

New Approach for Corneal Healing

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A TOTAL OF +200 IMPLANTATIONS, Beyond 5 Years OF Follow-up EndoArt® was found to be safe with no device-related SAE Phase II interim results: Vision – 58% 6 months post-op improved in 2 lines* or more Eye Pain** – 77% of the patients improved from baseline by more than 20 points



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EndoArt is under Breakthrough designation

Agreement on IDE submission for single arm pivotal Study (planed July 2023)

EndoArt is CE approved, 1st paid (and reimbursed EndoArt shipped, June 2023)



EndoArt is under Innovation Path (Green Channel) Agreement with NMPA on the initiation of Pivotal trial. Approval to commercialize in Hainan.

The Solution: EndoArt®

Ready to use

Treats only root cause of corneal edema

Leaves cornea intact





Mechanism of Action

- Impermeable barrier to fluid
- ✓ Decrease passive movement of aqueous humor into corneal stroma
- Restores fluid homeostatic balance in stroma



Result: Decrease of corneal edema. More than 3 years of human safety & efficacy



Global Use Model

FAILURE AFTER FIRST GRAFT

- Failure rates after 1st failed cornea transplant: 26.7% after 12 month, 42.3% after 4 years1
- EK in eyes with AC IOL: 25% in 3 years, 39% in 5 years³
- EK in eyes with neovascularization: 30% in 3 years, 64% in 9 years⁴
- Regrafting is the third most common indication in the US, and the fastest growing
- Potential regraft patients are not currently considered for a repeat regraft

PATIENT SUITABILITY - GLAUCOMA SURGERY

- Failure post Glaucoma surgery: **25%** at 12 months, **73%** at 4 years²
- How common is Glaucoma surgery? 325,000⁵, 40% CAGR in the US (significant growth in the US and EU)
- IOO patients who need transplant today, all receive human tissue with low expectations of success

PATIENT PREFERENCE

Given the choice, patients would prefer synthetic over human tissue, patients would also like to have less waiting time prior to $surgery^7$

OFF THE SHELF

How common is damaged/inadequate human tissue at time of surgery^{6,7}

LACK OF TISSUE (ROW developing markets): 1 human tissue for every 70 patients⁸

Global Intended Use Population

^{1.} Zafar S. et al. Postoperative complications in medicare beneficiaries following endothelial keratoplasty surgery. Am J Ophthalmol 2020;219:1–11.

^{2.} Sorkin N, Mimouni M, Kisllevsky E, Boutin T, Cohen E, Trinh T, Santaella G, Slomovic AR, Chan CC, Rootman DS. Four-Year Survival of Descemet Membrane Endothelial Keratoplasty in Patients With Previous Glaucoma Surgery. Am J Ophthalmol. 2020 Oct;218:7-16. doi: 10.1016/j.ajo.2020.05.020. Epub 2020 May 22. PMID: 32446739

^{3.} Mehta, J. S. et al. Endothelial keratoplasty with anterior chamber intraocular lens versus secondary posterior chamber intraocular lens. doi:10.1136/bjophthalmol-2020

^{4.} THE AUSTRALIAN CORNEAL GRAFT REGISTRY 2015 REPORT KA Williams, MC Keane, RA Galettis, VJ Jones, RAD Mills and DJ Coster Department of Ophthalmology, Flinders University South

^{5.} https://www.ophthalmologyglaucoma.org/article/52589-4196(21)00085-5/fulltext

^{6.} KOL Interviews

^{7.} Market Research

^{8.} Gains, Global Survey of Cornea Implantation and Eye Banking, JAMA Ophthalmology. 2016;134(2):167-173.

Value Proposition

Donor Tissue

Availability	Limited, geographically dependent
Cost	2,000 – 2,500 euro for pre-cut cornea Financial burden on healthcare systems (eye banks, special storage and handling conditions)
Ease of use	Human tissue is difficult to handle
Physician	Specialized cornea surgeons, ~ 450 in the EU
Learning Curve	Very long, up to 2 years, at least 70 surgeries
Procedure time	Lengthy, human tissue is challenging to work with
Shelf life of Material	Human donor tissue, 2 weeks Shelf Life, long term durability unknown
Side effects	Failed Graft: up to 15% (first surgery), 30% after first failed Graft (2 nd attempt)
Post Treatment	Can reach to Lifetime (steroids, rejection medicine)

EndoArt®

Long shelf life, immediately available Low manufacturing costs, commercially priced below human tissue Simple, resilient, minimal invasive Any anterior segment surgeon (>100K) Short learning curve for Cornea Surgeon, 3-4 procedures Very short, up to 10 minutes Artificial polymer, permanent implant, SL of years No rejection, no possible infection 6 weeks

