Enhancing Surgical Precision: MR Applications in Surgery

Malcolm Laurie: Chief Commercial Officer







Who am I?

Malcolm Laurie: Chief Commercial Officer

Strategic Focus : Partnerships & Collaborations



20 years marketing & sales, J&J MedTech

Currently seeking: Pioneers, visionaries and

surgeons that are a little crazy

Who are we? apo@l



60 Colleagues, dispersed around the world Creating and developing the Medical Metaverse since 2017



Hamburg, GER



London, UK



New Delhi, IND



Miami, FL, US



Poznan, PL



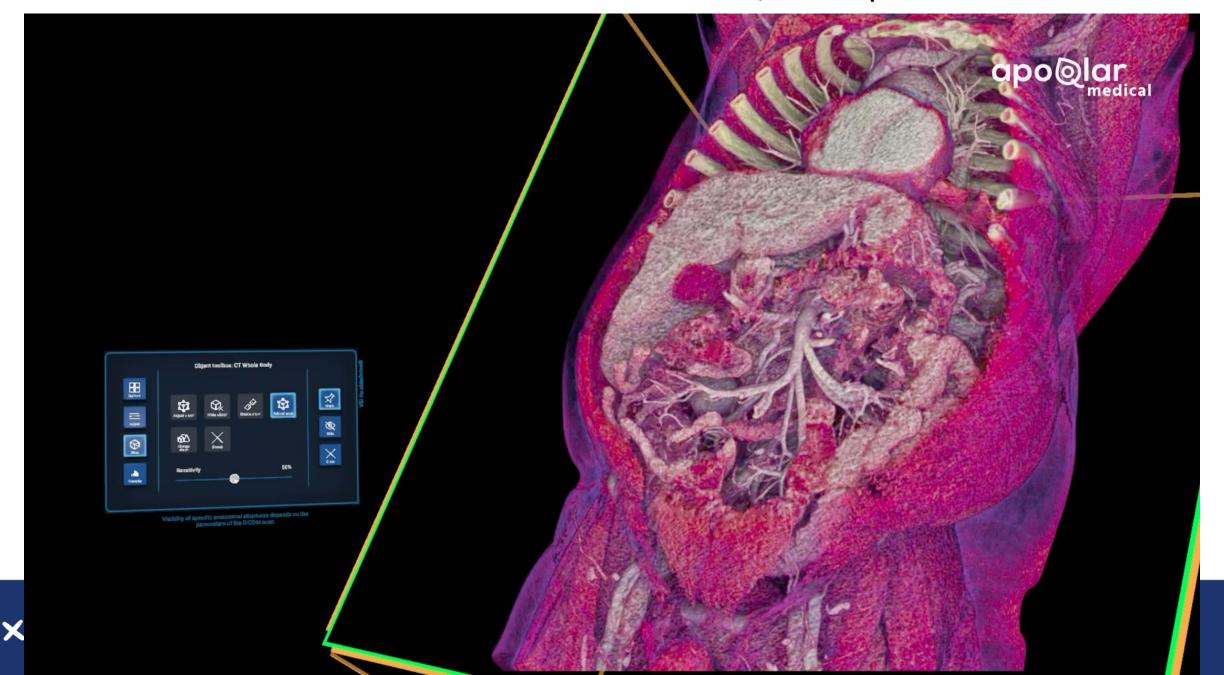
Singapore, SG







What is MR Software? Enhanced Visualisation, a companion for Revisions?



Introducing:



The HoloMedicine® Platform

EDUCATION

in Virtual Reality

PLANNING

in Extended Reality

NAVIGATION**

in Mixed Reality

Education & collaboration

Pre-op planning & collaboration Intra-op & Procedure guidance









medically certified In

countries

deployed across

medical Institutions

consulted by

medical advisors

Medical Certifications & Compliance

FDA 510(k) Approved (USA)

CE Class 1 Registered (EU)

HSA Class A Registered (Singapore)

UK Class 1 Registered (UK)

