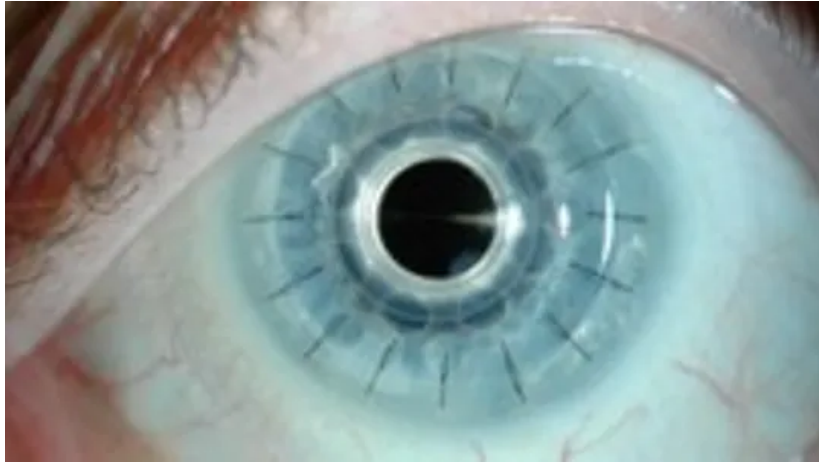


Nashville eye doctor performed world's first artificial cornea implantation

Dr. Ming Wang, MD, PhD and Dr. Joshua Frenkel, MD, MPH, Wang Vision Institute Published 5:00 a.m. CT March 16, 2020



Pictured is the artificial cornea used by Dr. Ming Wang in the world's first laser artificial cornea implantation. (Photo: Wang Vision Institute)

Wang Vision 3D Cataract & LASIK Center performed the world's first laser-assisted artificial cornea implantation and restored eyesight in a 42-year-old gentleman who had been blind for 38 years.

Artificial cornea is a new technology used to restore eyesight in patients who were previously told that their blindness was irreversible and that they had no chance to ever be able to see anything again.

We have conducted research on the application of an ultra-precise femtosecond laser (1 femtosecond is 0.00000000000001, or one-quadrillionth, of a second) in artificial cornea implantation, and have successfully performed the first such procedure in the world. Many patients from around world have come to Wang Vision (<https://adserver.pressboard.ca/c/link?l=226856&ref=https%3A%2F%2Fwww.tennessean.com%2Fstory%2Fsponsor-story%2Fwang-vision-institute%2F2020%2F03%2F16%2Fnashville-eye-doctor-performed-worlds-first-artificial-cornea-implantation%2F5000176002%2F&w=174254&s=254733&p=18707&uid=53b69cf2-9b5d-4e1d-8173-84ad278dbbe5&tz=-5>) to have a chance to see again.



This article is **FREE** to your community.
Only \$3 for 3 months. Save 90%.

in the world's first laser artificial cornea implantation. (Photo: Wang Vision Institute)

Dr. Ming Wang, Harvard & MIT (MD, magna cum laude); PhD (laser physics), is the CEO of Aier-USA and Director of Wang Vision 3D Cataract & LASIK Center. He has received many honors including the Honor Award from the American Academy of Ophthalmology, the Lifetime Achievement Award from the Association of Chinese American Physicians, and Kiwanis Nashvillian of the Year Award for this lifetime dedication to help blind orphan children worldwide.

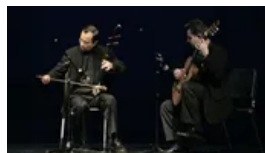
Dr. Joshua Frenkel, MD, MPH, is a graduate of the prestigious Tulane University, where he earned both his medical degree and a Master of Public Health. He completed an advanced anterior segment fellowship at a top fellowship in the country, with an emphasis on micro-invasive glaucoma surgery (MIGS). Dr. Frenkel specializes in a wide range of laser eye surgeries, including LASIK, SMILE and those for glaucoma and cataracts. He is also a dry eye and corneal specialist.

