

## **TRACKING EYE CONDITIONS FOR BETTER CARE**

An anterior segment camera system will improve the quality of care at Sydney Eye Hospital

Eye specialists have to be able to see what's happening within the eye and need a way to capture what they see, so they can track the progress of eye conditions.

Ophthalmologists rely on image-based data to accurately diagnose and monitor improvements and deterioration of the eye.

An anterior segment camera system is one of the best ways available to do that for the front portions of the eye. The camera is mounted on a slit-lamp and photos are stored on a computer database.

At the moment, Sydney Eye Hospital has only one anterior segment camera, located at the general Outpatient Department. It is used by the outpatient clinic, emergency department and the Save Sight Institute, which is too far away to be used by doctors treating acute patients on the eye ward.

Recorded images are fundamental to ensure quality clinical care for patients. They provide a clear, accurate way to document and communicate disease progression effectively. Doctors can quickly pick up when a condition is worsening, so they can take early action.

***"A clear, accurate way to document and communicate disease progression effectively."***

Without clear, accurate images, doctors have to rely on their memory of what lesions looked like on previous occasions, or on inaccurate drawings. Also, conveying visual information to other doctors is fraught with difficulties and potential for misinterpretation.

Some doctors try to take photos with their smart phones but this yields poor quality, out of focus and inadequately illuminated images with low or no magnification. There are also privacy issues which are much better managed in the purpose-designed database in the anterior segment camera system, which allows filtered searches by patient and diagnosis.



## **BEFORE AND AFTER AN OPERATION**

An anterior segment camera system has become an essential equipment for doctors caring for acute patients on the ward at Sydney Eye Hospital.

Eye infections, corneal graft rejections and other diseases progress at different speeds, often unpredictably. Accurate images will enable doctors to monitor progress and adjust treatment accordingly and respond to deterioration quickly.

Patients about to have surgery are reviewed for lesions on the cornea, ocular surface or iris, such as scars, cancers and transplants. Documenting this information via the anterior segment camera will provide a permanent record of the condition of the eye.

The ocular pathology stored on the image database will enable consultants and registrars to objectively assess the outcome of interventions and audit their clinical practice, leading to improvements.

Recorded images are also a central tool used for teaching ophthalmology registrars, and for sharing knowledge through case presentations and clinical research.

## **THE CURRENT SYDNEY EYE HOSPITAL FOUNDATION FELLOWS ARE:**



### **DR SWEE CHOO**

*Dr Eddie Donaldson Vitreoretinal Fellow*

Dr Swee Ying Choo completed her medical and Ophthalmology training in Malaysia. Her passion for cataract surgery has led her to exploring the back of the eye. In July 2014, Swee Ying started her Vitreoretinal Fellowship in Hospital Kuala Lumpur and the National Retinal Centre in Malaysia. Currently, she is expanding her exposure and experience in

Vitreoretinal training at the Sydney Eye Hospital. Swee Ying felt privileged to be given an opportunity to learn from a team of world-renowned experts of Vitreoretina at Sydney Eye Hospital. She hopes to refine and perfect her clinical and surgical skills in Vitreoretinal surgeries and management of diseases of the retina and vitreous. Upon completion of her fellowship, she intends to return to Malaysia to work in a Retina Unit in a public hospital and provide quality surgical and medical care to patients with retinal disease.



### **DR AARON JOE**

*Medical Retinal Fellow*

Dr. Aaron Joe completed his Ophthalmology training in Vancouver, Canada. He has an interest in regenerative medicine and translational research, and completed a joint MD/PhD at the University of British Columbia prior to his Ophthalmic training. Aaron is very excited to have the opportunity to work with the world-renowned Medical Retinal team at

Sydney Eye Hospital. He hopes to attain clinical, procedural and research excellence during this fellowship to allow him to flourish in the next steps of his career. After completing his fellowship training, he plans to return to Canada to work as an academic retinal specialist in a University setting.



