

# VoiceInject®

Autologous fat as a filler for Unilateral Vocal Fold Paralysis (UVFP)





VoicInject® – Autologous  
fat as a filler for UVFP

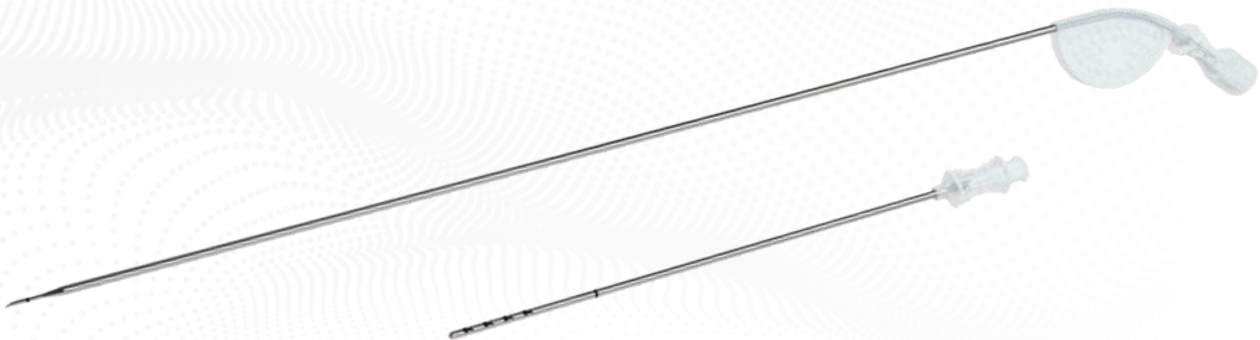
# Voicelject®

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Vocal fold augmentation has been an established and effective method of treating UVFP for years.

It is a minimally invasive procedure that quickly restores the patients natural voice. Patients themselves favour this procedure because of the high level of biocompatibility due to using their own body fat.

**SPIGGLE & THEIS** developed **Voicelject®** for the successful and patient-friendly treatment of UVFP.





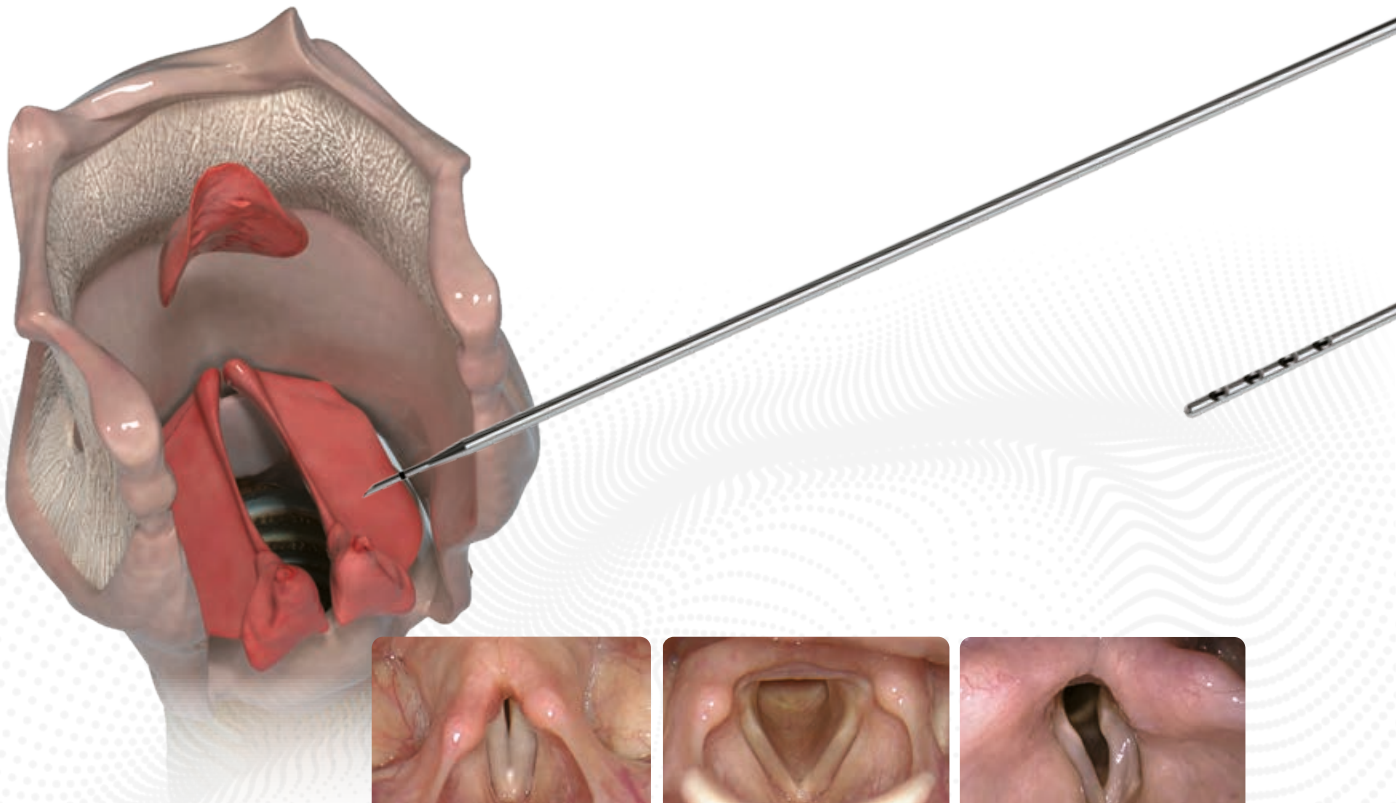
Prof. Dr. Markus M. Hess  
MEDICAL VOICE CENTER, Hamburg, Germany

