

# OUR DOCTORS



## Dr Jack Kane

MBBS MMed FRANZCO

**Dr Jack Kane is an internationally renowned expert in cataract surgery and a comprehensive general ophthalmologist. He is also skilled in the surgical management of pterygia.**

A key opinion leader for technological advances in cataract surgery, Dr Kane is widely published and highly cited. He created an algorithm for selection of the lens power in cataract surgery (the 'Kane formula') that is the international gold standard and has been used millions of times worldwide.

In his practice, Dr Kane uses a personalised approach, recognising that each patient's eyes and visual requirements are unique. His expertise in a broad range of lens technologies allows him to match the most appropriate technology to each patient's needs. A product of his upbringing in Echuca, Dr Kane's easy-going and friendly nature allows patients to relax and make an informed decision about their eye care.

### BACKGROUND

Dr Kane completed his medical degree at The University of Melbourne followed by a Master of Medicine in Ophthalmic Science through The University of Sydney. While at The University of Sydney, he received the Anthony Molteno Prize for Ophthalmic Optics, awarded to the top-ranked candidate in the Master of Medicine (Ophthalmic Science). Subsequently, Dr Kane undertook specialist ophthalmology training at the Royal Victorian Eye and Ear Hospital, where he won the cataract surgery prize. To further advance his surgical skill, Dr Kane undertook two additional fellowship positions in cataract surgery at The Alfred Hospital and The Queen Elizabeth Hospital in Adelaide.

Dr Kane's main research focus is on intraocular lens (IOL) power calculation. His papers include many of the formative works shaping understanding of IOL selection for modern cataract surgery. His own algorithm for selecting the IOL power has been shown to be the most accurate formula in over 25 peer-reviewed articles. It has been used millions of times worldwide through a free-to-use website ([www.iolformula.com](http://www.iolformula.com)) and is licensed to many of the major ophthalmic companies for use within their measurement devices. Dr Kane is also a peer reviewer for *Ophthalmology*, *Journal of Cataract and Refractive Surgery*, *Journal of Refractive Surgery* and *American Journal of Ophthalmology*.

Dr Kane is one of the directors of a software development company (Lochan LLC) focused on using artificial intelligence to bring powerful software tools to surgeons worldwide. Lochan LLC has been contracted to develop the cloud-based platform for Bausch & Lomb.

An award-winning speaker, Dr Kane is regularly invited to lecture internationally. In 2017, he was awarded Best Paper of the Session at the American Society of Cataract and Refractive Surgery Annual Meeting. He was also the recipient of the McBride White award for best scientific paper at the Melbourne Ophthalmic Alumni meeting the same year.



## CAREER HIGHLIGHTS

- Creator of the Kane formula for intraocular lens (IOL) power calculation
- Director of Lochan LLC

## PROFESSIONAL MEMBERSHIPS

- Fellow of the Royal Australian and New Zealand College of Ophthalmologists (RANZCO)
- Member of the American Society of Cataract and Refractive surgeons
- Member of the European Society of Cataract and Refractive Surgeons
- Member of the IOL Power Club
- Member of the Refractive Surgery Alliance

## AWARDS

- Cataract Surgery Prize at The Royal Victorian Eye and Ear Hospital (2019)
- Best Paper of Session at the American Society of Cataract and Refractive Surgery Annual Meeting (2017)
- McBride White award for best scientific paper at the Melbourne Ophthalmic Alumni meeting (2017)
- McBride White award for best presentation at the Melbourne Ophthalmic Alumni Meeting, Melbourne (2016)
- Best Paper of Session – Cataract IOL Power Calculations at the American Society of Cataract and Refractive Surgery Congress, New Orleans (2016)
- Anthony Molteno Prize for Ophthalmic Optics (2014)

## LOCATIONS

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