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Name:

Dr Loh Boon Kwang

Specialty:

General Ophthalmology and Cataract Surgery

Subspecialty:

Adult and Paediatric Retina (Vitreoretinal Surgery, Laser and Intravitreal Injection)

Adult Retina Conditions - Retinal Detachment, Diabetic Retinopathy, Age-Related Macular Degeneration, Floater-Related Diseases

Paediatric Retina Conditions- Retinopathy of Prematurity, Familial Exudative Vitreoretinopathy, Persistent Fetal Vasculature, Coats Disease, Retinal Detachment in Children

Current Appointments:

1. Consultant Ophthalmologist, Ophthalmic Consultants Pte Ltd, Gleneagles Medical Centre
2. Visiting Consultant Ophthalmologist, Vitreoretinal Service, Singapore National Eye Centre
3. Visiting Consultant Ophthalmologist, KK Women's and Children's Hospital
4. Visiting Consultant Ophthalmologist, Changi General Hospital
5. Adjunct Research Fellow, Singapore Eye Research Institute

Previous Appointments (Most Recent):

1. Consultant, Vitreoretinal Service, Singapore National Eye Centre
2. Consultant, Comprehensive and Cataract Service, Singapore National Eye Centre
3. Consultant-in-charge, Paediatric Retina Development, Singapore National Eye Centre
4. Visiting Consultant Ophthalmologist, KK Women's and Children's Hospital
5. Visiting Consultant Ophthalmologist, Changi General Hospital

Professional Qualifications & Overseas Fellowship Training:

1. Associated Retinal Consultants, Michigan, USA (Michael Trese, Antonio Carpone Jr, Kimberly Drenser, George Williams), 2011
2. Vitreous, Retina and Macula Consultants of New York, New York, USA (Richard Spaide), 2011
3. Ministry of Health HMDP scholarship for Adult and Paediatric Vitreoretinal, 2011

4. Specialist Accredited in Ophthalmology, Ministry of Health, Singapore, 2009
5. Fellow Royal College of Surgeons of Edinburgh (Ophthalmology), 2009
6. Master of Medicine National University of Singapore, 2009
7. MBBS National University of Singapore, 1998

Professional Appointments & Memberships

1. Association of Paediatric Retinal Surgeons (USA)
2. American Society of Retinal Specialists
3. American Society of Cataract and Refractive Surgery
4. National University Singapore – Examiner for Master of Medicine (Ophthalmology) Exit Examination
5. Board of Reviewers for: American Journal of Ophthalmology, Annals Academy of Medicine, Archives of Ophthalmology, Indian Journal of Ophthalmology
6. Singapore Eye Research Institute – Adjunct Research Fellow
7. Royal College of Surgeons of Edinburgh
8. Singapore Society of Ophthalmology

Awards:

1. SPREE (Safety, Professionalism, Respect, Expert, Efficiency) Award 2013.
2. Best Poster 2nd Prize, European Vitreoretinal Society Meeting 2005, Orebro, Sweden.

Media Interviews:

1. Floaters and Flashes, *Jakarta Radio Cakrawala Mandarin Station FM98.3*, 15 April 2014.
2. Floaters and Flashes, *Singapore Health Services Newsletters*, 2014.
3. Retinal Detachment, *Prime Magazine*, December 2013 / January 2014 issue.
4. Haze-Related Eye Problems, 早安你好 *MediaCorp Channel 8*, 2013.
5. Why I Became An Ophthalmologist, *Hwa Chung Institute Journal*, Issue 2013.
6. Diabetic Retinopathy, *MediaCorp Radio FM 95.8*, 4 February 2013.
7. Age-Related Macular Degeneration, *MediaCorp Radio FM 95.8*, 25 February 2013.

Publications:

1. Lim F, Loh BK, G Cheung, LS Lim, D Wong, *Evaluation of Focal Choroidal Excavation in the Macula using Swept-Source Optical Coherence Tomography*, Eye 2014.

