renuva®

The Foundation for Fat. The Future of Volume.

Renuva helps your patients restore their own fat, naturally.



Cat, 57. Real Patient.
Results may vary.

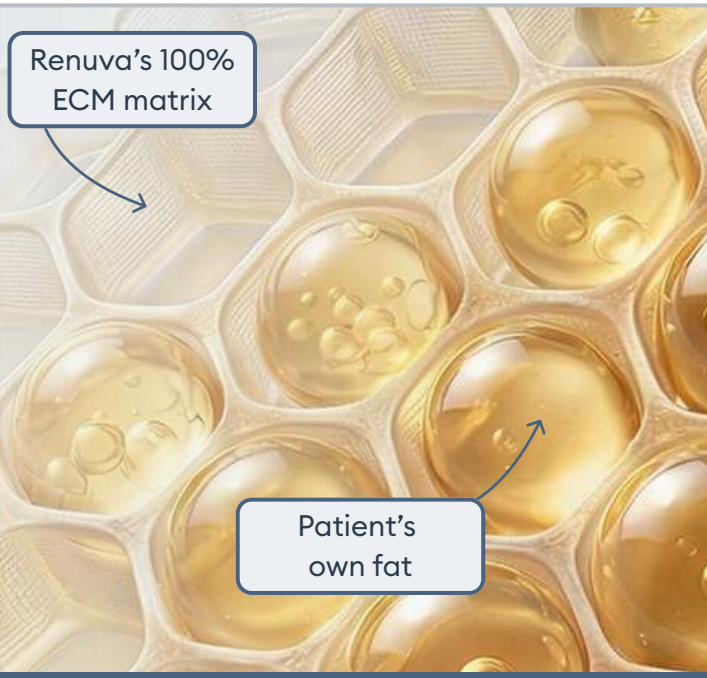
When volume is lost, restoring fat matters

Renuva is a first-of-its-kind adipose allograft that restores volume naturally where fat has been lost due to aging or weight changes.

Meet Renuva's 100% extracellular matrix *1

Just the matrix – and that's the point.

Renuva is intentionally processed to remove donor adipocytes. Its biocompatible, honeycomb-like scaffold is composed of the same collagens, proteins, and growth factors naturally found in fat. Studies demonstrate Renuva is gradually replaced with the patient's own fat tissue, typically over 3 to 6 months – restoring volume, naturally.



8+
Ongoing studies at leading academic institutions on Renuva.

39+
Years of expertise as the world's largest not for profit tissue bank.

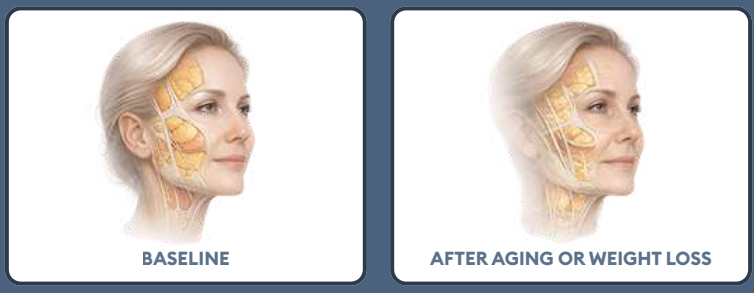
14+
Peer-reviewed clinical and scientific publications on Renuva.

12M+
Grafts distributed worldwide across plastic surgery, aesthetics and orthopedics.

Aging and weight loss

With age- or weight-related fat loss, subcutaneous and deep fat pads atrophy as retaining ligaments elongate and lose tension. Weakened ligaments allow adipose compartments to descend.

The result? Patients experience true volume deficits – not simply skin laxity or surface lines.



Effective volume restoration requires replacing fat where it once existed

Historically, there were limited options to precisely restore fat within its original anatomical compartments.



John, 54. Real patient.

Renuva is the foundation for fat

Renuva is a ready-to-use, honeycomb-like tissue matrix composed of the same collagens, proteins, and growth factors essential for restoring the patients own fat.

- ✓ Collagens IV, VI, I & III
- ✓ GAGs
- ✓ HA
- ✓ Angiopoietin-2
- ✓ EGF
- ✓ FGF-1
- ✓ FGF-2
- ✓ VEGF
- ✓ Adiponectin
- ✓ IGF-1
- ✓ Leptin
- ✓ IL-6

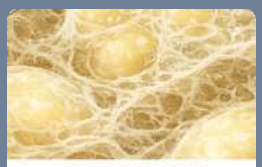
Data on File MTF

The Extracellular Matrix (ECM)

Renuva is an adipose allograft composed entirely of extracellular matrix, aseptically processed and packaged without terminal radiation, while preserving the native ECM architecture.

