013.

Regional Adviser of Royal College of Ophthalmologists; from 2004-2010.

Senior Examiner for Part 2&3 Diploma FRCOphth of The Royal College of Ophthalmologists from 1999 to 2016.

Regional mentor representative for Royal College of Ophthalmologists from 2013 to 2016.

Organisation of the Paediatric Contact lens service of the Directorate.

Reviewer for Eye, British Journal of Ophthalmology, Journal of American Association of Paediatric Ophthalmology and Strabismus, and Eye News since 1999.

Trained appraiser for Sheffield Teaching Hospitals NHS Trust from 2015 to 2016.

Regional investigator of multicentre National Intermittent Exotropia Study.

Main organizer of the First British Paediatric Ophthalmology and Strabismus Association inaugural meeting, Sheffield, 9th to 11 October 2008

Lead NHS Consultant of Ophthalmology Directorate Research Committee of Central Sheffield University Trust, 1999-2006

Chairman and organizer of North East Paediatric Ophthalmology Group Meeting September 2005.

Organisation of junior staff time table, on-call rota and teaching programme. Attended management course for specialist registrar organised by Trent Health Authority.

Chairman and organizer of Royal College of Ophthalmologists Seminar Meeting in Amblyopia and Strabismus Surgery, Sheffield February 2000.

Chairman and organizer of Royal College of Ophthalmologists Annual Congress Meeting in Orthoptics Seminar section, Harrogate May 2000.

Member of 'working together collaborating group in ophthalmology services' for South Yorkshire, Mid Yorkshire and North Derbyshire Regions.

Royal College Assessor for Fellowship Assessment from 2008 to 2016.

Lead investigator representing South Yorkshire and Humber Region for Benefits of Oxygen Saturation Targeting -11 U.K. National Study.

Lead investigator representing the South Yorkshire and Humber Region for a multicentre randomised study in the Management of Retinopathy of Prematurity (part of the British Ophthalmic Surveillance Unit Study).

Member of the Scientific Committee of the British Isles of Paediatric Ophthalmology and Strabismus annual meeting, Edinburgh, October 2019.

Educational and clinical supervisor roles for Ophthalmic trainees programme in Edinburgh and Lothian region, from October 2018.

Membership

International Member of the American Association of Pediatric Ophthalmology and Strabismus.

Member of European Retina Society Cataract and Refractive Surgery.

Member of European Paediatric Ophthalmology Group.

Member of British Isles Paediatric Ophthalmology and Strabismus.

Audit Experience

Vitreous loss in phacoemulsification and hypotony after trabeculectomy.

Visual outcome in paediatric cataract surgery.

Intraocular pressure control after phacoemulsification and viscodissection of the angle in narrow angle glaucoma.

Management of periorbital cellulitis in children.

Surgical outcome of horizontal squint surgery.

Surgical outcome comparison between Botulinum injection to the medial recti muscles and bilateral medial recti recession surgery in infantile esotropia.

Surgical outcome of small angle esotropia in children.

Single muscle surgery for small angle esotropia.

Paediatric cataract surgery and new lens implantation.

Treatment of infantile esotropia with botulinum injection

Recurrence of Retinopathy of Prematurity (ROP) after initial Ranibizumab intravitreal injection

A 6-year review on preseptal and orbital cellulitis in patients under 18 years old and the use of systemic steroids in its managements.

Visual outcome of phacoemulsification and lens implantation.

Review of medium term postoperative alignment after placation technique in horizontal muscle squint surgery in children.

