Literature Highlight

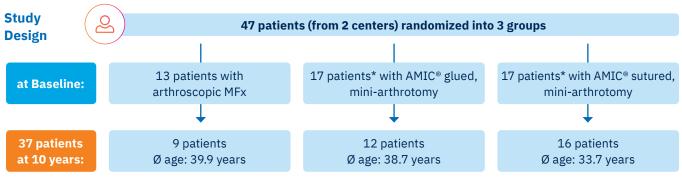


Volz et al. 2024. https://doi.org/10.1007/s00590-024-03948-0

A randomized controlled trial demonstrating sustained benefit of autologous matrix-induced chondrogenesis (AMIC®) over microfracture: 10-year follow-up

### **Objective**

• To evaluate the outcomes of AMIC® compared to microfracture (MFx) alone over a 10-year follow-up.



\*AMIC® groups with larger lesion size

#### **Key Results**

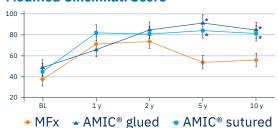
# **Clinical Outcomes**

- The modified Cincinnati score improved in all 3 groups for the first 2 years. While in the **AMIC®** groups the improvement was maintained from 2 to 10 years, the MFx group deteriorated significantly (\*).
- A similar result was seen for VAS pain (data not shown).
- No treatment-related SAE was reported for any patient.

# Responder Rate

- Patients with a Cincinnati score > 65 points were defined as positive responders.
- The proportion of positive responders decreased in the MFx group from 2 to 10 years, while it stayed constant in the AMIC® groups, with a good rate at 10 years (> 80%).

# **Modified Cincinnati Score**



# **Positive Responders, Cincinnati Score**



#### **Conclusions**

- The AMIC® procedure results in significantly improved patient outcomes compared to MFx alone for the repair of focal chondral defects in the knee.
- With AMIC®, results are maintained over 10 years following surgery.



# Geistlich

#### Chondro-Gide® Literature Highlight

This literature highlight addresses important aspects of the evidence for the use of Chondro-Gide®.

# XPERIENCE THE EVIDENCE

100+ peer-reviewed publications



# AMIC® Chondro-Gide®

- Combines bone marrow stimulating techniques with the collagen membrane<sup>1</sup>
- Biocompatible and naturally resorbed membrane<sup>1</sup>
- Easy to handle, supple and tear-resistant<sup>2</sup>
- Compatible with a range of cost-efficient, one-step cartilage regenerative techniques<sup>2,3,4</sup>
- Stable results over 10+ years<sup>5</sup>



More details about our products and distribution partners:



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- 2 Kramer J, et al., Cell Mol Life Sci. 2006 Mar;63(5):616-26. (Clinical study)
- Walther M, et al., Oper Orthop Traumatol. 2014 Dec;26(6):603-10. (Clinical study)
- 4 Fossum V, et al., Orthop J Sports Med. 2019 Sep;7(9):2325967119868212. (Clinical study)
- 5 Kaiser N, et al., Arch Orthop Trauma Surg. 2021 Nov;141(11):1845-54. (Clinical study)