» Autologous fat tissue is unique because it is a combination of a resorbable and a permanent component. «

Vocal fold augmentation is a safe and effective treatment method to improve vocal quality when the glottis does not close completely. Patients appreciate the use of endogenous material, such as autologous fat. Autologous fat demonstrates good elastic properties and is fully biocompatible. Augmentation can be performed bilaterally on vocal folds.

**Medical indications:**

- Presbyphonia
- Scarring
- Chordectomy
- Vocal fold atrophy
- Recurrent nerve paresis



Closed vocal fold

Opened vocal fold

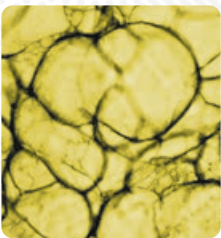
Unilateral vocal fold palsy

Source: MEDICAL VOICE CENTER, Hamburg, Germany



**Advantages:**

- Autologous fat for optimal biocompatibility
- No injection of synthetic material
- Minimally invasive treatment with maximum patient comfort
- Injection and harvesting cannula designed for optimal application and protection of the harvested fat cells
- Sterile system



**Ideal filler for use in the human body**

- Biocompatible autologous tissue
- Easily harvested
- Long term benefit

Human fat cells



Scan QR code  
to get to the video.

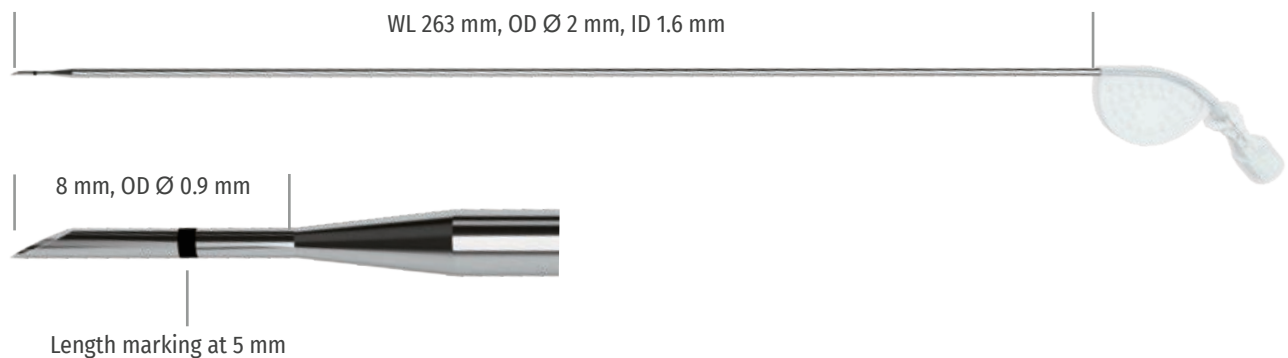


## Injection Needle

Special attention has been given to the careful transport and injection of fat cells into the vocal folds. Thanks to the high-volume design and extra thin cannula wall, VoicelInject® makes it easy to inject fat cells without damaging them.

### Properties

- High-volume lumen to protect the harvested fat cells
- Facet cut for simple and safe injection into the vocal fold
- Optimal length for transoral injection, working length 263 mm, overall length 332 mm
