

Tulip®



TRUE NanoFat™

Redefining Beauty from Within

What is Nanofat?

In the early 2000s, plastic surgeons Patrick Tonnard, MD, PhD and Alexis Verpaele, MD, PhD of Ghent, Belgium demonstrated remarkable clinical outcomes using intradermally injected nanofat—a regenerative adipose output created by mechanically sizing native adipose tissue into small, “nano-sized” particles that can be injected intradermally with a 27g – 30g needle. While their superior results were obvious, their process for producing nanofat was not easily reproducible outside their facility. Tulip® began working with Drs. Tonnard and Verpaele to develop a reproducible clinical protocol and system for producing nanofat—Tulip’s® TRUE NanoFat™ System.

Why Tulip® TRUE NanoFat™?

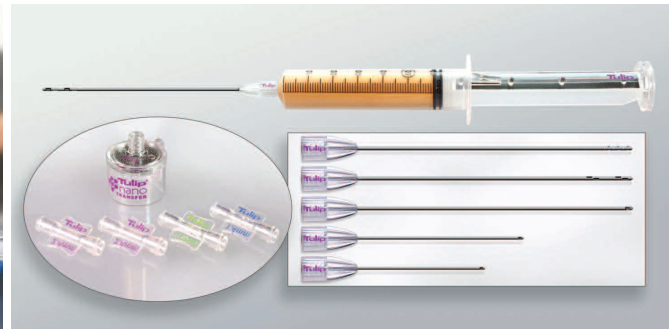
Don’t be fooled by its “micro” size – **Tulip’s® TRUE NanoFat™** helps you deliver MACRO results to your patients and your practice. According to published studies, adipose tissue processed using the Tulip® NanoTransfer™ System protocol ...

- ✓ Demonstrates 10 x more viable regenerative cells per cc than enzymatic digestion*
- ✓ Retains virtually the same viability as the native adipose tissue, while preserving its original form around vascular structures*
- ✓ Triplicates the cell density present in native adipose tissue**

Tulip’s® TRUE NanoFat™

- ✓ Is regenerative in nature, so results continue and tend to improve significantly over time
- ✓ Is intradermally injectable in even the thinnest of skin
- ✓ Can be combined with Tulip® MicroFat™ to super-charge your fat transfer procedures
- ✓ Falls within the regulatory guidelines of minimal manipulation under the same surgical exception, making it ideal for office-based procedures
- ✓ Can become an integral part of nearly every technique you use

Tulip® GOLD
Standard
Single-Use
Procedure Kits



Add Value to Your Practice

Unlock the regenerative power contained in fat with our single-use procedure kits and set your practice apart with benefits like these:

CONVENIENCE AND PRECISION

An all-in-one system that includes everything you need for small volume nanofat processing in one convenient kit. Intradermal injection through a 30-gauge needle allows for the application of regenerative adipose tissue with pin-point precision.

APPLICATION VARIABILITY

Single-use solution kits can be used for a variety of procedures, including structural facial contouring as well as other small volume areas throughout the body.

TIME SAVINGS

Allows for a wide variety of minimally invasive, office-based procedures that can often be done within an hour.

TRAINING AND SUPPORT

Complimentary Tulip® Zoom Trainings and our newsletter help you and your staff get up and running quickly and stay informed of the latest developments.

Discover the regenerative properties of Tulip® TRUE NanoFat™ and systems kits in these popular procedural areas.



BREAST & DECOLLETAGE

The SoftBreast™ Procedure Kit contains everything needed to fill an entire breast with adipose tissue or to complement implants with fat augmentation in both breast reconstruction and aesthetic procedures, providing the look and feel of a natural breast. Decolletage rejuvenation improves skin texture and coloring following breast enhancement as well as for treatment of sun damage, photoaging, and irregular pigmentation.

- ✦ The look and feel of a natural breast
- ✦ Asymmetry correction
- ✦ Decolletage rejuvenation

SOFTBREAST™ PROCEDURE KIT + TRUE NANOFAT™ SINGLE-USE



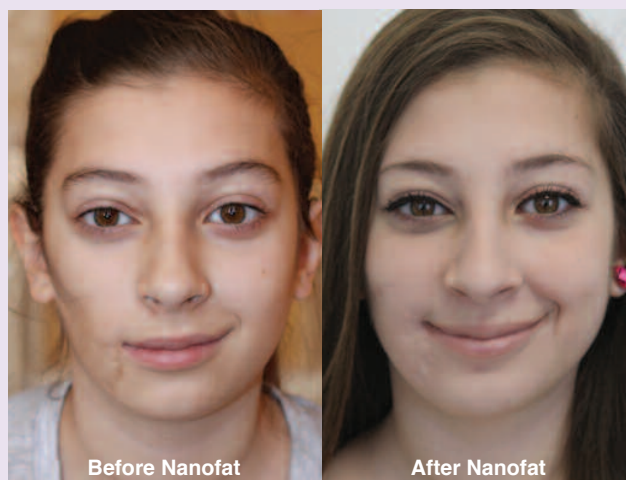
FACE & UNDEREYE

The SoftTouch™ Procedure Kit has everything needed to perform a single non-surgical facial rejuvenation treatment in an office-based setting. Published papers*** demonstrate skin texture rejuvenation and reduced facial redness. The use of nanofat can also lead to dramatic reduction in undereye discoloration.