Publications

- 1) 'The Effect of Ageing on Catch-up Saccades During Horizontal Smooth Pursuit Eye Movement.' **T. Chan**, M. Codd, P. Kenny and P. Eustace. *Journal of Neuro-Ophthalmology*. 1990;10:327-330.
- 2) 'Ocular Manifestations of Foetal Alcohol Syndrome.' **T. Chan**, R. Bowell, M. O'Keefe and B. Lanigan. *British Journal of Ophthalmology*. 1991;75:524-526.
- 3) 'Intermittent Downbeat Nystagmus.' A Case Report. **T. Chan**, P. Logan and P. Eustace. *Journal of Clinical Neuro-ophthalmology*. 1991;11(4):293-296.
- 4) 'One and a half syndrome following intravenous morphine injection in a drug user.' A Case Report. **T. Chan**, J. Stack and P. Eustace. *Journal of Neuro-ophthalmology*. 1993;13(1):35-38.
- 5) 'Ocular complications in bungee jumping.' **T. Chan**. *British Journal of Ophthalmology*. 1994;78:239.
- 6) 'Childhood Penetrating Eye Injuries.' **T. Chan**, R. Bowell, B. Lanigan and M. O'Keefe. *Irish Medical Journal*. 1995;88(5):168-170.
- 7) 'Ossification in choroidal melanoma.' **T. Chan**, H. Atta and G. Scott. *British Journal of Ophthalmology*. 1995;79:705-706.
- 8) 'Long term follow-up of primary trabeculectomy for infantile glaucoma.' T. Fulcher, **T. Chan**, B. Lanigan, R. Bowell and M. O'Keefe. *British Journal of Ophthalmology*. 1996;80:499-502.
- 9) 'Antineutrophil cytoplasmic antibodies in uveitis.' **T. Chan**, A. Dick, J. Forrester and R. Herriot. *Journal of Ocular Inflammation and Immunology*. 1996;4(2):83-90.
- 10) 'Simultaneous presentation of pineal germinoma and testicular seminoma.' **T. Chan**, A. Agius-Fernandez and P. Best. *Eye*. 1996; 10(5): 637-639.
- 11) 'Unusual presentation of progressive eye movement disturbance in a patient with unilateral cranio-orbital fibrous dysplasia.' **T. Chan**, A. Agius-Fernandez and P. Best. *Journal of Pediatric Ophthalmology and Strabismus*. 1998; 35(1): 58-61.
- 12) 'Clinical features of congenital absence of superior oblique muscle as demonstrated by orbital imaging.' **T. Chan** and J. Demer. *Journal of American Association of Pediatric Ophthalmology and Strabismus*. 1999; 3(3):143-150.
- 13) 'The efficacy of adjustable suture technique in pediatric strabismus surgery.' **T. Chan**, A. Rosenbaum and L. Hall. *Eye*. 1999; 13(4): 567-570.

- 14)'Indocyanine green angiography of the anterior segment undergoing strabismus surgery.' **T. Chan**, A. Rosenbaum, R. Rao, S. Schwartz and P. Santiago. *British Journal Ophthalmology* 2001; 85: 214-218.
- 15)'The application of ultrasonic biomicroscopy in the management of posttraumatic hypotony.' **T. Chan**, J. Talbot, I. Rennie, S. Longstaff and P. Desai. *Eye*. 2000; 14(5): 805-7.
- 16)'Stable pigmentary retinopathy in a child with 3-hydroxyacyl-CoA dehydrogenase deficiency.' P. Puri & **T. Chan**. *Eye* 2000; 14(4): 659-61.
- 17)'Optimum timing for adjustment in adjustable suture strabismus surgery.' F. Velez, **T. Chan**, S. Isenberg, A. Rosenbaum, T. Chou, R. Clark and M. Keyes. *Journal of American Association of Pediatric Ophthalmology and Strabismus*. 2001; 5(3): 178-83.
- 18)'Sphenoid dysplasia and temporal lobe prolapse in neurofibromatosis type 1. A. Nambiar, P. Puri and **T. Chan**. *Eye* 2001; 15(2): 251-253.
- 19)'Autosomal dominant congenital superior oblique palsy.' R. Bhola, G. Horne, D. Squirrell, **T Chan** and D. Kumar. *Eye* 2001; 15(4):479-484.
- 20)'Spontaneous perforation of the globe in Ehlers Danlos syndrome.' P. Puri, M. Gupta and **T. Chan**. *Eye* 2001; 15(4):553-554.
- 21)'Retinal haemorrhages in meningococcal meningitis.' S. Dinakaran, **T. Chan**, N. Rogers and D. Brosnahan. *Journal of American Pediatric Ophthalmology and Strabismus*, 2002; 6:221-223.
- 22)'Progressive ophthalmoplegia in arthrogryposis multiplex congenita.' P. Puri, M. Gupta, **T. Chan**. *Eye* 2002; 16:86-88.
- 24)'Central retinal artery occlusion following staphylococcal orbital cellulitis. R. Bhola, S. Dhingra, A. McCormick and **T. Chan**. *Eye*, 2003; 17:109-111.
- 23)'Facial naevus flammeus with choroidal haemangioma and without intracranial involvement.' M. Madlom, N. Hoggard, P. Griffiths, **T. Chan**. *Developmental Medicine and Child Neurology*, 2003; 43:139-140.
- 24)'Epidemic keratoconjunctivitis: do outbreaks have to be epidemic? D. Cheung, J. Bremner, **T. Chan**. *Eye*, 2003;17:356-363.
- 25)'Ophthalmic manifestations of craniometaphyseal dysplasia.' P. Puri and **T. Chan**. *Journal of Pediatric Ophthalmology and Strabismus*. 2003; 40(4): 228-231.
- 26)'Cobb's Tufts: a rare cause of spontaneous hyphaema.' P. Puri & **T.Chan**. Accepted by *International Ophthalmology* 2003.

