

Outcome of the IHI JU Science and Innovation Panel on ideas submitted for potential IHI topics

Reference number of the idea: N° TI_001215

Replace, repair and regenerate oral tissues using medical devices with new and non-compromised chemistry and new digital techniques

Overall opinion

The SIP is of the opinion to keep the idea for consideration with the provision that the types of dental diseases representing the most unmet public health needs across EU are prioritized. The SIP would support focusing on innovative approaches to restore tissue function by replacement and/or enhancement of dental, oral and craniofacial tissues compromised by trauma or disease (e.g. cancer).

The added value of alternative biological solutions and digital techniques to improve the therapeutic modalities for such indications should be explored through different angles:

- Relative benefits (cost-effectiveness) versus conservative methods within the remits of healthcare insurance covering and reimbursement for patients
- Development of new and (environmentally and economically) sustainable biocompatible materials through identification and involvement of industrial partners
- Inclusion of digital technologies to improve cost-effectiveness and aiming at patient relief and affordability.