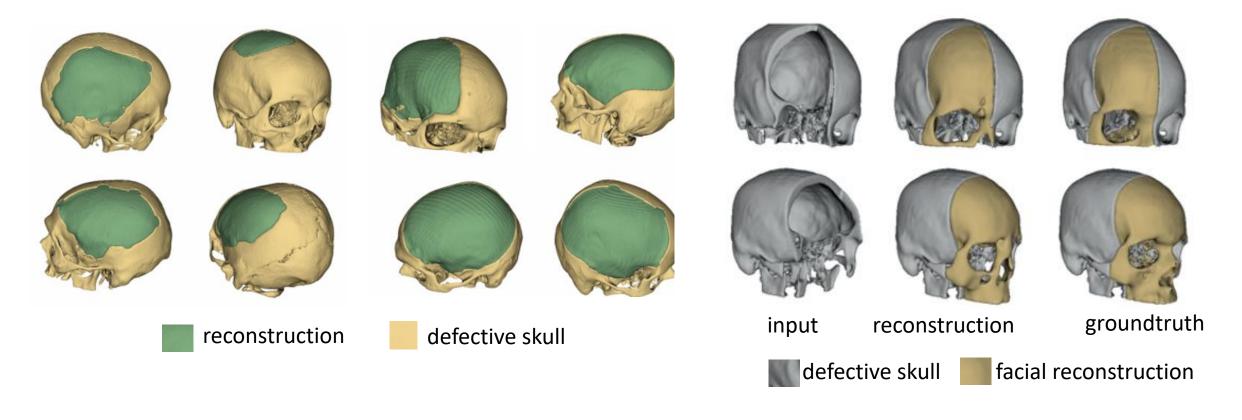
Medical Shape Completion

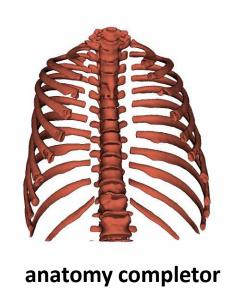
Jianning Li

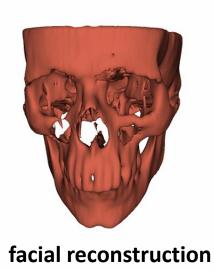
Completing Defective Skulls

for automatic craniofacial implant design

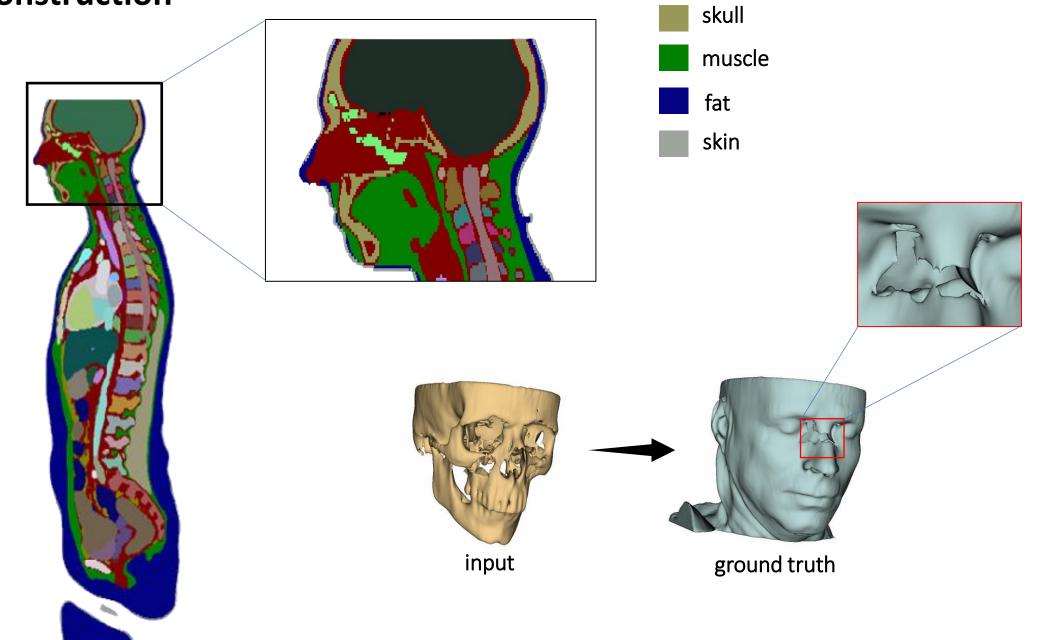