- 27)'Horner's syndrome secondary to maternal trauma during pregnancy.'
M.Gupta, S. Dinakaran, **T Chan**. *Journal of Pediatric Ophthalmology and Strabismus*. 2005; 42(2): 122-124.
- 28)'Paediatric cataract surgery, techniques, complications and management.
'E. Wilson, R. Trivedi, S. Pandey, L. William and Wilkins, 2005. Text book review **T. Chan**. *Eye* 2005, Volume 1.
- 29)'Paediatric cataract surgery, techniques, complications and management.
T. Chan – *Eye* 2007.
- 30)'Megalocornea and bilateral developmental cataracts.' A. Berry-Brincat & **T. Chan**. *J. Cataract Refract Surgery* 2008; 38:168-170.
- 31)'Angle viscodissection during cataract surgery effective in long-term management of angle closure glaucoma.' P Cikatricis and **T. Chan**, *Eurotimes*, page 22, volume 14, issue 1, Jan 2009.
- 32)'Primary phacoemulsification combined with drainage angle viscodissection in the management of chronic narrow angle/angle-closure glaucoma (CNAG/CACG) and co-existent cataract'. P. Cikatricis, **T. Chan**. Book Chapter 2009. Title 'Surgical Techniques in Ophthalmology Cataract Surgery'. A Garg, JL Alió – 2010.
- 33)'Expanding the Use of Chalazion Clamps'. B While, T. Ung, **T. Chan**. *Journal of American Pediatric Ophthalmology & Strabismus*; 14 (1):46, Feb. 2010.
- 34)'Paediatric orbit and periorbital pathology'. 1 pictorial review of imaging strategies using CT and MRI' Hon L-Q, Connolly DJA, **Chan JTK** and Griffiths PD. *JPNR* (2012) 1:7-17.
- 35)'Lens particle glaucoma secondary to untreated congenital cataract and persistent fetal vasculature' Benjamin While, Hardeep S. Mudhar, **Jonathan Chan**. *Eur.J.Oph.*2012.
- 36)'Accuracy of routine data on paediatric cataract in the UK compared to active surveillance: lessons from the IOLu2 Study. British Congenital Cataract Interest Group. Ameenat Lola Solebo, Isabeele Russell-Eggitt, Jugnoo Sangheeta Rahi (Lead Clinician representing this study **T Chan**)
- 37)'Paediatric Post-septal and Pre-septal Cellulitis: 10-year Experience at a Tertiary-level Children's Hospital' *A Mathew, E Craig, R Al-Mahmoud, R Batty, A Raghaven, S Morderkar, T. Chan, D Connolly. British Journal of Radiology, 2014, 87 (1033).*
- 38)'Toy' laser macular burns in children'. *N Raouf, T Chan, N Rogers, W Abdullah, I Haq, S Kelly, F Quhill. Eye, 2014, 28, 231-234.*
- 39)'Early clinical experience with a new pre-loaded one-piece intraocular lens in paediatric cataract surgery'. *EYE* (2016) 30, 1266-1267. Daniel

Gosling and **TK Chan**.

- 40)** 'LOXL3 novel mutation causing a rare form of autosomal recessive Stickler Syndrome.' T. Chan, A. El-Hattab, M.K. Al Kaabi, A.M. ElBarky. Published in Clinical Genetics.
- 41)** A 6-year review on preseptal and orbital cellulitis in patients under 18 years old and the use of steroids in the management within our tertiary referral center in Abu Dhabi. Accepted by Journal of American Ophthalmology and Strabismus. R. AlNuami, T. Chan **Book Chapters**
- 42)** 'PAEDIATRIC EYE TRAUMA, PAPPILLOEDEMA, ORBITAL FRACTURES, FUNDUS HAEMORRHAGES AND DENDRITIC ULCER'
T. Chan and J. Burke. Self-Assessment Colour Review of Paediatric Emergency Medicine. Edited by Brennan, Ludwig and Yassa. Manson Publishing, London.
- 43)** 'THE RESULTS OF ADJUSTABLE SUTURE TECHNIQUE IN HORIZONTAL PAEDIATRIC STRABISMUS SURGERY.'
T. Chan, A. Rosenbaum and L. Hall. Advances in Strabismology. Edited by G. Lennerstrand. Aeolus Press Science Publishers, Erichem.

Papers in Preparation

Recurrence of ROP after initial Ranibizumab intravitreal injection.

A 6-year review of preseptal and orbital cellulitis in patients under 18 years old and the use of systemic steroids in its management.