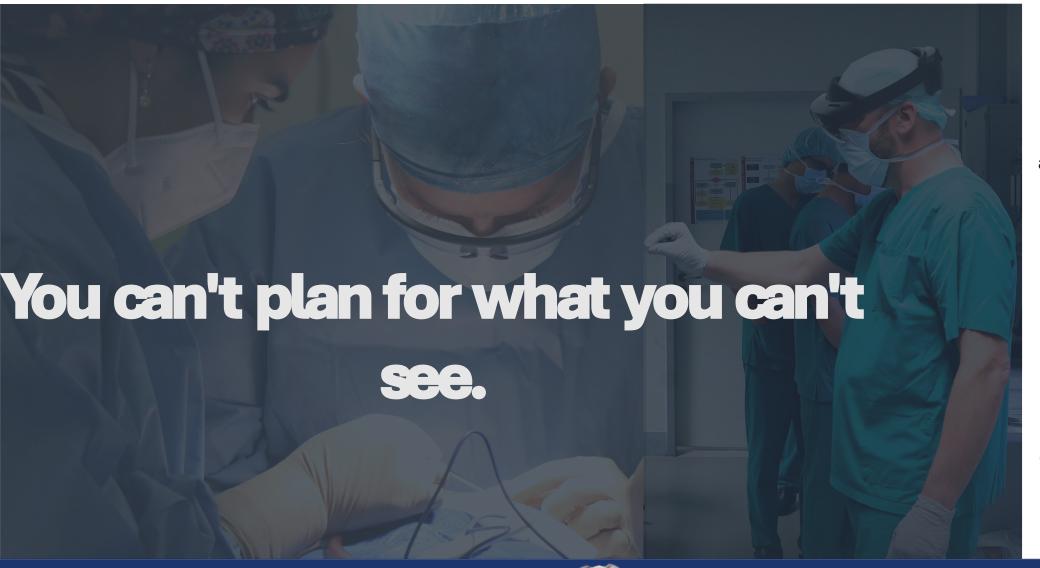
MDSAP Completed 12/2021 (USA & EU)

EN ISO 13485:2016 Compliant

HIPAA & GDPR Compliant



2D Medical Data Has its Limitations



39%

of doctors report anatomical variations on a monthly basis¹.

56%

of adverse events in surgery are **correlated** with human error.

55bn\$
annual costs of medical

liability in the US alone.

