

Plastic and Reconstructive Surgery

Navigate the Reconstructive Ladder with Confidence



Who We Are

Founded in Iceland, Kerecis is a medical device company pioneering the use of fish skin to support tissue regeneration and heal complex wounds.

Limb preservation is at the core of our work: since 2007, we've partnered with providers across the globe to promote better wound healing and save thousands of patients from facing life-altering amputations.

Healing Benefits of Fish Skin

DEEP SEA, COLD-WATER COD

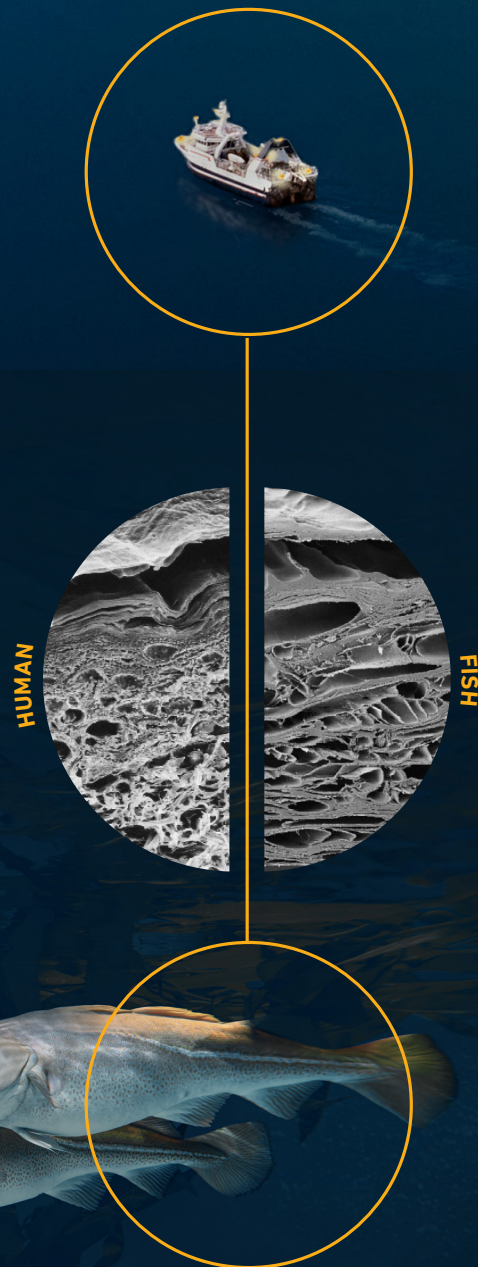
No known risk of viral disease transmission from cold-water cod to humans^{1,2}

MINIMALLY PROCESSED

Gentle processing preserves the cod's structure and molecular content^{3,4,5}

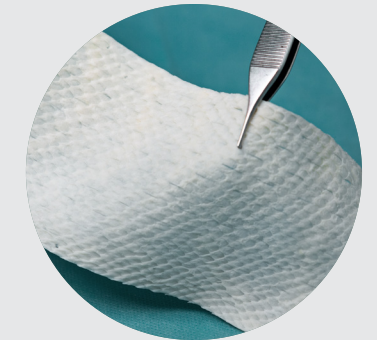
HOMOLOGOUS TO HUMAN SKIN

Similar skin structure enables fibroblast infiltration for faster healing^{3,4,5}



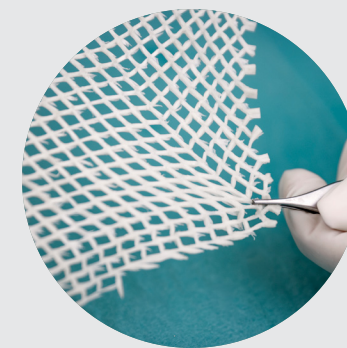
Plastic and Reconstructive Surgery

As plastic and reconstructive surgeons, you take on some of the most complex surgical procedures. You need a tissue-repair product that helps you navigate the reconstructive ladder with confidence to support patient outcomes in challenging cases.