ROP recurrence after Ranibizumab injection in triplets – A Case Report

Unusual unilateral Macular Colobomata – A Case Report

A 5-year review of work related ocular injuries

Optical Coherence Topography findings in Neuroretinitis – A Case Report
Study

Self inflicted central retinal artery occlusion and anterior ischaemic optic neuropathy in a child- A Case Report

A case of bilateral neuroretinitis associated with acute lymphoblastic leukaemia in a four year old child- A Case Report

The visual outcome of Aggressive Posterior Retinopathy of Prematurity (APROP)- A U.K. and Ireland survey study from the British Ophthalmic Survey Unit.

Secondary raised intracranial pressure due to medications- a short case series.

Unusual presentation of central retinal vein occlusion in 16 year old girl- a case report.

Surgical outcome after plication rectus muscle in primary horizontal strabismus surgery.

'Review of APROP treatment in Scotland.'

Presentations

- 1) "Effects of Ageing and Cardiopulmonary bypass surgery, on saccadic intrusions during smooth pursuit eye movement." **T. Chan** and P. Eustace. Joint Irish and New Orleans Ophthalmological Societies' meeting, October 1988.
- 2) "An Infrared Oculographic Analysis of Normal Pursuit Eye Movements" **T. Chan**, M. Codd, P. Kenny and P. Eustace. At the 72nd annual meeting of the Irish Ophthalmological Society, Dublin May 1989.
- 3) "Catch-up Saccades Increase on Right Gaze with Age" **T. Chan** and P. Eustace at the Neuro-ophthalmology Club Meeting, Institute of Neurology, National Hospital, Queen Square, London, June 1989.
- 4) "Childhood Penetrating Eye Injuries Management and Results" **T. Chan** and M. O'Keefe at the 2nd International Paediatric Ophthalmology Meeting, Dublin, September 1989 and poster presentation at the 16th annual meeting of the American Association for Paediatric Ophthalmology and Strabismus, New York, July 1990.
- 5) "The Dysmorphic Eye" **T. Chan**, R. Bowell and M. O'Keefe at the 73rd annual meeting of the Irish Ophthalmological Society, Dublin, May 1990.
- 6) "Congenital Glaucoma" **T. Chan**, M. O'Keefe and R. Bowell at The Glaucoma Meeting, Dublin, October 1992.
- 7) "Visual outcome in 87 children with cataracts between 1980 to 1992" **T. Chan**, M. O'Keefe, R. Bowell and B. Lanigan, poster presentation at The College Congress Meeting, Birmingham, May, 1993.

- 8) "The role of trabeculectomy in primary and secondary congenital glaucoma" **T. Chan**, M. O'Keefe, R. Howell and B. Lanigan, poster presentation at The College Congress Meeting, Birmingham, May, 1993.
- 9) "Antineutrophil cytoplasmic antibodies and posterior uveitis" **T. Chan**, A. Dick, J. Forrester and R. Herriot. Scottish Clinical Immunology Meeting, Perth, June 1993.
- 10) "Congenital Glaucoma: A clinicopathological case presentation" **T. Chan**, W. Donaldson and G. Scott, poster presentation at The Royal College Congress Meeting, Guernsey, April 1994.
- 11) "The role of antineutrophil cytoplasmic antibodies in uveitis" **T. Chan**, A. Dick, J. Forrester and R. Herriot, poster presentation at The Royal College Congress Meeting, Guernsey, April, 1994.
- 12) "Antineutrophil cytoplasmic antibodies associated uveitis" **T. Chan**, A. Dick, J. Forrester and R. Herriot. Scottish Ophthalmological Club and North of England Ophthalmic Society meeting, Dalmahey, October 1994.
- 13) "Echographic evaluation of intraocular masses - the first one hundred cases" N. Watson, **T. Chan**, H. Atta. Scottish Ophthalmological Club meeting, Dundee, March, 1995.
- 14) "Long term results of lid lengthening procedures for eyelid retraction in dysthyroid eye disease" **T. Chan**, M. Bdour, C. Hutchinson, poster presentation at The Royal College Meeting, Birmingham, May, 1995.
- 15) "The clinical value of standardised echography in ophthalmic practice" N. Watson, **T. Chan**, H. Atta, poster presentation at The Royal College Congress Meeting, Birmingham, May, 1995.
- 16) "Long term stability of adult strabismus surgery using adjustable sutures" **T. Chan** and W. Church, poster presentation at The Royal College Meeting, Edinburgh, May 1996.
- 17) 'Clinical features of congenital absence of superior oblique muscle as demonstrated by magnetic resonance imaging.' **T. Chan** and J. Demer. Jules Stein Eye Institute Research and Alumni Day Meeting, Los Angeles, March, 1998.
- 18) 'Is adjustable suture technique a safe and effective method in pediatric strabismus surgery?' **T. Chan**, A. Rosenbaum and L. Hall. Poster presentation at The Jules Stein Eye Institute Research and Alumni Day Meeting, Los Angeles, March, 1998.
- 19) "Clinical features of congenital absence of superior oblique muscle as demonstrated by magnetic resonance imaging" **T. Chan** and J. Demer, presentation at The American Association of Pediatric Ophthalmology and Strabismus Meeting, Palm Spring, April 1998.

