Geistlich Surgery

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Recommendation of the Working Group Tissue Regeneration of the German Orthopedic and Trauma Society (DGOU) for Treatment of Focal Cartilage Defects of the Knee Joint

Authors

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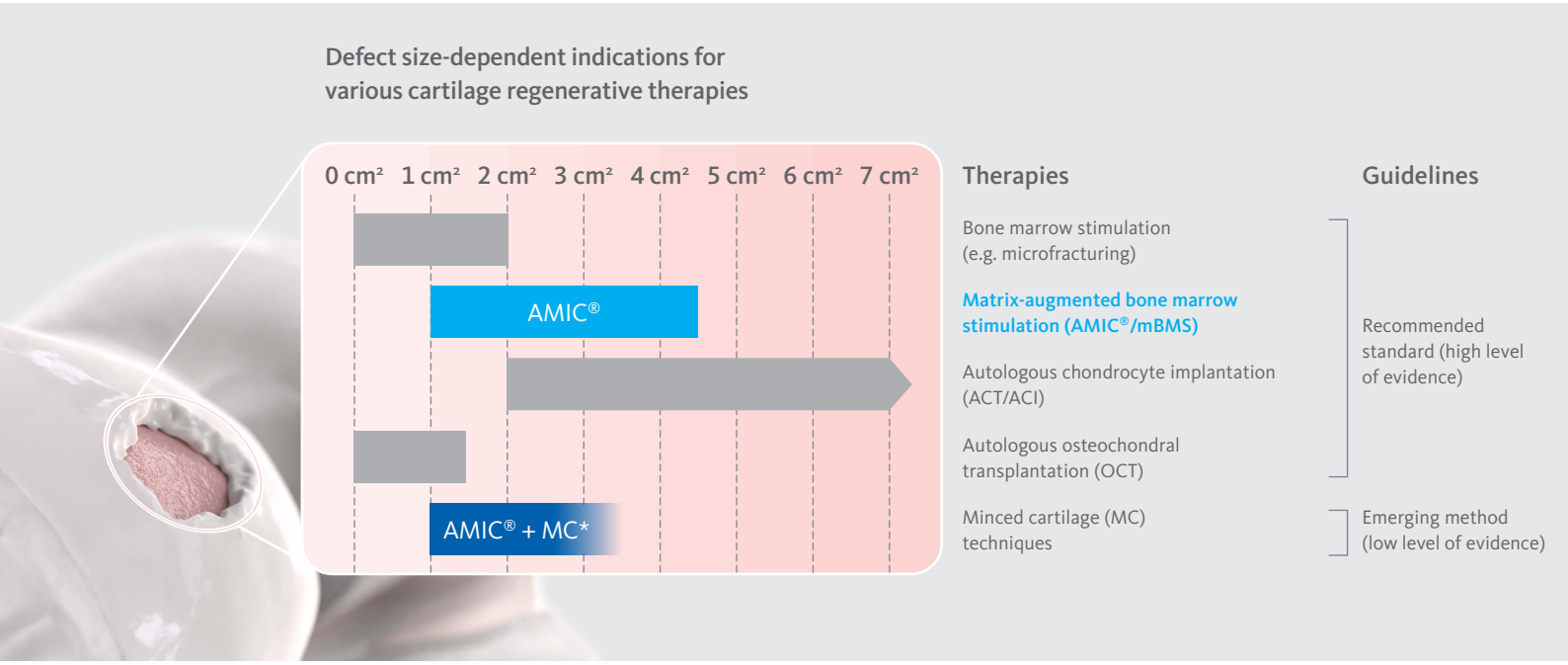

A symptomatic, full-thickness, focal cartilage defect in the absence of osteoarthritis represents the classic indication for cartilage regenerative therapy.

*The majority of published cases (Massen et al., 2019) were covered with the Chondro-Gide® membrane.

New features compared to previous guidelines

- Matrix-augmented bone marrow stimulation (mBMS), such as the AMIC® procedure, has been included in the recommendation as a standard method for treatment of **chondral defects** from **1–4.5 cm²** as well as for **osteochondral defects** from **0–4 cm²**.
- For the first time, a subdivision in **recommended standard methods** and **methods with potential** but not yet sufficient scientific evidence was made.
- For these recommendations, a **strict separation** of purely **chondral** and **osteochondral defects** with **separately assigned suitable treatment options** was introduced.
- **Focal degenerative** cartilage damage was classified as **suitable** for surgical treatment.
- An **axial deviation >5°** remains a **contraindication** for cartilage regenerative therapy despite a trend to correction of even smaller deviations.
- ICRS grade I and II lesions on corresponding joint surfaces are no longer considered a contraindication even without supplementary treatment.
- Cartilage regenerative surgery in case of **substantially reduced meniscal tissue** continues to be classified as **critical**.

NEW:
AMIC®/mBMS is now included as a standard method in cartilage regenerative treatment recommendations.

FACT:
The best evidence currently available within the group of mBMS is for the use of the Chondro-Gide® membrane (AMIC® procedure).

Link to publication

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[1]
- Compatible with a range of cost-efficient, one-step cartilage regeneration techniques[2,3,4]
- Stable results over 10+ years[5]
- More than 15 years of clinical success
- Biocompatible and naturally resorbed[1]

1 Geistlich Pharma AG, data on file (bench tests and pre-clinical studies)
2 Kramer J, et al., *Cell Mol Life Sci.* 2006 Mar;63(5):616-26. (Clinical study)
3 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)

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