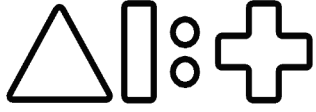


Université Claude Bernard Lyon 1




AI for Health
An ITU Focus Group
In collaboration with WHO



3D Files for the training of health professionals

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Introduction

- Digital transformation of dentistry
- Digital tools (intraoral scanner, cbct, face scanner,...)
- Huge amount of 3D files



Why not in education?

Problematics

- No good, simple and free « educational » software for 3D files
- Development is expensive and business oriented
- Require additional softwares/costs/time
- Sustainability???

Propositions

- Collaborative database
- Open source software
- xAPi possibilities
- Publications

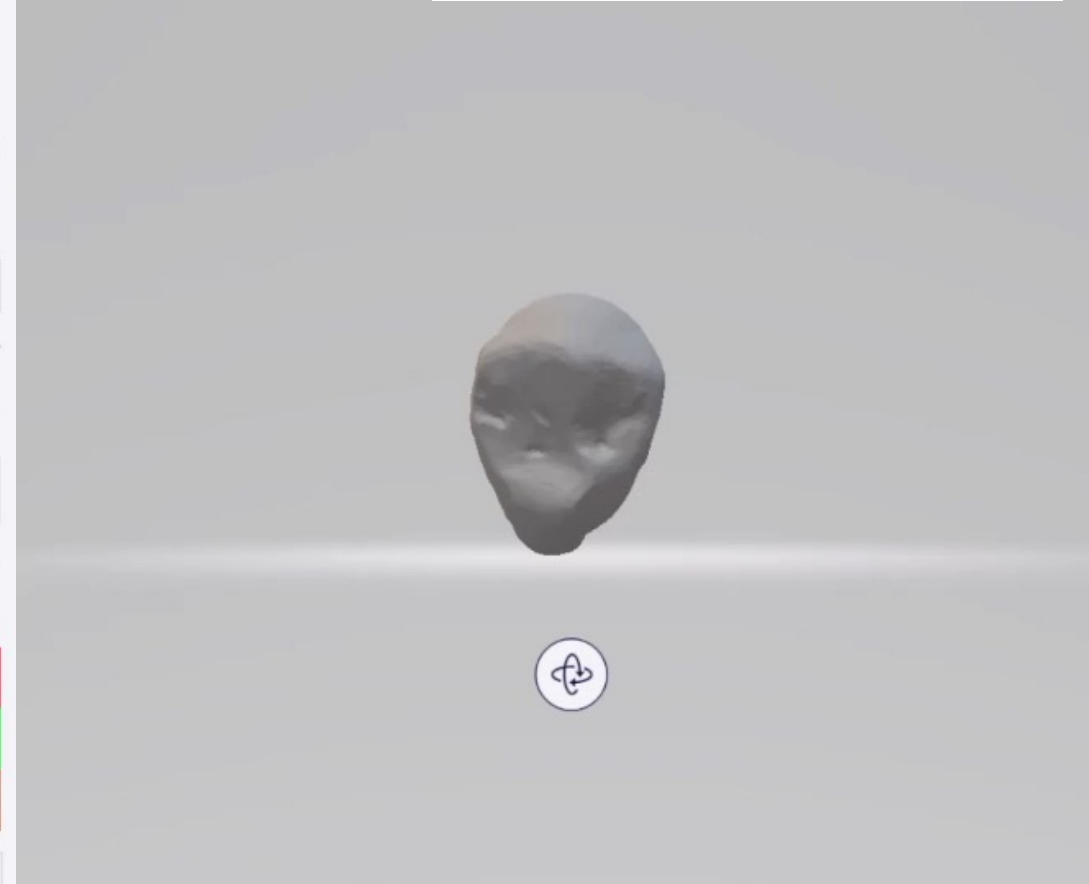
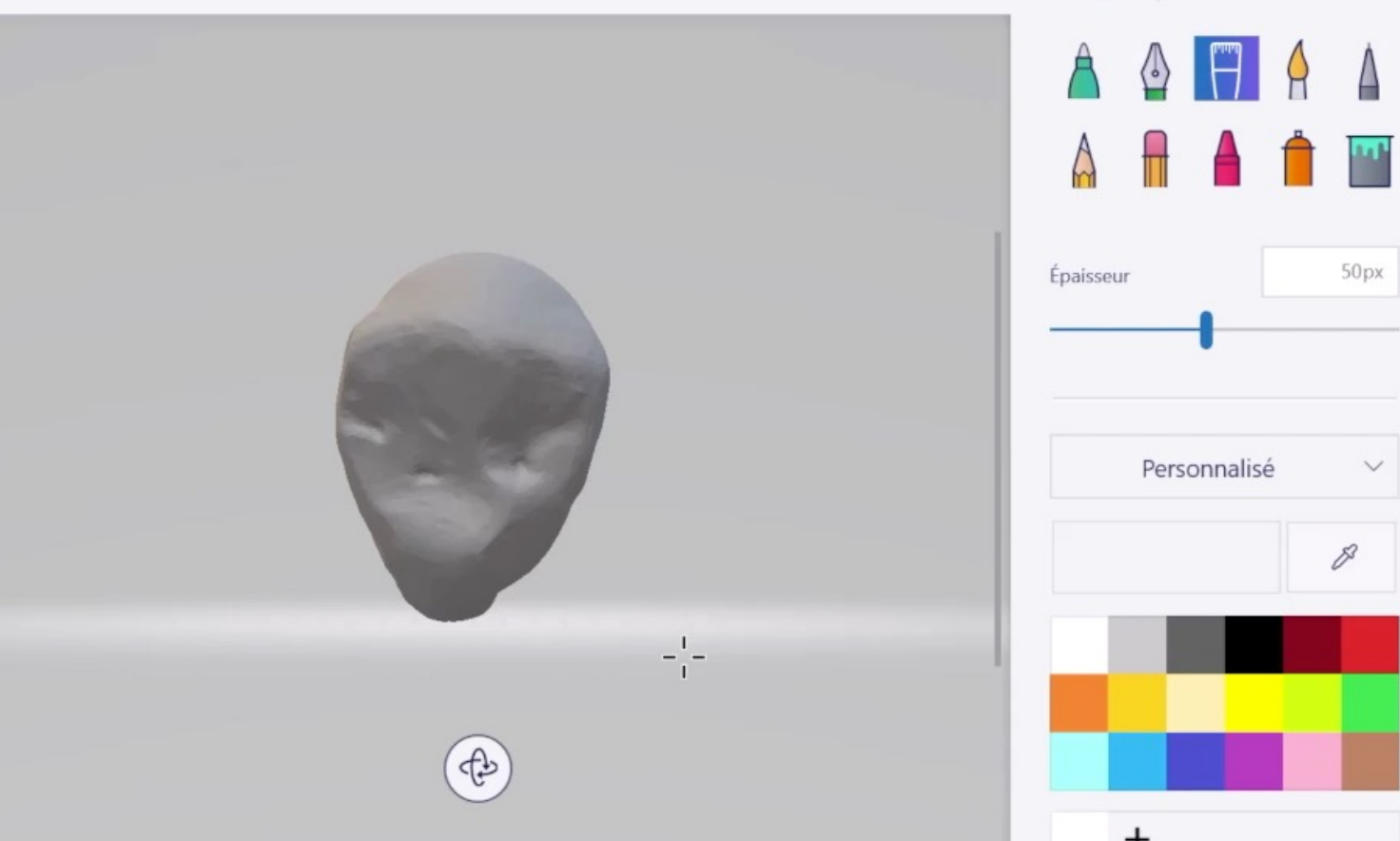