Processed to remove lipids, cells and DNA.

- ✕ No lipids
- ✕ No live cells
- ✕ No terminal radiation



DONOR ADIPOSE



RENUVA

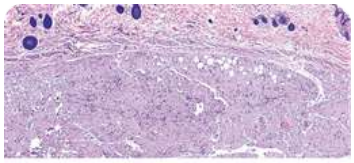
Precision placement

Renuva is uniquely suited for areas that require precision placement, or have thin or delicate tissue, including the face, neck, hands and body irregularities.

1. With no bulk from donor fat cells, Renuva is ideal for targeted volume restoration.
2. Renuva stays at the injection site and integrates with surrounding tissue.[2]
3. Shelf-stable, uniform matrix suitable for precision needle or cannula delivery.
4. Fat is naturally hydrophobic, avoiding concerns with HA fillers attracting water.[3]

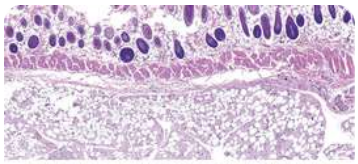
In vivo tissue remodeling

Renuva injection after 3 and 12 weeks in athymic mouse.



3 WEEKS POST-INJECTION WITH RENUVA

Host-cell infiltration and early adipocyte formation around the periphery of the injected graft.



12 WEEKS POST-INJECTION WITH RENUVA

Renuva is well-infiltrated by the host cells and shows significant adipocyte formation across the entire graft.

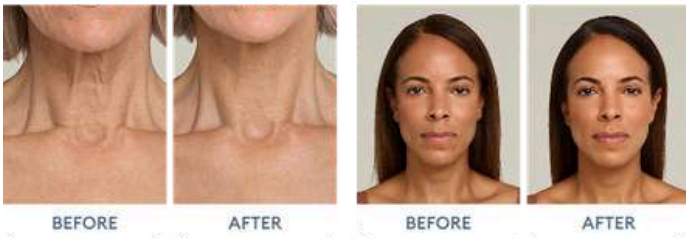
Histologic evaluation demonstrates gradual replacement of the extracellular matrix with healthy adipose tissue over time. Data on file at MTF.

Before & Afters



BEFORE AFTER — 3 months post treatment
1 treatment • 6 ccs face • 6 ccs neck

BEFORE AFTER — 6 months post treatment
3 treatments • 9 ccs face • 15 ccs neck



BEFORE AFTER — 2 months post treatment
3 treatments • 12 ccs neck

BEFORE AFTER — 3 months post treatment
1 treatment • 3 ccs face



BEFORE AFTER — 6 months post treatment
2 treatments • 12 ccs (6 ccs per hand)

BEFORE AFTER — 6 months post treatment
2 treatments • 12 ccs (6 ccs per hand)

mtfbiologics
Science Driven. Patient Focused.

The experts in tissue processing

Backed by 39+ years of tissue expertise, Renuva was developed by MTF Biologics, a global non-profit organization, with rigorous safety standards, single-donor grafts, and 100+ peer-reviewed publications.

To learn more about MTF Biologics visit www.mtfbiologics.org.

Join elite injectors offering a first-of-its-kind, non-surgical volume solution.

Request to become a provider

Scan the QR code or learn more at myRenuva.com

Order Renuva via MTF Biologics

1.5 cc	3 cc
AP0101	AP0103

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*Renuva is all extracellular matrix (ECM) containing collagens VI, IV, III and I confirmed in matrix after all processing is completed.

References: 1. Kokai, L. E., Schilling, B. K., Chnari, E., Huang, Y. C., Imming, E. A., Karunamurthy, A., Khouri, R. K., D'Amico, R. A., Coleman, S. R., Marra, K. G., & Rubin, J. P. (2019). Injectable allograft adipose matrix supports adipogenic tissue remodeling in the nude mouse and human. Plastic and Reconstructive Surgery, 143(2), 299e–309e. https://doi.org/10.1097/PRS.0000000000005269. 2. Kokai, L. E., Sivak, W. N., Schilling, B. K., Karunamurthy, A., Egro, F. M., Schusterman, M. A., Minteer, D. M., Simon, P., D'Amico, R. A., & Rubin, J. P. (2020). Clinical evaluation of an off-the-shelf allogeneic adipose matrix for soft tissue reconstruction. Plastic and Reconstructive Surgery – Global Open, 8(1), e2574. https://doi.org/10.1097/GOX.0000000000002574. 3. Walther, T. C., & Farese, R. V., Jr. (2012). Lipid droplets and cellular lipid metabolism. Annual Review of Biochemistry, 81, 687–714. https://doi.org/10.1146/annurev-biochem-061009-102430

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