

ZnMg-Scaffold

reACT – Medtech Made in Aachen



Motivation and Relevance

- reACT is an association of various medical technology players from the Aachen technology region
- The goal is reducing the number of operations required to remove implants by up to 40% through innovative resorbable concepts

Approach

- **Degrading implants** to stimulate bone growth and thus achieve complete healing of critical defects made from new **resorbable materials** using innovative manufacturing processes such as **3D printing**

Results

- Patient-Specific Design by AM
- Zink as Novel Resorbable Alloy
- Osteoinductive and osteoconductive effect of the implant while ensuring mechanical stability

Research Area

- Healthcare
- Novel Materials
- Design for AM

Partners



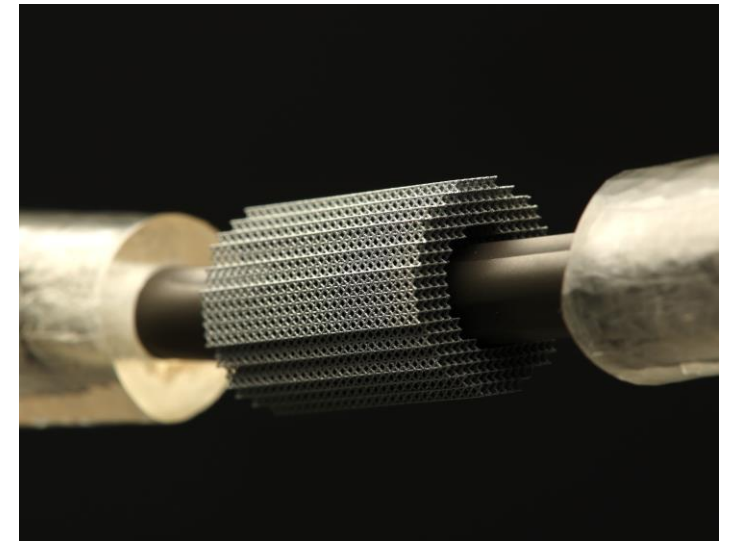
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