- 20)** "Clinical features of congenital absence of superior oblique muscle as demonstrated by magnetic resonance imaging" **T. Chan** and J. Demer. Poster presentation at Oxford Ophthalmological Congress, Oxford, July, 1998. "The efficacy of adjustable suture technique (AST) in paediatric strabismus surgery." **T. Chan**, A. Rosenbaum and L. Hall. Presentation at The 8th International Strabismological Association Meeting, Maastricht, September 1998.
- 21)** 'Indocyanine green angiography of the anterior segment undergoing strabismus surgery.' **T. Chan**, A. Rosenbaum and S. Schwartz. Poster presentation at The American Association of Pediatric Ophthalmology and Strabismus Meeting, Toronto, April 1999.
- 22)** 'Visual prognosis in persistent pupillary membrane.' **T. Chan**, D. Brosnahan, J. Leitch, I. Russell-Eggitt and D. Taylor. Poster presentation at The Annual Congress of The Royal College of Ophthalmologists, Cardiff, May 1999.
- 23)** 'The optimum timing for adjustment in adjustable suture strabismus surgery.' **T. Chan**, S. Isenberg, A. Rosenbaum, T. Chou, R. Clark and M. Keyes. Poster presentation at The Ninth International Orthoptic Congress, Stockholm, June 1999.
- 24)** 'Persistent pupillary membrane.' **T. Chan**, D. Brosnahan, J. Leitch, I. Russell-Eggitt and D. Taylor. Poster presentation at The American Association of Pediatric Ophthalmology and Strabismus Meeting, San Diego, April 2000.
- 25)** 'The optimum timing for adjustment in adjustable suture strabismus surgery.' F. Velez, **T. Chan**, S. Isenberg, A. Rosenbaum, T. Chou, R. Clark and M. Keyes.
- 26)** Paper presentation at The American Association of Pediatric Ophthalmology and Strabismus Meeting, San Diego, April 2000.
- 27)** 'Neonatal intraocular haemorrhage. A cautionary tale. K. May, **T. Chan** and A. Parsons. Poster presentation at the Annual Congress of The Royal College of Ophthalmologists, Harrogate, May 2000.
- 28)** 'Retinal haemorrhages in meningococcal meningitis.' S. Dinakaran, **T. Chan**, K. May and A. Parsons. Oxford Ophthalmological Congress, July 2000.
- 29)** 'Open angle glaucoma in Hurler Scheie syndrome.' P. Puri & **T. Chan**. European Paediatric Ophthalmology Group meeting, Cambridge, September 2000.
- 30)** 'Ophthalmic manifestations of craniometaphyseal dysplasia.' P. Puri and **T. Chan**. European Paediatric Ophthalmology Group meeting, Cambridge, September 2000.

- 31)'Retinal haemorrhages in meningococcal meningitis.' S. Dinakaran, **T. Chan**, K. May and A. Parsons. Poster presentation at The American Association of Pediatric Ophthalmology and Strabismus Meeting, Orlando, March 2001.
- 32)'Epidemic keratoconjunctivitis: do outbreaks have to be epidemic? D. Cheung, J. Bremner, S. Kolli and **T. Chan**. Poster presentation at the Annual Congress of The Royal College of Ophthalmologists, Birmingham, May 2001.
- 33)'Facial naevus flammeus with choroidal haemangioma and without intracranial involvement.' M. Madlom, **T. Chan**, P. Griffiths and N. Hoggard. Poster presentation at British Paediatric Neurology Association meeting, Newcastle, January 2002.
- 34)'Is the surgical outcome in primary horizontal strabismus surgery performed by junior trainees as comparable as the consultants?' P. Puri, **T. Chan** and J. Burke. Presentation at the Annual Congress of The Royal College of Ophthalmologists, Manchester, May 2002.
- 35)'The long term results of simultaneous bilateral lensectomies in children.' **T. Chan**, S. Dinakaran and D. Squirral. Poster presentation at The American Association of Pediatric Ophthalmology and Strabismus Meeting, Hawaii, 2003.
- 36)'Retinal and intracranial hemorrhages after ventouse delivery.' A. Ingles, and **T. Chan**. Poster presentation at The American Association of Pediatric Ophthalmology and Strabismus Meeting, Hawaii, 2003.
- 37)'Bilateral simultaneous cataract surgery in megalocornea.' A. Berry-Brincat, **T. Chan**. Poster presentation at The European Society of Cornea and refractive Surgery meeting, Rome, 2003.
- 38)'The long term results of simultaneous bilateral lensectomies in children.' **T. Chan**, S. Dinakaran and D. Squirral. Poster presentation at the Annual Congress of The Royal College of Ophthalmologists, Birmingham, May 2003.
- 39)'Primary phacoemulsification and viscodissection in the management of narrow angle glaucoma. M. Gupta, F. Lyons and **T. Chan**. Presentation at The United Kingdom & Ireland Cornea and Refractive Surgery Symposium, Chester, September 2003.
- 40)'The management of narrow angle glaucoma and cataract by primary phacoemulsification and viscodissection of the drainage angle. M. Gupta, F. Lyons and **T. Chan**. Presentation at the Annual Congress of The Royal College of Ophthalmologists, Manchester, May 2004.
- 41)'Primary phacoemulsification and viscodissection in the management of narrow angle glaucoma. M. Gupta, F. Lyons and **T. Chan**. Presentation at The XXII European Cornea and Refractive Surgery Symposium, Paris,