- ✦ Improved skin texture
- ✦ Reduced facial redness
- ✦ Reduced undereye discoloration



SOFTTOUCH™ PROCEDURE KIT + TRUE NANOFAT™ SINGLE-USE



SCARS

TRUE NanoFat™ is an alternative treatment approach for scar revision and wound healing as compared to traditional surgical excision. Published papers**** show marked skin quality improvement and coloration, softening of scars, and reduced hypertrophy, which can alleviate contracture and pain associated with skin tightness.

- ✦ Improved skin quality and coloration
- ✦ Softening of scars
- ✦ Reduced hypertrophy
- ✦ Reduced contracture and pain

SOFTTOUCH™ PROCEDURE KIT + TRUE NANOFAT™ SINGLE-USE



Our Foundation ... Our Promise.

Since my late husband, John Johnson, and I founded Tulip® Medical Products over thirty years ago, our company has been privileged to collaborate with leading pioneers in the field of liposuction and fat grafting in the development of innovative, quality instruments and systems in the field of adipose management.

In the early 1990s, in conjunction with noted French plastic surgeon Pierre Fournier, MD, the pioneer of syringe liposuction, we helped develop and patent the Tulip® Syringe Technique, the first syringe system for liposuction and fat transfer – which became a significant development in the future advancement of fat transfer.

Our next watershed moments would arrive when, during Tulip® - sponsored research at the University of Pittsburgh, Ramon Llull, MD, PhD and Adam J. Katz, MD delivered evidence of a groundbreaking discovery – that chondrocytes could be grown from fat tissue. A finding that would expand the field of adipose management into the new territory of regenerative medicine. Carrying forward with other promising projects, Tulip® began working with plastic surgeons Patrick Tonnard, MD, PhD and Alexis Verpaele, MD, PhD, to develop a reproducible clinical protocol and system for producing nanofat. Known today as the pioneers of nanofat, Drs. Tonnard and Verpaele were demonstrating marked improvement in skin texture, discoloration reduction, and vascularization using nanofat, yet their process for producing nanofat was not easily reproducible outside their facility. In another collaboration with Dr. Ramon Llull, we jointly characterized the components of nanofat.

Out of these pioneering collaborations came the development of the revolutionary Tulip® TRUE NanoFat™ System and Tulip® NanoTransfer™ System protocol.

Today, Tulip's® patented and patent pending TRUE NanoFat™ System adds a robust new tool to the surgeon's armamentarium in the field of regenerative aesthetics, allowing doctors to treat patients in exciting new ways. And clearly, the future holds bright possibilities for application in other medical disciplines.

We invite you to join the doctors, surgeons, and practitioners worldwide who look to Tulip® Medical Products for the latest technology in liposuction and fat grafting. We remain committed to delivering the highest quality instruments and tools available with one goal in mind – to help you meet your patients' highest expectations every time.

Marcille Pilkington

Marcille Pilkington, President & CEO

* "Nanofat Cell Aggregates: A Nearly Constitutive Stromal Cell Inoculum for Regenerative Site-Specific Therapies," by Borja Sese, Ph.D., Ramon Llull, M.D., Ph.D., et al; Plastic and Reconstructive Surgery Journal, November 2019, 144(5): 1079-1088.

** "Human Stromal Cell Aggregates Concentrate Adipose Tissue Constitutive Cell Population", by In Vitro DNA Quantification Analysis," by Borja Sese, Ph.D., Ramon Llull, M.D., Ph.D., et al; Plastic and Reconstructive Surgery Journal, December 2020, 146(6): 1285-1293.

*** "The Role of Microfat Grafting in Facial Contouring," by Nicole Lindenblatt, M.D., Astrid van Hulle, Alexis M. Verpaele, M.D., and Patrick L. Tonnard, M.D; Aesthetic Surgery Journal, 2015, 35(7): 763 – 771.

**** "Nanofat Grafting for Scar Treatment and Skin Quality Improvement," by Semra Uyulmaz, M.D., et al; Aesthetic Surgery Journal, 2018, 38(4): 421 – 428.

Tulip's® **TRUE** NanoFat™ Systems are your go-to source for a myriad of applications!

Explore the possibilities today at **nanofat.com**

4360 Morena Boulevard, Suite 100 | San Diego, CA 92117 | 1.858.270.5900 | tulipmedical.com