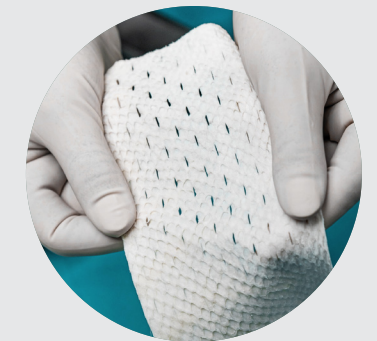
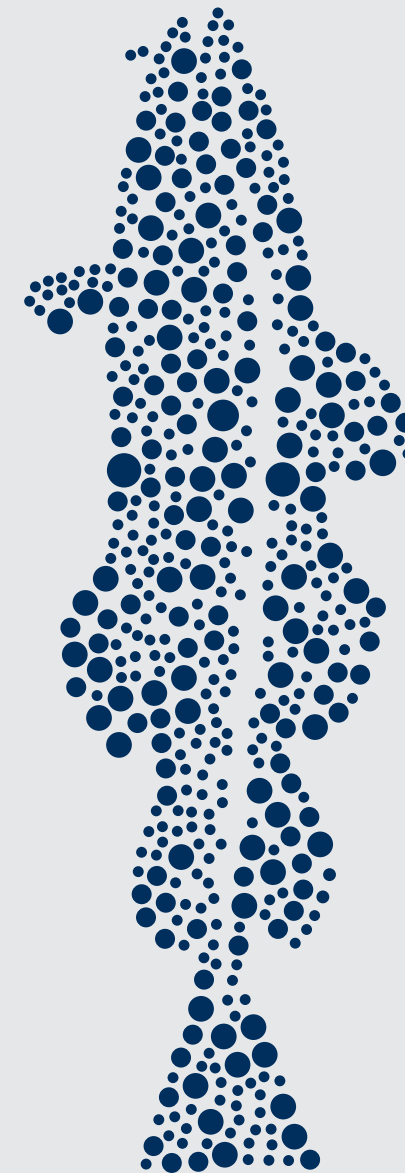
Promote faster healing in compromised tissue beds

Our fish-skin grafts' intact ECM components help enhance healing in damaged or hypovascularized tissue beds by rapidly incorporating and facilitating cellular ingrowth,^{4,5} creating a healthy area ready for closure by secondary intention, autograft, or flap.



Reconstruct over exposed structures, including bone and tendon

Kerecis is proven to fast-track healing on tough surgical sites, equipping surgeons to potentially reduce from flap to graft. In a 2024 RCT, Kerecis grafts promoted faster healing for severe wounds with exposed bone and tendon compared to standard of care.⁶



Limit secondary contracture to optimize functional and cosmetic outcomes

Kerecis' 3D tissue structure provides a robust platform for fibroblast infiltration, promoting fast integration. This may help limit scarring, adhesion, and secondary contracture,^{7,8,9} which can help restore and maintain function such as range of motion.

By using Kerecis as a **first-line therapy**, you can potentially unlock options lower on the reconstructive ladder for final reconstruction

Degloving Soft-Tissue Injuries

Degloving soft-tissue injuries are often complicated by exposed tendon, bone, and vasculature. Kerecis fish-skin grafts can be a core part of your surgical management by helping to protect these exposed structures and promote healthy granulation, creating a healthy surgical area ready for closure with a split-thickness skin graft (STSG).

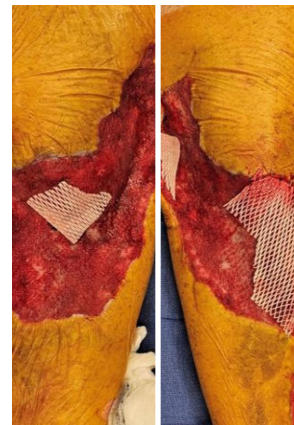
A 2024 multi-center RCT demonstrates Kerecis' efficacy over exposed critical structures by highlighting that Kerecis grafts promoted faster healing for severe wounds with exposed bone and tendon compared to standard of care.⁶



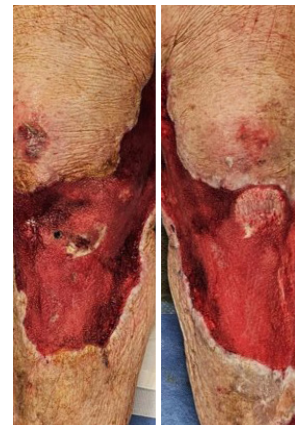
Day 1 – Initial presentation



Day 40 – SurgiClose Micro and SurgiClose Meshed 2:1 application



Day 49 – SurgiClose Meshed 2:1 second application



Day 54 – Area prepared for STSG application



Day 118 – Final presentation, with full closure even over areas of exposed tendon and fascia.

CASE STUDY*

Elaina Yingnu Chen, MD, Libertyville, IL

PATIENT PRESENTATION

88-year-old female presented to ED as trauma after sustaining a motor vehicle crash. Sustained extensive degloving injury to BLE. Underwent washout of LE wounds with placement of negative pressure wound therapy (NPWT) to both legs by general surgery on three occasions.

SURGICAL INTERVENTION AND KERECIS APPLICATION

- First Application: SurgiClose Micro and Meshed 2:1, done by plastic surgery
- Second Application: SurgiClose Meshed 2:1
- Excellent take of Kerecis with nearly entirely covered patella tendon, muscle fascia, and tibia periosteum. Very minimal slough. Significant reduction in pain with NPWT dressing changes. Area prepared well for STSG application.

CLINICAL OUTCOME

Patient had complete closure of entire wound, including areas of exposed patellar tendon, tibial periosteum, and exposed muscle fascia.

KERECIS VALUE

Protected exposed bone, tendon, and fascia to prepare patient for a STSG.

Trauma Injuries

Trauma injuries often result in significant tissue damage, including muscle, nerves, and blood vessels.