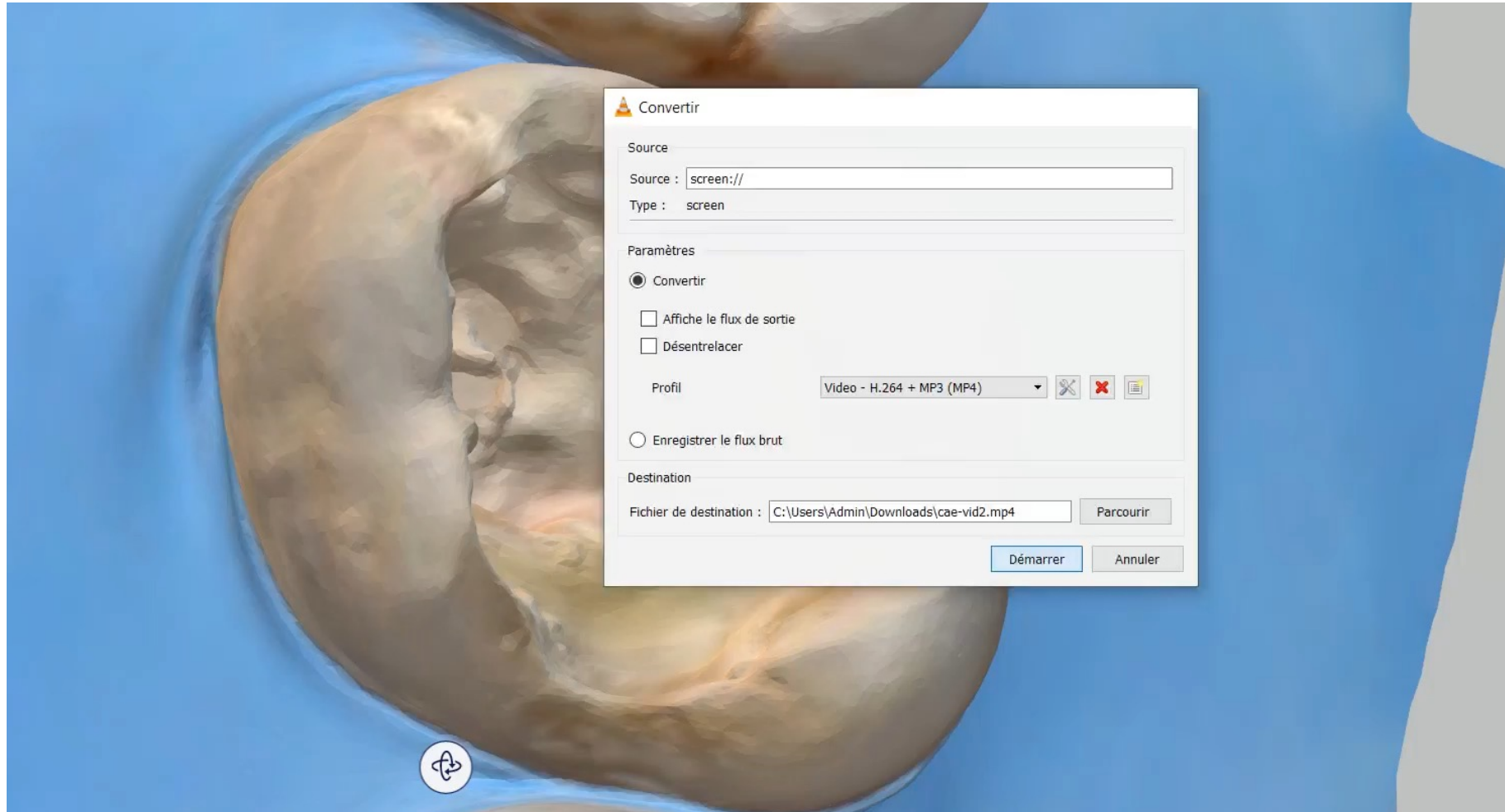


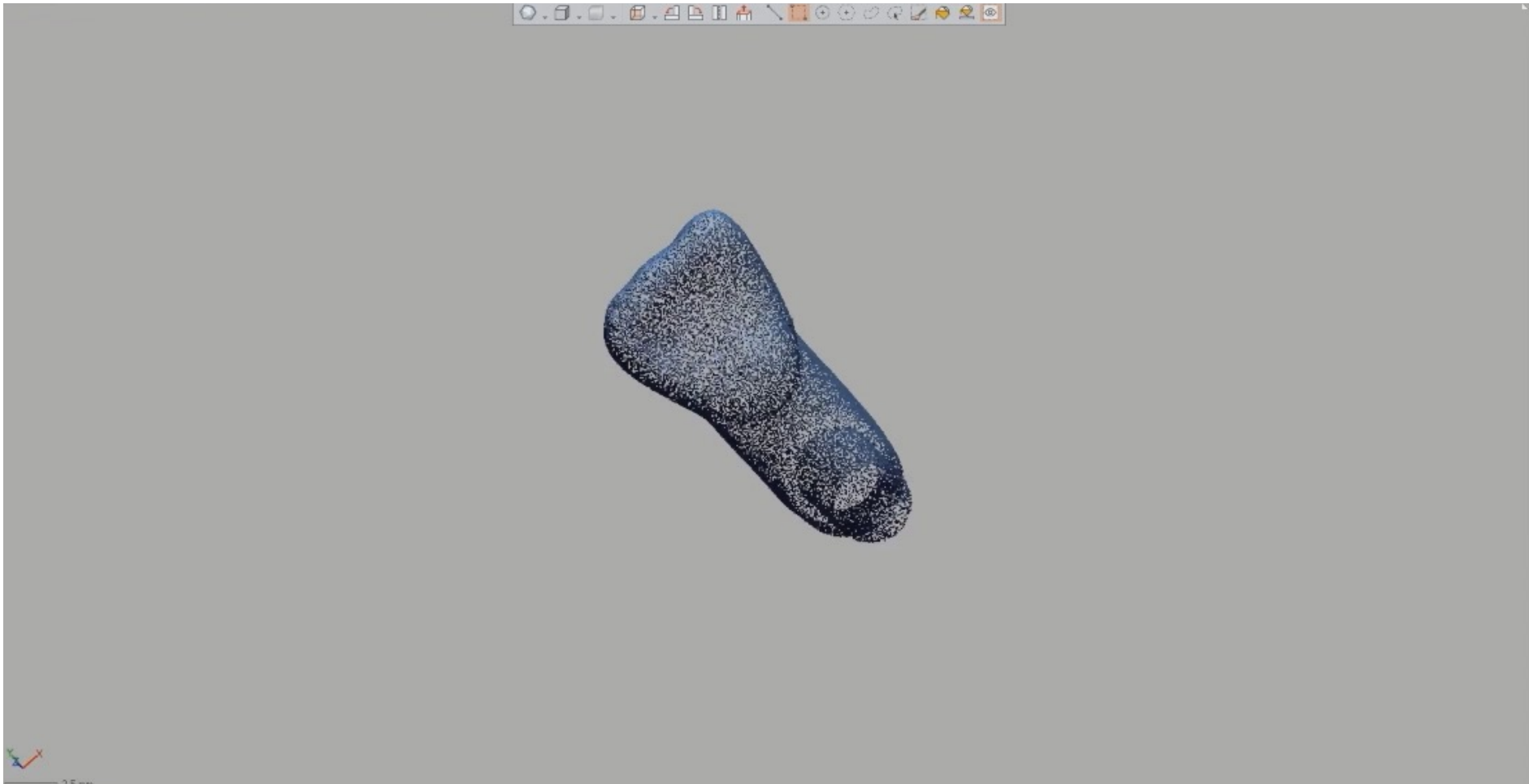
MeshLab



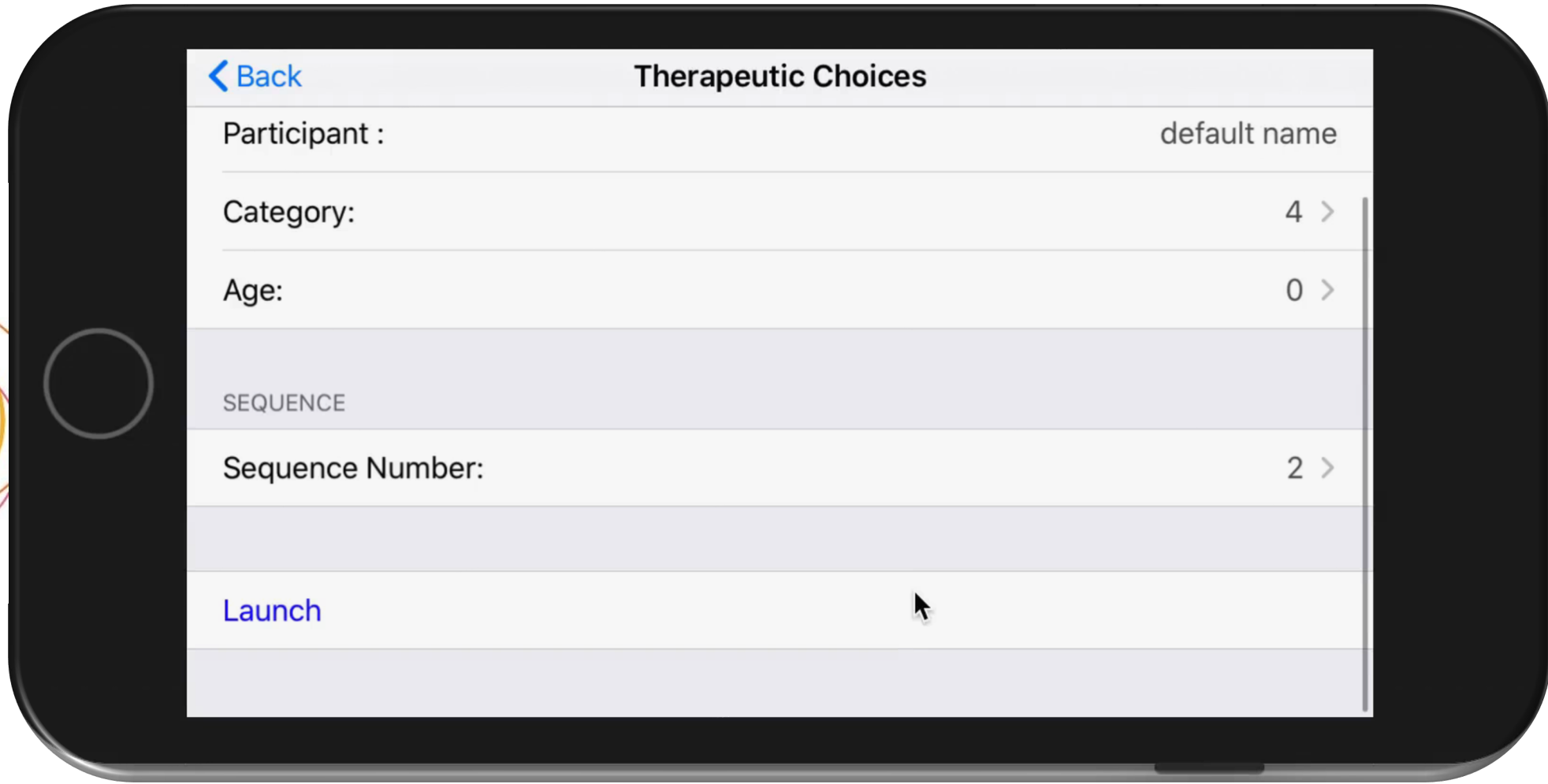
Paint 3D







Cloud
Compare



but...

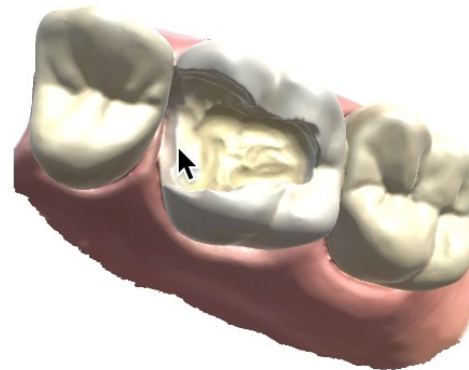
Un patient de 30 ans se présente avec une infiltration carieuse importante d'une résine composite sur la dent numéro 16. Après avoir effectué la dépose du composite ainsi que l'éviction carieuse, vous souhaitez reconstruire la perte tissulaire de ce patient.