XXVII IFSO World Congress



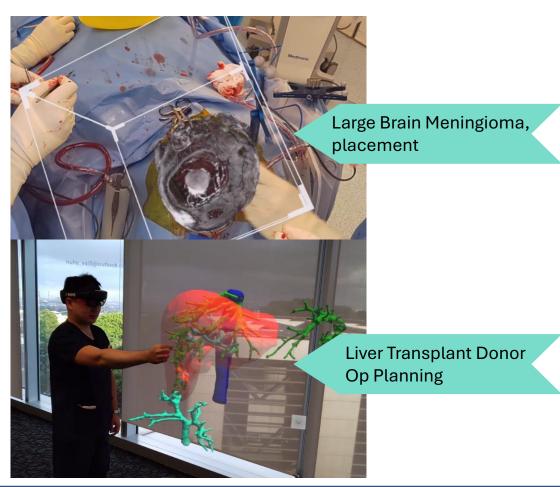
Melbourne 2024

HoloMedicine® Program NUHS – operating since 2020



PET Scan superimposition

Advanced Breast Cancer Op Planning



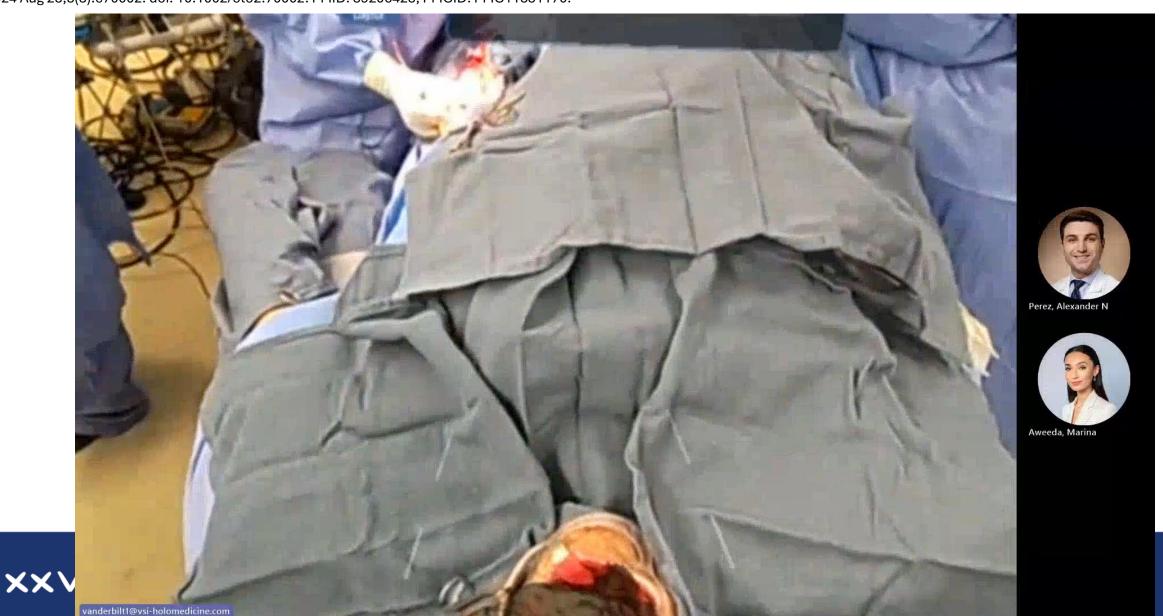


HoloMedicine® Program NUHS – Dr Gao Yugia



Head & Neck Surgery – Vanderbilt University Hospital USA

Aweeda M, Huang L, Perez AN, Ely KA, Mehrad M, Lewis JS, Topf MC. Augmented Reality-Guided Frozen Section Analysis: Bringing the Pathologist From the Laboratory to the Operating Room. OTO Open. 2024 Aug 28;8(3):e70002. doi: 10.1002/oto2.70002. PMID: 39206428; PMCID: PMC11351170.



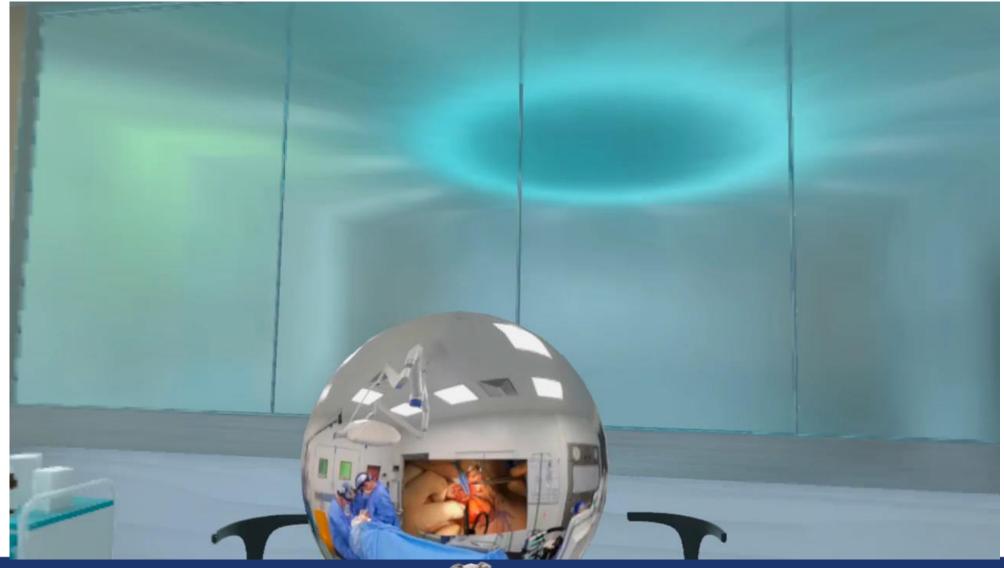
HoloMedicine® Program NUHS – Dr Gao Yugia



Shared Experience & Teams Streaming for Proctoring



Shared Experience & Teams Streaming for Proctoring



Stream from Rita



apo Qlar medical

Experience Collaborative Medicine