

Amniotic Membrane Therapy Clinical Research & Supporting Evidence

Clinical Overview & Guidelines

These articles outline the growing role of amniotic membranes in modern eye care, particularly in managing dry eye disease, inflammation, and corneal surface damage.

<https://www.optometrytimes.com/view/guideline-redefines-amniotic-membrane-s-role-in-ocular-surface-disease>

<https://www.optometrytimes.com/view/amniotic-membranes-clinical-use-for-anterior-segment-disease>

How Amniotic Membranes Work

Amniotic membranes support healing by reducing inflammation, promoting regeneration of the ocular surface, minimizing scarring, and acting as a protective barrier.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4094946/>

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3087122/>

<https://www.nature.com/articles/s41598-020-73672-2.pdf>

Dry Eye & Ocular Surface Disease

Clinical studies show improvements in moderate-to-severe dry eye symptoms, reduced corneal staining, and relief when traditional treatments are insufficient.

<https://www.frontiersin.org/journals/medicine/articles/10.3389/fmed.2022.836873/full>

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6636787/>

<https://optometricmanagement.com/issues/2020/july/educate-on-ded-therapeutics/>

Clinical & Surgical Applications

Used in persistent epithelial defects, post-procedure recovery, and complex ocular surface conditions.

<https://synapse.koreamed.org/articles/1010549>

<https://www.sciencedirect.com/science/article/abs/pii/S0002939422004986>

Corneal Healing & Regeneration

Research shows faster healing, reduced recurrence of epithelial damage, and improved patient comfort.

https://www.researchgate.net/profile/Hosam-Sheha/publication/295688896_Self-retained_Amniotic_Membrane_Transplantation_for_Recurrent_Corneal_Erosion

Recent & Ongoing Research

Ongoing studies support long-term safety, expanded indications, and integration into standard care.

<https://www.mdpi.com/1648-9144/60/6/985>

<https://pubmed.ncbi.nlm.nih.gov/34093006/>

<https://www.aao.org/education/ophthalmic-technology-assessment>

Key Takeaways

Amniotic membrane therapy is a clinically supported regenerative treatment used for dry eye, inflammation, and corneal healing.