- Needle tip: 8 mm with marking of the injection depth at 5 mm
- Removable handle
- Luer Lock connector



### VoicelInject®-Injection needle, 1 piece

3080-1000-01

### VoicelInject®-Injection needle, 5 pieces

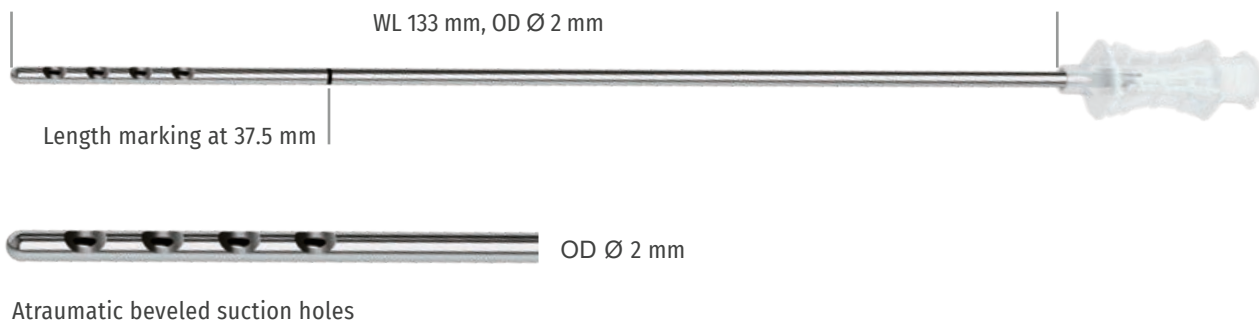
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## Lipo Harvesting Cannula

Careful harvesting is crucial to ensure successful and longer lasting autologous fat augmentation in the vocal folds. In addition to a low level of negative pressure when harvesting, the special shape, arrangement and cut of the suction holes ensure safe harvesting of the fat cells. Once harvested, the cannula tube provides the fat cells with enough space, so that they can be drawn up into the syringe, without higher pressure.

### Properties

- Atraumatic beveled suction holes on the cannula tip
- Low suction pressure, thanks to manually build-up pressure
- Special arrangement of the suction holes
- Harvesting cannula with large-volume inner shaft
- Length marking at 37.5 mm
- Luer Lock connector



## Lipo Harvesting Cannula

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**Giovanna Cantarella MD, Riccardo F. Mazzola MD, Michele Gaffuri, Elisabetta Iofrida MD, Pietro Biondetti MD, Laura V. Forzenigo MD, Lorenzo Pignataro MD, Sara Torretta MD**

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Distribution USA



**BRYAN MEDICAL**  
A SPIGGLE & THEIS GROUP COMPANY

6100 Wooster Pike · Cincinnati · Ohio 45227  
Phone: +1 513-272-1600 · sales@bryanmedical.net  
www.bryanmedical.net



**SPIGGLE & THEIS**  
Medizintechnik

Burghof 14 · 51491 Overath · Germany  
Phone: +49 2206 90 81 - 0  
Fax: +49 2206 90 81 - 13  
info@spiggle-theis.com  
www.spiggle-theis.com