2. Wong CW, Wong WL, Yeo IY, [Loh BK](#), Wong EY, Wong DW, Ong SG, Ang CL, Lee SY. *Trends and Factors Related To Outcomes for Primary Rhegmatogenous Retinal Detachment Surgery In A Large Asian Tertiary Eye Centre*, Retina. 2014 Apr; 34(4):684-92.
3. Lim LS, Tsai A, Wong D, Wong E, Yeo I, [Loh BK](#), Ang CL, Ong SG, Lee SY, *Prognostic Factor Analysis of Vitrectomy for Retinal Detachment Associated with Myopic Macular Holes*, Ophthalmology. 2014 Jan; 121(1):305-10.
4. Kumar N, Mrejen S, Fung AT, Marsiglia M, [Loh BK](#), Spaide RF, *Retinal Pigment Epithelial Cell Loss Assessed by Fundus Autofluorescence Imaging in Neovascular Age-Related Macular Degeneration*, Ophthalmology 2013; 120:334-41.
5. Lai CM, Estcourt M, Himbeck RP, Lee SY, Yeo IYS, Luu C, [Loh BK](#), Lee MW, Barathi A, Villano J, Ang CL, van der Most RG, Constable IJ, Dismuke D, Samulski RJ, Degli-Esposti M and EP Rakoczy EP, *Preclinical Safety Evaluation of Subretinal AAV2.sFlt-1 in Non-Human Primates*, Gene Ther. 2012; 19:999-1009.
6. Cheung G, [Loh BK](#), Li X, Mathur R, Wong E, Lee SY, D Wong, Wong TY, *Choroidal Thickness and Risk Characteristics of Eyes with Myopic Choroidal Neovascularisation*, Acta Ophthalmol. 2013;91: e580-1.
7. [Loh BK](#), Lee SY, Cheng J, Yeo I, Wong D, Ang CL, *Intravitreal Bevacizumab for the Treatment of Myopic Choroidal Neovascularisation in an Asian Population*, Ann Acad Med Singapore. 2010; 39:493-4.
8. [Loh BK](#), Wong D, *Myopic Pre-foveoschisis - An Earlier Stage of Myopic Fveoschisis Documented by Optical Coherence Tomography*, Eye. 2010;24: 1107-9
9. Boey PY, Seah LL, [Loh BK](#), Rootman J, *Development of Thyroid-Related Orbitopathy following Cataract Surgery*. Orbit. 2009;28:383-7.
10. [Loh BK](#), Siak JJ, Wong E, Loh R, *Corneal Endotheliopathy Secondary to Adherent Triamcinolone Acetonide Endothelial Plaque following Triamcinolone Acetonide-assisted Posterior Vitrectomy for Myopic Foveoschisis*, Eye. 2009; 23:1742.
11. [Loh BK](#), Bacsal K, Chee SP, Cheng BC, Wong D, *Foveolitis Associated with Dengue Fever: A Case Series*, Ophthalmologica. 2008; 222:317-320.
12. [Loh BK](#), Chee SP, *Optical Coherence Tomography Findings in Acute Retinal Pigment Epitheliitis*, Am J Ophthalmol. 2007; 143:1071.
13. [Loh BK](#), Lee SY, Goh KY, *Protein S Deficiency Manifesting Simultaneously as Central Retinal Artery Occlusion, Oculomotor Nerve Palsy and Systemic Arterial Occlusive Diseases*, Eye. 2007;21: 684-6.

Research Presentations and Interests:

1. Retinopathy of Prematurity - Stage 5, *Association of Paediatric Retina, 5th Meeting, Los Cabo, Mexico*, 2014.
2. Vitreoretinal Surgery for Paediatric Retinal Diseases, *Franco-Viet Hospital, Vietnam*, 2013.
3. Autofluorescence of Paediatric Retina Diseases, *SNEC*, 2014.
4. Foveal Choroidal Excavation - Case Series, *SNEC*, 2013.
5. Vitreomacular Traction in Leber's Congenital Amaurosis - Case Report, *SNEC-AAPOS 2013*, Singapore.