Wang Vision doctors (<https://adserver.pressboard.ca/c/link?l=226856&ref=https%3A%2F%2Fwww.tennessean.com%2Fstory%2Fsponsor-story%2Fwang-vision-institute%2F2020%2F03%2F16%2Fnashville-eye-doctor-performed-worlds-first-artificial-cornea-implantation%2F5000176002%2F&w=174254&s=254733&p=18707&uid=53b69cf2-9b5d-4e1d-8173-84ad278dbbe5&tz=-5>) (Drs. Joshua Frenkel, Marianne Johnson, Julianne Koch, Nathan Rock and Ming Wang) have performed over 55,000 procedures (including on over 4,000 doctors). They have published nine textbooks, hold several U.S. patents and performed the world's first laser artificial cornea implantation. Wang Vision is currently the ONLY center in the state that performs 3D SMILE & 3D LASIK (18+), 3D Implantable Contact Lens (21+), 3D Forever Young Lens (45+) and 3D Laser Cataract Surgery (60+). They have founded a 501c(3) nonprofit charity, Wang Foundation for Sight Restoration, which to date has helped patients from over 40 states in the U.S. and 55 countries with all sight restoration surgeries performed free-of-charge.

Members of the editorial and news staff of the USA TODAY Network were not involved in the creation of this content.

Read or Share this story: <https://www.tennessean.com/story/sponsor-story/wang-vision-institute/2020/03/16/nashville-eye-doctor-performed-worlds-first-artificial-cornea-implantation/5000176002/>

MORE STORIES FROM WANG VISION INSTITUTE (/SPONSOR-STORY/WANG-VISION-INSTITUTE/)



[\(/story/sponsor-story/wang-vision-institute/2020/01/21/celebrate-lunar-new-year-live-music-performed-nashville-eye-doctor-jan-23/4493794002/\)](/story/sponsor-story/wang-vision-institute/2020/01/21/celebrate-lunar-new-year-live-music-performed-nashville-eye-doctor-jan-23/4493794002/)

Ring in the Lunar New Year with sounds of the erhu on Jan. 23 (</story/sponsor-story/wang-vision-institute/2020/01/21/celebrate-lunar-new-year-live-music-performed-nashville-eye-doctor-jan-23/4493794002/>).

Story from Wang Vision Institute



[\(/story/sponsor-story/wang-vision-institute/2019/12/16/worlds-first-amniotic-membrane-contact-lens-created-nashville/2630706001/\)](/story/sponsor-story/wang-vision-institute/2019/12/16/worlds-first-amniotic-membrane-contact-lens-created-nashville/2630706001/)

Wang Vision invented amniotic membrane contact lenses (</story/sponsor-story/wang-vision-institute/2019/12/16/worlds-first-amniotic-membrane-contact-lens-created-nashville/2630706001/>).

Story from Wang Vision Institute

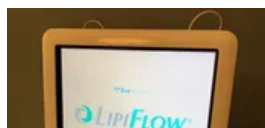


[\(/story/sponsor-story/wang-vision-institute/2019/11/18/performing-first-3-d-lens-surgery-and-laser-trifocal-implantation-state/2575760001/\)](/story/sponsor-story/wang-vision-institute/2019/11/18/performing-first-3-d-lens-surgery-and-laser-trifocal-implantation-state/2575760001/)

Eye doctor performs 2 new surgeries in the state (</story/sponsor-story/wang-vision-institute/2019/11/18/performing-first-3-d-lens-surgery-and-laser-trifocal-implantation-state/2575760001/>).

Eye doctor performs 2 new surgeries in the state (</story/sponsor-story/wang-vision-institute/2019/11/18/performing-first-3-d-lens-surgery-and-laser-trifocal-implantation-state/2575760001/>).

Story from Wang Vision Institute



[\(/story/sponsor-story/wang-vision-institute/2019/10/21/nashville-eye-doctors-offer-ton-](/story/sponsor-story/wang-vision-institute/2019/10/21/nashville-eye-doctors-offer-ton-ibomian-)

This article is FREE to your community. Only \$3 for 3 months. Save 90%.

[ibomian-](#)

Advanced treatment for dry eye, meibomian gland dysfunction (/story/sponsor-story/wang-vision-institute/2019/10/21/nashville-eye-doctors-offer-top-treatments-dry-eye-meibomian-gland-dysfunction/3978364002/).

Story from Wang Vision Institute