September 2004.

- 42)** 'Visual outcome in primary and secondary foldable posterior chamber lens implantation after vitreous loss in phacoemulsification. N. Ahmed, P. Mehta and **T. Chan**. Presentation at The XXII European Cornea and Refractive Surgery Symposium, Paris, September 2004.
- 43)** 'Paediatric optic disc drusens - a diagnostic dilemma?' A. Jain, D. Squirrel, and **T. Chan**. Presentation at The American Association of Pediatric Ophthalmology and Strabismus Meeting, Washington, March 2005.
- 44)** 'Long term visual prognosis in primary and secondary foldable posterior chamber lens implantation after vitreous loss in phacoemulsification. N. Ahmed, P. Mehta and **T. Chan**. Presentation at The Annual Congress of Royal College of Ophthalmologists, Birmingham, May 2005.
- 45)** 'Identifying the role of computerised tomography in children with presumed preseptal cellulitis.' Z. Youssef, P. Mehta, D. Squirrel, J. McEwan, A. Ragavan and **T. Chan**. Presentation at The Annual Congress of Royal College of Ophthalmologists, Birmingham, May 2005.
- 46)** 'Long term visual prognosis in primary and secondary foldable posterior chamber lens implantation after vitreous loss in phacoemulsification. N. Ahmed, P. Mehta and **T. Chan**. Presentation at American Research and Visual science Organisation, Fort Lauderdale, Florida, May 2005.
- 47)** 'Long term intraocular pressure control after primary phacoemulsification and viscodissection in narrow angle glaucoma. S. Salvi, M. Gupta, F. Lyons and **T. Chan**. Presentation at The XXIII European Cornea and Refractive Surgery Symposium, Lisbon, September 2005.
- 48)** 'Bilateral spontaneous cataracts in a newly diagnosed diabetic child. A clinicopathological correlation. K. Sears and **T. Chan**. Presentation at the XXV European Cornea & Refractive Surgery Symposium, London September 2006.
- 49)** 'Acrysof IQ implantation in children Poster presentation. I. Masood, **T. Chan**. World Ophthalmology Congress 2008, Hong Kong.
- 50)** 'Simultaneous bilateral cataract extraction in paediatric patients in a tertiary referral centre in the U.K.' S. Bhatta, K. May, A. Berry-Brincat, D. Dinakaran, **T. Chan**. Poster Presentation World Ophthalmology Congress 2008, Hong Kong.
- 51)** 'Ophthalmoplegia secondary to nasopharyngeal phacomysarcoma'. S. Bhatta, **T. Chan** World Ophthalmology Congress 2008, Hong Kong.
- 52)** 'Phacoemulsification combined with visco-dissection of the angle as a primary procedure in the management of cataract with co-existing narrow angle glaucoma.' P. Cikatricis, S. Bhatta, S. Salvi, M. Gupta, **T. Chan**. Presented at The XXVI European Cornea and Refractive Surgery

Symposium September 2008, Berlin.