Completing Skeleton Remains

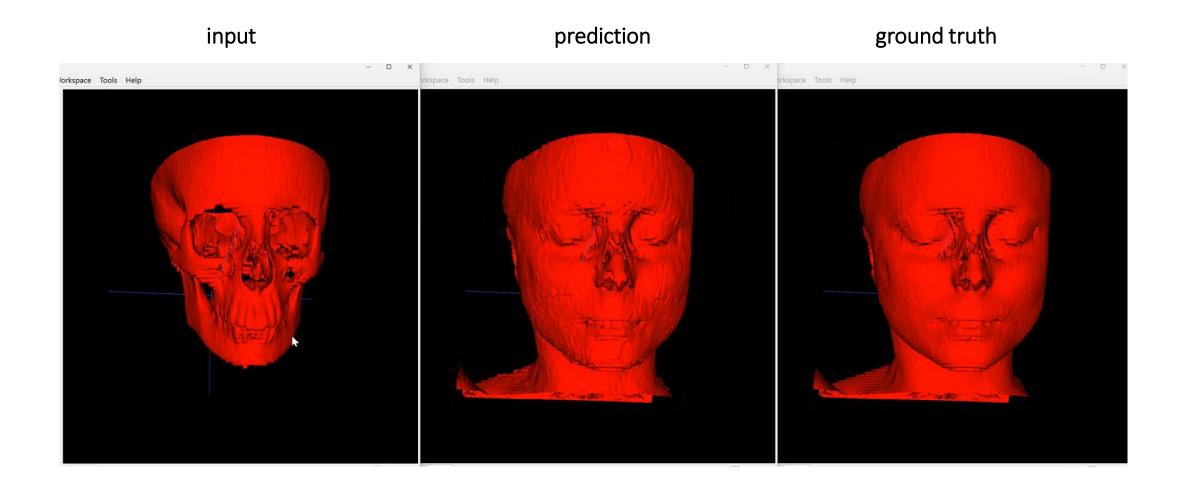




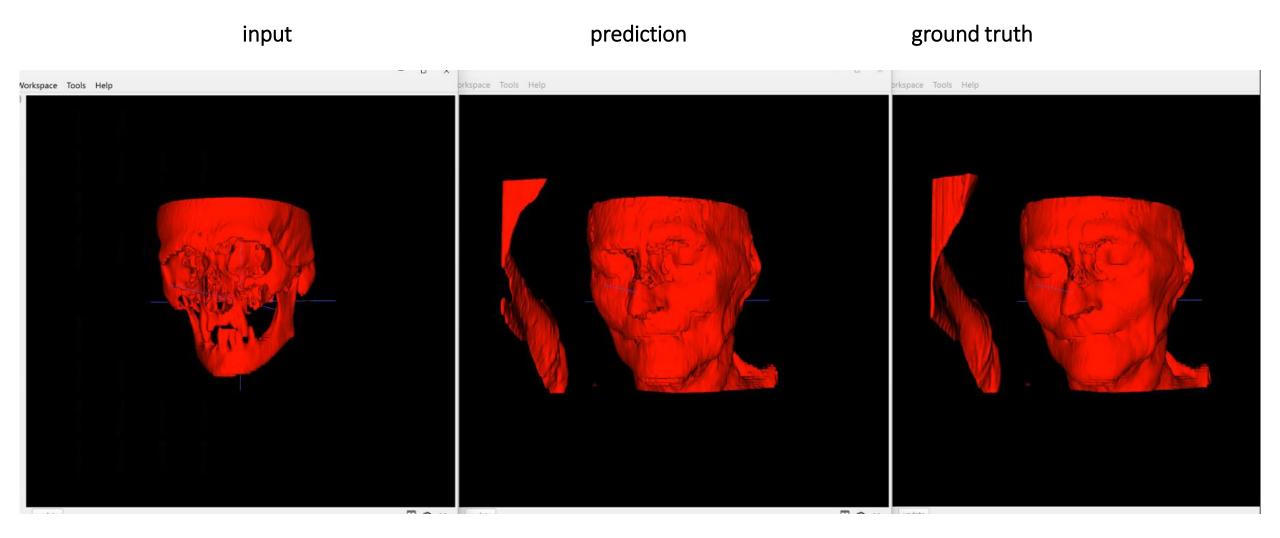
Facial Reconstruction



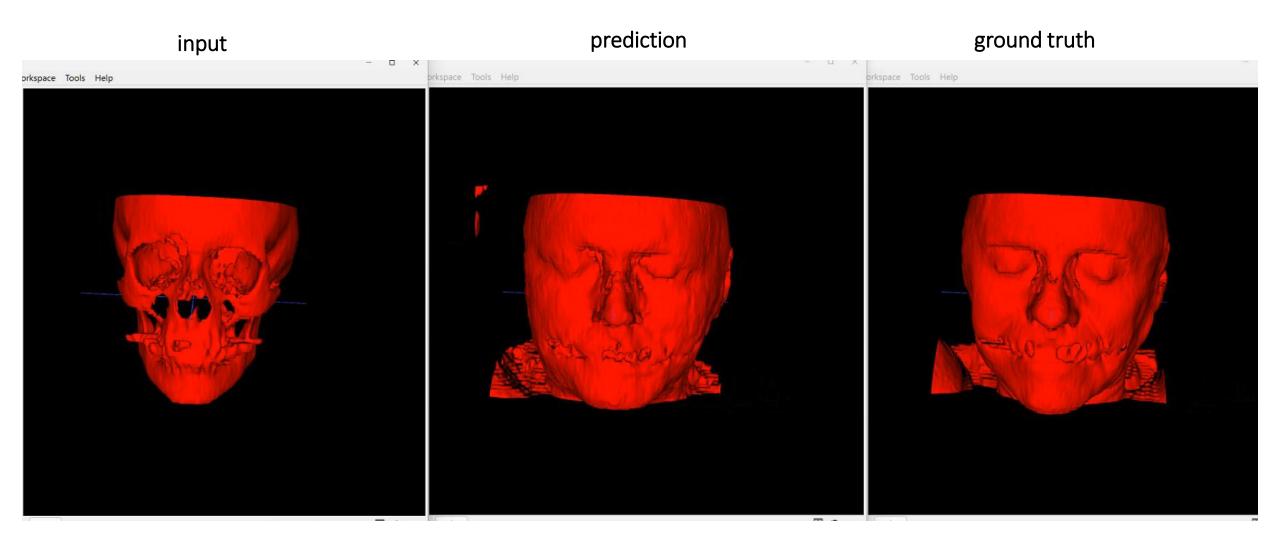
Facial Reconstruction: Gender



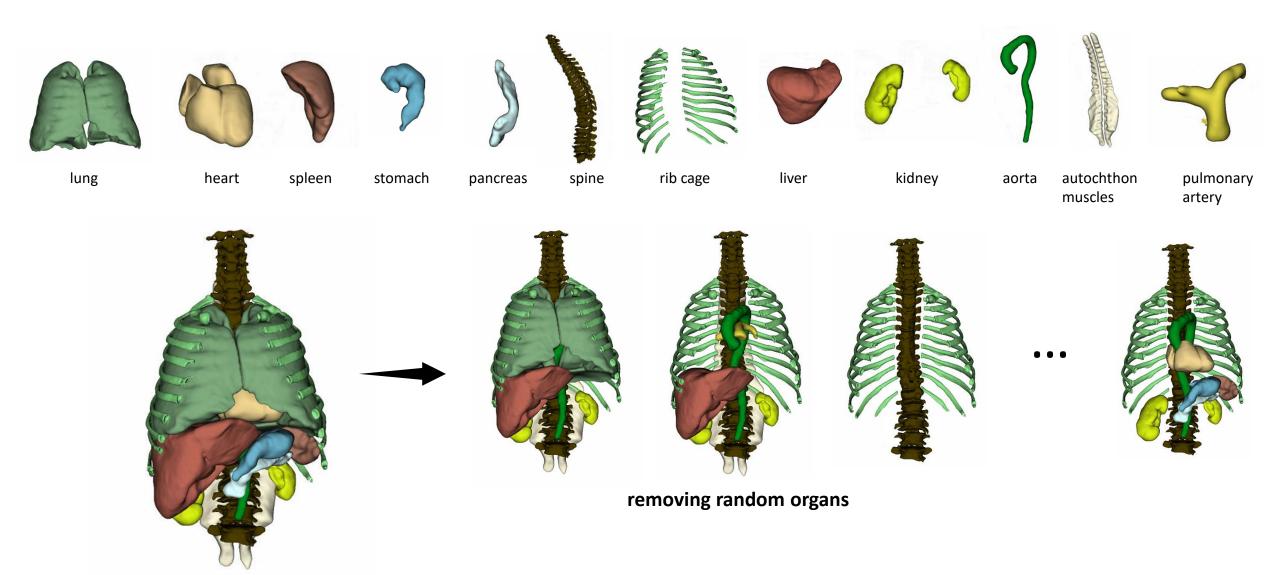
Facial Reconstruction: Age

