

PUBLICATIONS

Physicians and scientists at TissueTech, Inc. are proud to collaborate with their colleagues to conduct clinical research utilizing our CryoTek[®] cryopreserved umbilical cord and amniotic membrane human birth tissue products. The following represents a sampling of these completed studies that have been validated through publication in peer-reviewed scientific journals:

Corneal Nerve Regeneration after Self-Retained Cryopreserved Amniotic Membrane in Dry Eye Disease.

In a prospective randomized clinical trial, self-retained cryopreserved amniotic membrane was shown to be a promising therapy for corneal nerve regeneration and accelerated recovery of the ocular surface health in patients with dry eye disease...[read more](#)

Temporary Sutureless Amniotic Membrane Patch for Acute Alkaline Burns. Self-retained cryopreserved amniotic membrane allows for early treatment, which may help preserve remaining limbal stem cells for rapid expansion and prevent late cicatricial complications in eyes with mild and moderate acute chemical burns ...[read more](#)

Treatment of Acute Stevens-Johnson Syndrome and Toxic Epidermal Necrolysis Using Amniotic Membrane: A Review of 10 Consecutive Cases. Amniotic membrane transplantation is an effective treatment for acute Stevens-Johnson Syndrome and toxic epidermal necrolysis, greatly decreasing the risk of significant ocular and visual sequelae...[read more](#)

Amniotic Membrane Grafts to Reduce Pterygium Recurrence. Adjunctive use of amniotic membrane and short exposure of mitomycin C can reduce recurrence after pterygium surgery. The procedure is less tedious and less time consuming, resulting in early recovery while saving the conjunctiva for future surgeries...[read more](#)

Restoration of Fornix Tear Reservoir in Conjunctivochalasis With Fornix Reconstruction. Restoration of the tear reservoir by fornix reconstruction with conjunctival recession and amniotic membrane transplantation results in significant resolution of symptoms and signs in patients with Conjunctivochalasis...[read more](#)

Outcomes of the Shunt Tube Exposure Prevention Study (STEPS), a Randomized Clinical Trial. In a prospective controlled trial, amniotic umbilical cord grafts reduced graft thinning after drainage device implantation in glaucoma patients...[read more](#)

Novel Use of Cryopreserved Ultra-thick Human Amniotic Membrane for Management of Anophthalmic Socket Contracture. Cryopreserved amniotic umbilical cord prevents complications and need for reoperation in the management of anophthalmic socket contracture...[read more](#)



Amniotic Membrane Grafts for Nontraumatic Corneal Perforations, Descemetocelles, and Deep Ulcers.

Amniotic membrane transplantation is an effective method for managing nontraumatic corneal perforations and descemetocelles. It can serve as either a permanent therapy or as a temporizing measure until the inflammation has subsided...[read more](#)

Comparison of Cryopreserved Amniotic Membrane and Umbilical Cord Tissue with Dehydrated Amniotic Membrane/Chorion Tissue. The data demonstrate cryopreservation, but not dehydration, retains the native architecture of the birth tissue extracellular matrix and maintains the quantity and activity of key biological signals, including HC/HA-PTX3...[read more](#)

HC/HA-PTX3 Purified from Amniotic Membrane as Novel Regenerative Matrix: Insight into Relationship Between Inflammation and Regeneration. Review paper on the mechanism of action of birth tissue and summary of the cumulative research on the HC/HA-PTX3 complex as the key relevant tissue characteristic of the amniotic membrane and umbilical cord...[read more](#)