### **DR NATASHA SPITERI**

*CORNEAL FELLOW*

Dr Spiteri completed her Ophthalmic specialist training in Liverpool, UK, and has a special interest in cornea and anterior segment disease. She has previously undertaken clinical research, particularly in the area of corneal neovascularisation and anterior segment angiography, and is keen to be involved in further research work throughout

this fellowship. She has invested much time in teaching and training in the past, and hopes to be able to continue this during her time spent in Sydney. She is eager to refine her clinical and surgical skills in cornea under the mentorship of the esteemed cornea team at the Sydney Eye Hospital, to provide a high quality cornea service upon completion of the fellowship. She is also very excited about discovering Sydney and exploring further afield with her family, who have come along for the adventure.



### **DR CORNELIUS NASSER**

*Clinical Research Vitreoretinal Fellow*

Cornelius completed five years of Ophthalmology training and one year of Vitreoretinal fellowship in Israel. He was awarded a scholarship funded by The Ross Foundation for Vitreoretinal Fellowship. He has moved to Sydney with his wife and three children. Cornelius is excited about the opportunity to work alongside some of the

world leaders in the field of Vitreoretinal surgery. He is eager to learn and improve his clinical and surgical skills as well as engage in research activities. He is looking forward to exploring and enjoying Sydney with his family.



### **DR MANON MORRIS**

*Oculoplastic Fellow*

Manon recently completed seven years of Ophthalmic specialist training in Liverpool in the UK. She has moved to Sydney, from North Wales, with her husband and two children. Manon is looking forward to further developing her clinical and surgical skills in oculoplastics over the coming year. She is eager to learn new surgical techniques from

the experienced Oculoplastic surgeons at the Sydney Eye Hospital. Manon hopes to obtain a consultant post in the NHS on her return to the UK next year. Manon and her family are looking forward to exploring Sydney and enjoying the warmer weather in Australia over the next 12 months.



### **DR GENEVIEVE OLIVER**

*Graham Lovett Vitreoretinal Fellow*

Genevieve completed her medical and ophthalmic training in New Zealand. In 2014 she trained in manual small incision cataract surgery at LV Prasad Institute in Hyderabad, India, and Mechi Eye Hospital in Nepal. She spent the rest of her year in Timor Leste with the support of The Fred Hollows Foundation, Hobart Eye Surgeons and The Eye Surgeons' Foundation. Genevieve also worked at the National Eye Institute in Dili where she was

involved in teaching ophthalmology registrars, research and capacity building. In 2015, Genevieve undertook a fellowship in Medical and Surgical Retina at Flinders Medical Centre in South Australia. Genevieve is delighted to be here at the Sydney Eye Hospital where she is learning from world-class ophthalmologists.



**DR ROLAND HÖLLHUMER**

*Anterior Segment*

Dr Höllhumer completed his specialist training in Ophthalmology with the Colleges of Medicine of South Africa. He has a Master of Medicine with the University of the Witwatersrand and is furthering his experience in cornea and anterior segment at the Sydney Eye Hospital this year. Dr Höllhumer holds a consultant post at St John

Eye Hospital in South Africa and looks forward to putting his newly acquired skills and knowledge to use when he returns at the end of the year.



**DR ELINE WHIST**

*Professorial (Uveitis) Fellow*

Eline is originally from Norway but undertook her Ophthalmology training at the Sydney Eye Hospital. In the first half of 2016 she completed a fellowship with the Fred Hollows Foundation, divided between Alice Springs Hospital and the Pacific Eye Institute, Fiji, where she trained in manual small incision cataract surgery and played an active role

teaching local trainees. She is thrilled to return to Sydney Eye Hospital and have the privilege to work with and learn from this world-renowned Ophthalmology unit. Eline has a strong interest in Ophthalmology in developing world and resource poor settings. Eline is moving back to Darwin at the end of her fellowship, and plans to continue her career in rural and remote parts of Australia and the Asia-Pacific region, working as a general ophthalmologist while cultivating her sub-specialty interests in uveitis and medical retina.