Si vous pensiez à réaliser

Et que vous observez

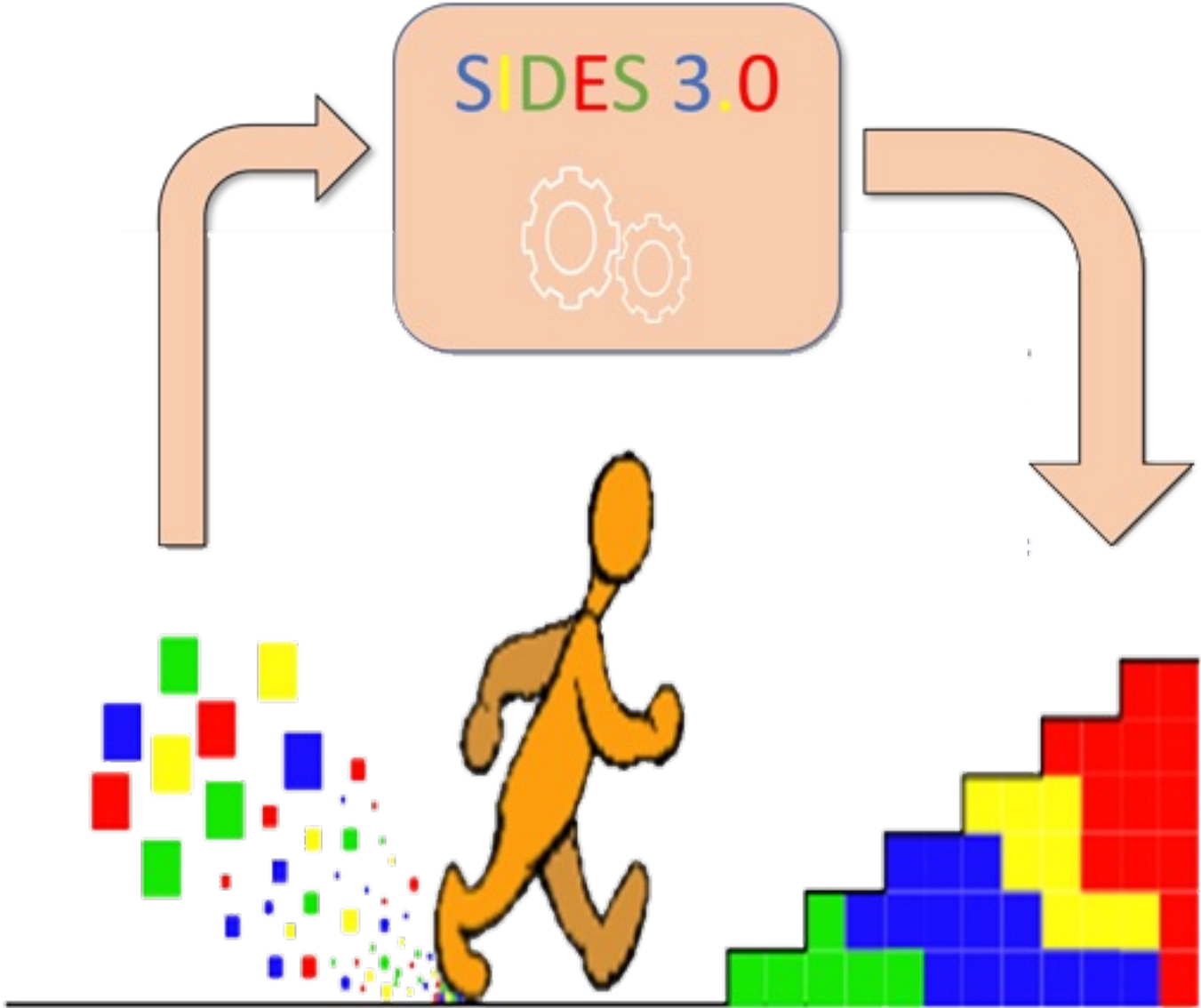
Ce traitement devient

Un overlay



- Très indiqué
- Indiqué
- Peu indiqué
- Contre indiqué

xAPI



Publications

Assessing Decision-Making in Education of Restorative and Prosthetic Dentistry: A Pilot Study

Evaluation of the use of a guided bur during preclinical teaching of tooth preparation: A pilot study

Technical Protocol for Presenting Maxillofacial Prosthetics Concepts to Dental Students using Interactive 3D Virtual Models within a Portable Document Format

Immersive 3D Educational Contents: A Technical Note for Dental Educators

Script concordance tests: A call for action in dental education

Take-home messages

- Think Sustainable education and training of health professionals
- Tools are already here
- Collaborative database of 3D files
- Only new tools connected with educational platforms
- Think xAPI



Thank you for your attention

