

Lumera 700

Thanks to generous donors who responded to our appeal, we have been able to support the purchase of a ceiling-mounted Lumera 700 retinal viewing system.

The Lumera 700 results in safer and more accurate surgery, with more reliable results for people undergoing retina, cornea and cataract operations.

The Lumera 700 has been purchased for the Sydney Eye Hospital's operating theatre and is now set for installation in June 2016. But major works have to be undertaken before this can occur. Steel structures have to be installed to support the heavy equipment, which can only be done when there are no operations scheduled. The works have caused the anticipated cost of the new equipment to increase. **The foundation is still appealing for donations to fund the Lumera 700's installation and could use your help.**

Surgeons are looking forward to the day they can use the new technology.

The fully integrated system allows pinpoint precision, fast focus and seamless workflow during operations, which can be completed more quickly and without interruptions for equipment adjustments. It all adds up to reduced risk and better outcomes for patients, especially people undergoing retinal or cataract treatment.



Did You Know?

- ▶ **Sydney Eye Hospital accommodates Australia's largest ophthalmology registrar training program**
- ▶ **The new Sydney Eye Hospital Pharmacopoeia App used by pharmacists and clinicians is available, free, for Apple and Android mobile devices**
- ▶ **In 2015, Sydney Eye Hospital provided:**
 - **18,541 eye emergency admissions**
 - **5,617 surgical procedures**
 - **48,149 outpatient visits**

If you would like to donate to the Sydney Eye Hospital Foundation and help us support world-class eye treatment, kindly fill out the enclosed response slip and return it with your donation in the reply paid envelope provided.

To make a donation by telephone or online, call (02) 9382 7408 or visit us at

www.sydneyeyehospitalfoundation.org.au/donate

We thank you for your generous support.



SYDNEY EYE HOSPITAL FOUNDATION

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**Proudly Supporting
World-Class
Eye Treatment
at Sydney Eye Hospital**



www.sydneyeyehospitalfoundation.org.au

Sydney Eye Hospital Foundation

is a key partner of Sydney Eye Hospital, raising funds that help maintain the hospital's status as a world-class centre of excellence in specialist ophthalmic services.

The Foundation helps to fund new technology and ground-breaking research, treatment and therapy techniques.

This brochure details some of the Sydney Eye Hospital projects that have benefitted from the foundation's funding.

Sydney Eye Hospital services include consultation, diagnosis and treatment for adults and children. It is the only eye emergency department in New South Wales and is located in the grounds of Australia's first and oldest hospital built in 1788 (the Sydney Eye Hospital).

Sydney Eye Hospital employs the resources of:

- ▶ 58 ophthalmologists
- ▶ 37 registrars and 8 fellows
- ▶ 108 nurses
- ▶ 8 orthoptists



Keratoprosthesis

The Sydney Eye Hospital was the first in Australia to implant the Boston Keratoprosthesis (K-Pro), a plastic optical device to focus light, which is mounted in human tissue and then integrated into the front of the patient's eye.

The K-Pro is a solution for people with corneal blindness whose eyes don't respond to a corneal transplant.

Five people have benefitted from a Boston Type 1 K-Pro implant so far. Marie Robinson was the first. Marie's body had rejected two corneal grafts and the K-Pro, implanted in 2014, has allowed her to enjoy navigational vision and improved independence.

Alfred Lee was the second K-Pro recipient in 2014. He had been blind since 1968 with damage to his cornea that did not respond to other treatments. The last time we checked Alfred's vision it was at 6/12 – the standard of sight required for driving.

Sandra Cooper was our next recipient and she now enjoys navigational vision of 6/36 or better.

Sandra Bridges, another patient who has benefited from the K-Pro implant, has had her vision lifted to 6/18, which is close to driving standard. She is thrilled with her results and can now participate actively in her grandchildren's

homework. Since her successful surgery, Sandra has agreed to be a spokesperson for Lions NSW Eye Bank.

Frances Laver is our most recent K-Pro recipient. Her five-hour procedure this year, involving three surgical teams, had not been attempted in Australia before. For the first time in 46 years, clinicians were able to see the back of her eye. Since the operation, swelling has recently subsided. **Frances' sight has improved enough to see her children for the first time ever. This momentous reunion with her children took place on Friday 6 May 2016. As Frances says, this was the best Mother's Day gift she could have ever asked for.** Sydney Eye Hospital was able to make this possible, thanks to support of the Foundation and people like you.

K-Pro Expansion

In the next few months, Sydney Eye Hospital will expand the K-Pro program to include the osteo-odonto K-Pro, a complex two-stage operation to restore vision for people with the most severe corneal problems that have failed to respond to all other treatments.

In this procedure, the patient's canine tooth is extracted to house the artificial cornea. The tooth is shaped to allow implantation of the device. Once it settles, the combined package is implanted into the patient's eye.

A surgical team from the Sydney Eye Hospital will visit Germany and the UK in 2016 and India in 2017 to train in this technique.