**DR ALON ZAHAVI**

*Glaucoma Fellow*

Dr Alon Zahavi joined the Glaucoma team in August 2016. He completed his ophthalmology training at the Rabin Medical Center, Israel. Alon is interested in research, complex patient management, and surgical techniques in glaucoma. Alon is looking forward to working with the Glaucoma team at Sydney Eye hospital, and to enhance his

knowledge and skills. Together with his family they are excited to explore Sydney and Australia during their time here. At the end of the fellowship Alon plans to return to Israel to work as a Glaucoma consultant.

## CURRENT FOUNDATION FELLOWSHIPS

The Sydney Eye Hospital Foundation funds a number of Fellowships involving the following specialist units: Retinal, Glaucoma, Corneal, Oculoplastics, Intra-Ocular Implant and Professorial Clinical Fellowships on the Sydney Eye Hospital campus.

Candidates (Eye Doctors) for these Fellowships come from overseas. Each position is for 12 months and includes a research component. Sydney Eye Hospital benefits in many ways from these programs, including clinical research and publication, both nationally and internationally.

Sydney Eye Hospital is a teaching hospital and has a continuing program in place to teach qualified doctors to become Eye Specialists. These Registrars benefit in their training from the availability of already qualified Eye Doctors who are engaged full time for the period of their Fellowship.

***“Sydney Eye Hospital has a continuing program IN PLACE to teach qualified doctors to become Eye Specialists.”***

Some of these Fellows are from developing countries and return to their country with improved skills from their 12 months in this fully operational Eye Hospital.



**Sydney eye**

HOSPITAL FOUNDATION



## A BEQUEST IN YOUR WILL IS A GIFT THAT KEEPS GIVING AFTER YOU PASS ON

It's a way of ensuring that the assets (money, property, shares or valuables) that you need now will eventually be used to help the Sydney Eye Hospital Foundation save sight. It's something that you can arrange in addition to – or instead of – giving cash right now.

By making a Bequest, you will be in good company. Bequests from donors, like Neville G who has provided \$600,000 towards the equipment for the new Bicentennial Clinic that was opened earlier this year, have made a significant difference to our patient outcomes, with the ability to make earlier diagnoses with state of the art equipment.

Bequests are a major source of income that help the Foundation provide much needed research and advanced equipment to help in the diagnosis of Macular and Corneal diseases.

The main advantage of the Bequest system is that it allows donors of all means to make a valuable donation to the Foundation in the knowledge that their generosity will help save the sight of thousands of adults and children who come to the Hospital for help each day.

Should you decide to make a Bequest to Sydney Eye Hospital Foundation, clear instructions in your Will are necessary to ensure your wishes are carried out.

*If you would like more information please contact* the Foundation on (02) 9382 7408 or email: [bequest@sehf.org.au](mailto:bequest@sehf.org.au)  
We will be pleased to assist.

## *Sydney Eye Hospital Foundation Board of Management*

All Members of the Board of Management are financial members of the Foundation. They also give their time freely in the interests of enhancing the ability of Sydney Eye Hospital to provide first class eye care to the public of Sydney and beyond.

### *Current Board Members:*

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*All donations over \$2.00 are tax deductible, a receipt will be sent to you shortly.*

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## YES! I WANT TO HELP GIVE THE GIFT OF SIGHT TO SYDNEY EYE HOSPITAL PATIENTS

PLEASE ACCEPT MY GIFT OF: ☐ \$50 ☐ \$35 ☐ \$100 ☐ OR MY CHOICE OF \_\_\_\_\_

☐ My cheque/money order is enclosed. Made payable to: SYDNEY EYE HOSPITAL FOUNDATION.

OR ☐ Please debit the above amount to my: ☐ VISA ☐ MASTERCARD

Card No. \_\_\_\_\_  
Cardholder's name \_\_\_\_\_

Signature \_\_\_\_\_ Expiry Date \_\_\_\_ / \_\_\_\_

OR ☐ Please deduct \$ \_\_\_\_\_ each month from my credit card until I advise otherwise.

*Yes, I would like further information on* (PLEASE TICK)

- ☐ Bequests ☐ Planned Giving (eg: monthly) ☐ Volunteering  
☐ I have already included Sydney Eye Hospital Foundation in my Will

**THANK YOU FOR YOUR GENEROSITY.**