Backed by our supportive literature on promoting healing over exposed deep structures,⁶ Kerecis fish-skin grafts can promote healing in these compromised tissue beds by supporting tissue regeneration and angiogenesis, supporting the body's natural healing process and serving as a bridge to an eventual STSG or flap, if needed.



Day 1 – Initial presentation after reconstructive options with other skin substitutes had failed



Day 1 – SurgiClose application over exposed tendon



Day 49 – Final presentation

CASE STUDY*

Katherine Benedict, MD, Houston, TX

PATIENT PRESENTATION

61-year-old female presented to the clinic after multiple dog bites to left upper extremity, requiring multiple debridements – ultimately resulting in a dorsal forearm wound and exposed extensor tendons. Reconstructive options with other skin substitutes had failed.

SURGICAL INTERVENTION AND KERECIS APPLICATION

- SurgiClose was used over the exposed extensor tendon on the dorsal forearm without overlying peritenon. Kerecis was not applied to the remainder of the wound bed as it had healthy granulation tissue.

CLINICAL OUTCOME

The patient's wound healed with minimal loss of wrist or finger range of motion. Patient was highly satisfied.

KERECIS VALUE

Supported granulation tissue formation over exposed tendon, enabling wound to close secondarily.

Head and Neck Reconstruction

Head and neck reconstruction can be particularly challenging due to the functional requirements of movement, sensation, and cosmesis in this highly visible region.

Kerecis fish-skin grafts can improve patient outcomes by supporting granulation tissue formation and closure via secondary intention or by serving as a bridge to an eventual graft or flap. By promoting robust cellular in-growth and tissue regeneration, Kerecis may also help limit scarring, adhesion, and secondary contracture.^{7,8,9}

CASE STUDY*

Ashtyn Talos, PA-C, Naperville, IL

PATIENT PRESENTATION

58-year-old female post-Mohs surgery.

SURGICAL INTERVENTION AND KERECIS APPLICATION

- 1 application of SurgiClose Meshed 2:1 over the Mohs wound to prepare the wound bed for a full-thickness skin graft.

CLINICAL OUTCOME

One application of Kerecis prepared the area for a full-thickness skin graft, which had full graft take and the wound healed nicely.

KERECIS VALUE

Prepared the wound bed well for a full-thickness skin graft



Day 1 – Initial presentation post-Mohs surgery



Day 1 – Wound measurement 5 x 5 x 0.5 cm



Day 8 – SurgiClose Meshed 2:1 application



Day 20 – Follow up, ready for full-thickness graft



Day 56 – Post full-thickness skin graft, wound healing well



Day 74 – Final presentation

Necrotizing Fasciitis

Necrotizing fasciitis is a serious bacterial infection that rapidly destroys soft tissue. After washout and debridement, Kerecis fish-skin grafts can help fill soft-tissue deficits, temporize the wound bed, and form healthy granulation tissue to either facilitate secondary healing or ready the area for an STSG.

CASE STUDY*

Pablo Padilla, MD, Houston, TX

PATIENT PRESENTATION

31-year-old male, PMHx: Type 2 Diabetes Mellitus. Chief complaint: tachycardia, hypotension, malaise. X-ray of foot was concerning for necrotizing fasciitis.

SURGICAL INTERVENTION AND KERECIS APPLICATION

- Surgical debridement
- SurgiClose Micro and SurgiClose Meshed 2:1 were applied in 2 applications

CLINICAL OUTCOME

Patient healed and ambulating post-STSG take.

KERECIS VALUE

Promoted granulation tissue over exposed bone and tendon to prepare the wound bed well for a STSG



Day 1 – Presentation to plastics, 2nd debridement



Day 7 – Application of SurgiClose Micro and Meshed 2:1



Day 17 – Ready for second Kerecis application. Discharged on 3/12 to home care with NPWT.



Day 161 – Returned to OR for STSG harvest and placement.

Innovation Driven by Empathy

Since 2007, we've saved thousands of lives and limbs by continuously innovating our products



We regularly donate our fish-skin grafts to **global humanitarian efforts**, including to frontline physicians in Ukraine and burn victims in Switzerland.



We keep investing in **peer-to-peer learning** to share best practices and respond to providers' feedback.



We keep investing in our **clinical evidence**, building on our 100+ peer-reviewed publications and five RCTs.



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*For illustration only. This information is not medical or business advice and does not replace a licensed physician's independent judgment. Results and experiences may vary. Refer to the full instructions for use, including indications, contraindications, precautions, and warnings.

*A surgeon must always rely on their professional clinical judgment when deciding whether to use a specific product for a patient. Kerecis does not dispense medical advice and strongly recommends that surgeons be adequately trained in the use of its products before employing them in surgical procedures. The information provided in this brochure is intended to demonstrate the product offerings and should not replace the package insert, product label, or instructions for use. For regulatory and medical practice reasons, product availability may vary by market. Contact your Kerecis representative for further clarification.

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OUR VISION
To extend life by supporting
the body's own ability
to regenerate

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