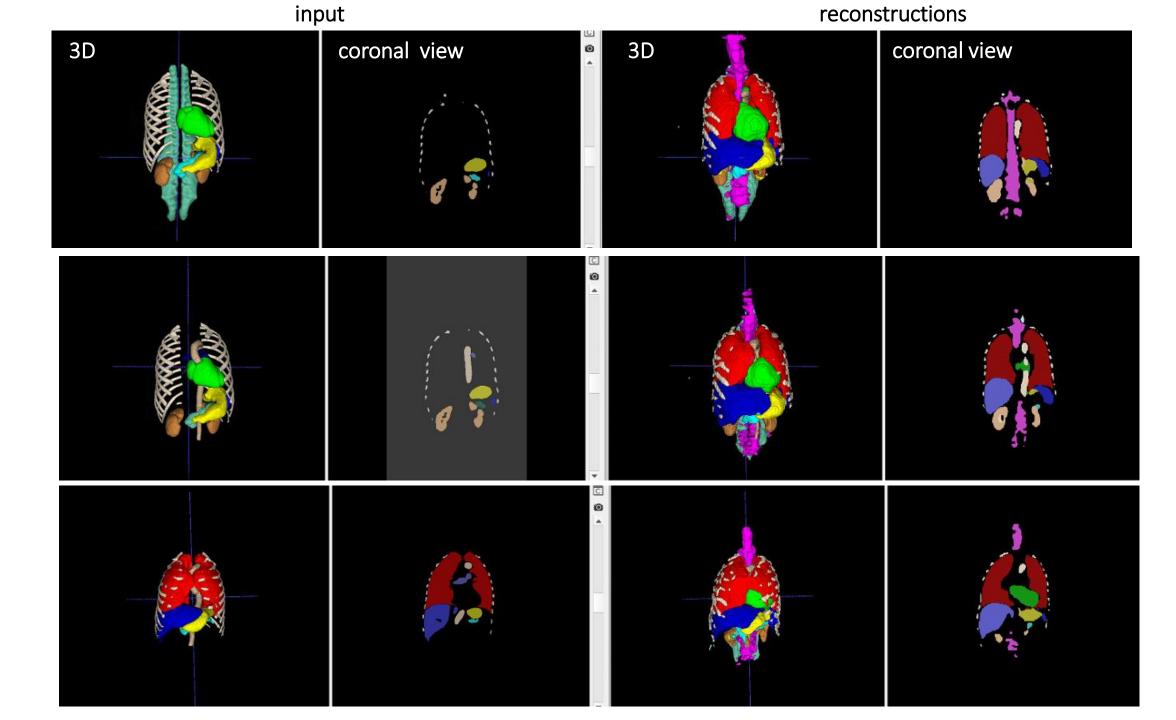


Facial Reconstruction: Demographic



Multi-class Aantomy Completor

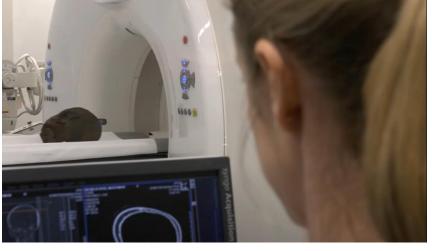




What are the applications?

• Forensic facial reconstruction: archaeology, criminal investigation





youtube@ DurhamUniversity

youtube@ The University of Melbourne

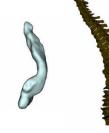
• 3D-printing organs for artificial organ transplantation

























lung

heart

spleen

stomach

pancreas

spine

rib cage

liver

kidney

aorta

autochthon muscles

pulmonary artery