6. Assessment and Vitrectomy of Paediatric Vitreo-Retinopathy, *AAPOS-SNEC Joint Meeting 2013*, Singapore.
7. Outer Retinal Tubulation - A Case Report, *SNEC*, 2013.
8. Sequential Imaging of Subretinal Fibrosis after Scleral Buckling Surgery - Case Report, *Singapore Malaysia Meeting 2013*, Kuala Lumpur, Malaysia.
9. Choroidal Thickness and Risk Characteristics of Eyes with Myopic Choroidal Neovascularisation, *SNEC*, 2013.
10. Retinal Pigment Epithelial Cell Loss Assessed by Fundus Autofluorescence Imaging in Neovascular Age-Related Macular Degeneration, *Vitreous Retinal Macular Consultants of New York*, 2012.
11. Modified Methods of Slings Recti Muscles during Scleral Buckling, *America Society of Retinal Specialists (ASRS), Las Vegas* 2012.
12. 23-Gauge Vitrectomy for the Management of Myopic Foveoschisis, *European Vitreo-Retinal Society (EVRS), Morocco*, 2009.
13. Macular Function of Myopic Foveoschisis, *SNEC*, 2009.
14. Vitrectomy for Vitreous Hemorrhage Secondary to Polypoidal Choroidal Vasculopathy, *America Society of Retinal Specialists (ASRS), Hawaii, USA* 2008.
15. Myopic Pre-foveoschisis – Documented with Optical Coherence Tomography before Progression to Myopic Foveoschisis, *SNEC* 2008.
16. Corneal Endotheliopathy Secondary to Adherent Triamcinolone Acetonide Endothelial Plaque Following Triamcinolone Acetonide-assisted Posterior Vitrectomy for Myopic Foveoschisis, *CGH*, 2008.
17. Audit of Patients' Knowledge of Diabetic Retinopathy in a Tertiary Hospital, *CGH*, 2007.
18. Macular Hole assessment with Multifocal Electroretinography & Optical Coherence Tomography after Vitrectomy, *SNEC*, 2007.
19. Development of Thyroid-Related Orbitopathy following Cataract Surgery, *SNEC International Meeting "Orbit Unlimited"*, 2008.
20. Optical Coherence Tomography of Idiopathic Polypoidal Choroidal Vasculopathy., *SNEC*, 2007.
21. Intralase LASIK Flap Thickness Assessment with Anterior Segment Optical Coherence Tomography, *SNEC*, 2007.
22. Preclinical *In Vivo* Evaluation of sFLT Secretion Gene Therapy for Choroidal Neovascularisation, *SNEC*, 2006.
23. Subretinal Infusion During 23 Gauge Vitrectomy, *European Vitreo-Retinal Society (EVRS) 2007, Venice, Italy*.
24. Cone-Rod Dystrophy Presenting as Diabetic Retinopathy and Maculopathy, *SNEC*, 2007.
25. Long Term Outcomes of Glaucoma Surgeries for Refractory Post-keratoplasty Glaucoma in Asian Eyes, *SERI/ARVO 2006, Singapore; ARVO 2007, Fort Lauderdale, Florida, USA; World Glaucoma Congress 2007, Singapore; SNEC Audit 2007*.
26. Dengue Fever-Associated Foveolitis, *European Vitreoretinal Society Meeting 2005, Orebro, Sweden and Association for Research in Vision and Ophthalmology (ARVO) 2006, Fort Lauderdale, USA*.
27. Protein S Deficiency and Arterial Occlusive Diseases in a 28 year old Male, *CGH*, 2006.

28. Cancer Associated Retinopathy, *SNEC International Meeting 2003*, Singapore.
29. Hypertensive Retinopathy, *SNEC International Meeting 2004*, Singapore.
30. Leber's Hereditary Optic Neuropathy, *SNEC 2005*.
31. Visual Impairment in Pituitary Adenoma, *SNEC International Meeting 2002 in conjunction with the WORLDEYES International Meeting*, Singapore.
32. Traumatic Optic Neuropathy. *SNEC International Meeting 2002 in conjunction with the WORLDEYES International Meeting*, Singapore.
33. Pressure Phosphenes Tonometer – *Clinical Comparison with Goldman Applanation Tonometry in Asian Eyes, CGH, 2002*.

Teaching Courses:

1. Combined Phaco-Vitreotomy: Tips and Tricks, *Course instructor. America Society of Retinal Specialists (ASRS) 2012 and 2013*.
2. Vitreoretinal Course for Ophthalmologists, *Course Instructor, International Ophthalmology Congress 2013*, Singapore.
3. Paramedical Ophthalmology Course. *Course Coordinator, Asia Pacific Vitreo Retinal Society 2010*, Singapore.

Committees:

1. Medical Assistance Funding Committee, *Singapore National Eye Centre, 2014*.
2. Steering Committee for Integrated Eyecare (Diabetic Retinopathy), *SGH Outram Campus, 2013*.
3. Pharmaceuticals and Therapeutics Committee, *Singapore National Eye Centre, 2013*
4. Infection Control Committee, *Singapore National Eye Centre, 2011*.
5. Co- Chairman, Logistics Subcommittee, Organising Committee, *Asia Association of Research in Vision and Ophthalmology (ARVO)*, Singapore, 2011.
6. Tissue Audit Committee (Vitreoretinal), *Singapore National Eye Centre, 2011*.