- 53) 'Optical coherence topography imaging of paediatric retinal pathology.' N. Raoof, T. Ung, **T. Chan**. Poster presentation at The XXVII, World Congress of Paediatric Ophthalmology and Strabismus, Barcelona. September 2009.
- 54) 'Spectral OCT images of serous retinal detachment in a 7 year old child'. A Maudgil, **T Chan**. World Congress 2010.
- 55) 'Acute, life-threatening presentation of myasthenia gravis in a 3 year old child'. WCPOS 2012, Milan.
- 56) 'Use of Spectral-Domain Optical Coherence Tomography to image paediatric macular and posterior pole pathology'; presenting results on departmental use of Spectralis OCT in Children. Raoof N, Ung T, **T Chan**. World Ophthalmology Congress, Berlin.
- 57) 'Crossed chiasmal asymmetry, is it really a feature of albinism?' RCOPTH Annual Congress 2011. J. Williams, J Marr, **T Chan**.
- 58) 'Chiasmal misrouting – is it really a feature of albinism?' Oxford Congress 2012. J. Williams, J Marr, **T Chan**.
- 59) 'Chiasmal misrouting – is it really a feature of albinism?' WCPOS Milan 2012. J. Williams, J Marr, **T Chan**.
- 60) 'Chiasmal misrouting: Is it really a feature of albinism?' 8th ISO-HK 2012. J. Williams, J Marr, **T Chan**.
- 61) 'Combined cataract surgery and Lucentis injection for vein occlusions and macular degeneration'. O. Rafiq, **T Chan**, 8th ISO-HK 2012.
- 62) 'Unilateral medical rectus recession in small angle esotropia by modified Hang-Back Technique.' A Hardisty, C Whalley and **T Chan**. Oxford Ophthalmological Congress, Oxford, July 2013.
- 63) 'Toy laser macular burns in children.' N Raoof, **T Chan**. Oxford Ophthalmological Congress, Oxford, July 2014 (Poster gold medal prize winner.)
- 64) 'Toy laser macular burns in Children. **T. Chan**. 10th ISO-HK Congress 2014.
- 65) 'Audit results on paediatric cataract surgery and new lens implantation.' Submitted for American Paediatric Ophthalmology and Strabismus Association (AAPOS) meeting in Vancouver, March 2016.
- 66) 'Audit results on single muscle surgery in small angle esotropia.' Submitted for AAPOS meeting in Vancouver, March 2016.

- 67) 'Early experience with a new pre-loaded intraocular lens in paediatric cataract surgery.' Daniel Gosling, **T. Chan**. Eposter BIPOSA in Dublin 2016.
- 68) 'Early recurrence of Retinopathy of prematurity after initial Ranibizumab intravitreal injection- early experience from a tertiary centre in Abu Dhabi, U.A.E.' A. Ali, **T. Chan**, A. El Barky, F. Habroosh, R. Al Nuaimi, H. Eatamadi. Oral presentation at Joint AAPOS and CPOS meeting, Shanghai, China, October 2017.
- 69) 'A 6-year review on preseptal and orbital cellulitis in patients under 18 years old and the use of steroids in its management within a tertiary center in Abu Dhabi.' R. Al Nuaimi, **T. Chan**, F. Habroosh, M. Alzaabi, A. Al Ali, I. Alhammadi, A. Binamro. Oral presentation at the Joint AAPOS and CPOS meeting , Shanghai, China, October 2017.
- 70) 'Retinopathy of prematurity recurrence after intravitreal Ranibizumab injection in triplets- a case report. A. Binamro, R. Al Nuaimi, **T. Chan**. Poster presentation at the EOS meeting, Dubai December 2017.
- 71) 'Early recurrence of Retinopathy of prematurity after initial Ranibizumab intravitreal injection- early experience from a tertiary centre in Abu Dhabi, U.A.E.' A. Ali, **T. Chan**, A. El Barky, F. Habroosh, R. Al Nuaimi, H. Eatamadi. Accepted for poster presentation at The Oxford Congress, July 2018.
- 72) 'A 6-year review on preseptal and orbital cellulitis in patients under 18 years old and the use of steroids in its management within a tertiary center in Abu Dhabi.' R. Al Nuaimi, **T. Chan**, F. Habroosh, M. Alzaabi, A. Alali, I. Alhammadi, A. Binamro. Poster presentation at the The Oxford Congress, July 2018.
- 73) 'Early recurrence of Retinopathy of prematurity after initial intravitreal Ranibizumab injection- early experience from a tertiary centre in Abu Dhabi, U.A.E.' A. Ali, **T. Chan**, A. El Barky, F. Habroosh, R. Al Nuaimi, H. Eatamadi. Eposter presentation at BIPOSA meeting, Manchester October 2018.
- 74) 'A 6-year review on preseptal and orbital cellulitis in patients under 18 years old and the use of steroids in its management within a tertiary center in Abu Dhabi.' R. Al Nuaimi, **T. Chan**, F. Habroosh, M. Alzaabi, A. Al Ali, I. Alhammadi, A. Binamro. Eposter presentation at the BIPOSA meeting, Manchester October 2018.
- 75) 'Retinopathy of prematurity recurrence after intravitreal Ranibizumab injection in triplets- a case report. A. Binamro, R. Al Nuaimi, **T. Chan**. Eposter presentation at the BIPOSA meeting, Manchester October 2018.
- 76) 'Early recurrence of retinopathy of prematurity after primary intravitreal Ranibizumab monotherapy.' Poster presentation at the AAPOSA meeting, San Diego, March 2019.

