Kerecis

Kerecis® Omega3 SurgiClose™

Intact Fish-Skin Graft for Surgical Use

- Faster incorporation and cell ingrowth
- Rapid neovascularization through naturally porous skin structure[8]
- Preserved microstructure facilitates dermal regeneration
- Natural microbial barrier protecting against environmental insults[2,3,6]

About SurgiClose

Kerecis Omega3 SurgiClose is intact fish skin used for regenerating tissue on surgical, traumatic and acute wounds.

SurgiClose is available in solid and meshed configurations, and in sizes ranging from 70 cm² to 300 cm², that can be stretched to cover wounds as large as 540 cm².

Kerecis Omega3 Technology

Kerecis Omega3 fish-skin products are homologous to human skin[1] and used to support tissue regeneration and repair.[2] Kerecis Omega3 fish-skin products are FDA approved for multiple clinical applications.

Because there is no risk of a viral-disease transfer from Atlantic cod to humans, the fish skin needs only mild processing, resulting in the preservation of the fish skin's natural structure and elements, including Omega3 fatty acids.[3,4]

When grafted onto damaged human tissue, such as a burn or a wound, the fish skin recruits the body's own cells, supporting the ability to regenerate.[2]

The superior clinical and economic performance of Kerecis Omega3 fish skin has been demonstrated in multiple blinded, randomized, controlled clinical trials [4,5,6] and numerous other clinical studies.[7-15]

Since there are no known religious or cultural barriers associated with Kerecis Omega3 products, they can help diverse communities.

ALSO AVAILABLE:

SurgiClose Micro is a unique variation of SurgiClose where the fish skin has been fragmented into small units. It is designed to adhere to and fill deep wound spaces and irregular geometries.

INTENDED USE

Kerecis® Omega3 SurgiClose™ is indicated for the management of wounds including:

- Partial and full thickness wounds
- Pressure ulcers
- Chronic vascular ulcers
- Diabetic ulcers
- Trauma wounds (abrasions, lacerations, second-degree burns, skin tears)
- Surgical wounds (donor site/grafts, post-Mohs surgery, post-laser surgery, podiatric, wound dehiscence)
- Draining wounds

Kerecis Omega3 SurgiClose

SOLID

Catalog # Box of 10	Catalog # Single Unit	Product Size	Coverage (cm² / unit)
50205S03D2D	50205S03D0D	7 x 10 cm	70
50205S21D2D	50205S21D0D	7 x 20 cm	140
50205S24D2D	50205S24D0D	250 cm²	250
50205S23D2D	50205S23D0D	300 cm²	300

MESHED 2:1

Catalog # Box of 10	Catalog # Single Unit	Product Size	Coverage (cm² / unit)
50205N03D2D	50205N03D0D	7 x 10 cm meshed 2:1	up to 126
50205N21D2D	50205N21D0D	7 x 20 cm meshed 2:1	up to 252
50205N24D2D	50205N24D0D	250 cm² meshed 2:1	up to 450
50205N23D2D	50205N23D0D	300 cm² meshed 2:1	up to 540

References:

1) Magnusson, S., Baldursson, B. T., Kjartansson, H., Rolfsson, O. & Sigurjonsson, G. F. Regenerative and Antibacterial Properties of Acellular Fish Skin Grafts and Human Amnion/Chorion Membrane: Implications for Tissue Preservation in Combat Casualty Care. Mil. Med. 182, 383–388 (2017). 2) Magnusson, S. et al. Decellularized fish skin: characteristics that support tissue repair. Laeknabladid 101, 567–573 (2015). 3) Rakers, S. et al. 'Fish matters': the relevance of fish skin biology to investigative dermatology. Exp. Dermatol. 19, 313–324 (2010). 4) Baldursson, B. T. et al. Healing rate and autoimmune safety of full-thickness wounds treated with fish skin acellular dermal matrix versus porcine small-intestine submucosa: a noninferiority study. Int. J. Low. Extrem. Wounds 14, (2015). 5) Kirsner, R. S. et al. Double-Blind, Prospective, Randomized Clinical Trial on 170 Acute Wounds Shows Significantly Faster Healing Rate with Intact Fish Skin Compared to Human Amniotic Membrane. Natl. Am. Podiatr. Med. Assoc. Annu. Sci. Meet. (2018). 6) Lullove E. J. et al. A multicenter, blinded, randomized controlled clinical trial evaluating the effect of Omega-3–rich fish skin in the treatment of chronic, nonresponsive diabetic foot ulcers. Wounds. Published online April 15, 2021. 8) Stone R 2nd, Saathoff EC, Larson DA, et al. Accelerated Wound Closure of Deep Partial Thickness Burns with Acellular Fish Skin Graft. Int J Mol Sci. 2021;22(4):1590. 9) Yang CK, Polanco TO, Lantis JC 2nd. A Prospective, Postmarket, Compassionate Clinical Evaluation of a Novel Acellular Fish-skin Graft Which Contains Omega-3 Fatty Acids for the Closure of Hard-to-heal Lower Extremity Chronic Ulcers. Wounds. 2016 Apr;28(4):112-8. PMID: 27071138. 10) T. T. Trinh, F. Dünschede, C.-F. Vahl & B. Dorweiler. Marine Omega3 Wound Matrix for the Treatment of Complicated Wounds. Phlebologie 45, 93–98 (2016). 11) Dorweiler, B. et al. Die marine Omega-3-Wundmatrix zur Behandlung komplizierter Wunden. Gefässchirurgie 22, 558–567 (2017). 12) Woodrow, T., Chant, T. & Chant, H. Treatment of diabetic foot wounds with acellular fish skin graft rich in omega-3: a prospective evaluation. J. Wound Care 28, 76–80 (2019). 13) Sitje, T. S., Grøndahl, E. C. & Sørensen, J. A. Clinical innovation: fish-derived wound product for cutaneous wounds. Wounds Int. 2018 9, 44–50 (2018). 14) Patel, M. & Lantis II, J. C. Fish skin acellular dermal matrix: potential in the treatment of chronic wounds. Chronic Wound Care Manag. Res. 6, 59–70 (2019). 15) Sibbald R., Goodman L., Woo K. et al (2011) Special considerations in wound bed preparation 2011: An update. Adv Skin Wound Care. 24(9):415-36.

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

FDA approved, U.S. and international patents and trademarks granted and pending.

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