- 77) 'Drug induced secondary intracranial hypertension.' E. Saxby, C. Schmoll and T. Chan. Poster presentation at the Oxford Ophthalmological Congress, Oxford, July 2019.
- 78) 'Drug induced secondary intracranial hypertension.' E. Saxby, C. Schmoll and T. Chan. Poster presentation at the World Ophthalmological Congress, Paris, September 2019.
- 79) 'Early recurrence of retinopathy of prematurity after primary intravitreal Ranibizumab monotherapy.' T. Chan, Oral presentation at the BIPOSA meeting, Edinburgh, October 2019.
- 80) 'Just another case of exotropia' K. Ah-See, T. Chan, Oral presentation at the Scottish Ophthalmological Club, Edinburgh, February 2010.
- 81) 'Drug induced secondary intracranial hypertension.' E. Saxby, C. Schmoll and T. Chan. Presentation at the Asian Pacific Association of Ophthalmology meeting, Xiamen, China, August, 2020.

Invited Lectures

- 1) 'Indocyanine green angiography of the anterior segment undergoing strabismus surgery.' Presentation at The Ocular Motility Meeting, Sheffield, September 1998.
- 2) 'The timing of surgery in infantile esotropia.' Presentation at The Third Manchester Ocular Motility Symposium, Manchester, October 1998.
- 3) 'Indocyanine green angiography of the anterior segment undergoing strabismus surgery.' Presentation at The Postgraduate Meeting, Leeds, March 2000.
- 4) 'Common Eye diseases in the elderly.' Presentation at The Medical Postgraduate Meeting, Leicester, July 2001.
- 5) 'Unusual vertical strabismus and Duane's syndrome' Presentation at The Fourth Manchester Ocular Motility Symposium, Manchester, October 2001.
- 6) 'Recent Advances in Paediatric Ophthalmology.' Presentation at The Forging Ahead in Ophthalmology National Conference, Sheffield, November 2001.
- 7) 'Indocyanine green angiography of the anterior segment undergoing strabismus surgery.' Presentation at The Postgraduate Meeting, Nottingham, November 2001.
- 8) 'Indocyanine green angiography of the anterior segment undergoing strabismus surgery.' Presentation at The Postgraduate Meeting, Leicester, January 2003.

- 9) 'Treatment of paediatric cataracts.' Presentation at the second Nottingham Orthoptics Symposium, Nottingham, October 2003.
- 10) 'Paediatric Ophthalmology-current therapies & future trends.' United Kingdom Ophthalmic Pharmacist Annual Meeting, Sheffield, November 2003.
- 11) 'Paediatric ophthalmology update.' Staff grade and Associate Specialist Symposium, Sheffield. July 2009.
- 12) 'Important topics in Paediatric Ophthalmology'. Department of Ophthalmology, University of Malta. September 2009.
- 13) 'Infantile Esotropia and Congenital Strabismus.' 12th International Paediatric Ophthalmology meeting, Dublin, Ireland. October 2009.
- 14) 'Refraction in Children', 'Infantile Esotropia Update', 'Indocyanine green anterior segment angiogram post strabismus surgery', 'Trochlear nerve palsy' and 'Management of Paediatric Cataracts', lecture presentation at Tianjin Eye Hospital University of Tianjin, China, December 2011.
- 15) 'Retinopathy of Prematurity Update' and 'Management of Allergic Conjunctivitis', lecture presentation at Tianjin Eye Hospital, University of Tianjin, China, December 2012.
- 16) 'Management of 6th Nerve Palsy, Familial Exudative Vitreoretinopathy, Adie's Pupil, Congenital Hamartoma of the Retina and Retinal Pigment Epithelium, Orbital Lymphangioma' lecture presentation at Tianjin Eye Hospital, University of Tianjin, China, December 2015.
- 17) 'Early recurrence of Retinopathy of prematurity (ROP) after initial Ranibizumab intravitreal injection – early experience from a tertiary referral centre in Abu Dhabi, U.A.E.. Lecture presentation at the Emirates Ophthalmological Society meeting, Dubai, U.A.E., December 2017.
- 18) 'The surgical technique of adjustable sutures in strabismus surgery.' Guest speaker for the Advance 'Complex' cadaveric strabismus course, Coventry, U.K. 4th and 5th of April 2019.
- 19) 'The use of Ranibizumab intravitreal injection in retinopathy of prematurity.' Guest speaker for the British Isles of Paediatric Ophthalmology and strabismus annual meeting in Edinburgh, U.K. 2nd of October 2019.
- 20) 'Just another case of sensory exotropia.' K. Ah-See, A. Lewis and T. Chan, Scottish Ophthalmological Club, Edinburgh, U.K. 14th of February, 2020.

REFERENCES: Available upon request.