Enhancing Surgical Precision: MR Applications in Surgery

Malcolm Laurie : Chief Commercial Officer



XXVII IFSO World Congress



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@lar

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



XXVII IFSO World Congress



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





2D Medical Data Has its Limitations

You can't plan for what you can't

39%

of doctors report anatomical variations on a monthly basis¹.

56%

of adverse events in surgery are <u>correlated</u> <u>with human error.</u>

55bn\$ annual costs of medical liability in the US alone.

XXVII IFSO World Congress



Melbourne 2024

¹ Literature Review of Anatomical Variations: Clinical Significance, Identification Approach, and Teaching Strategies, Cureus. 2021 Apr; 13(4):

HoloMedicine[®] Program NUHS – operating since 2020



XXVII IFSO World Congress



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



MDSO

XXVII IFSO WORID LONGRESS



Shared Experience & Teams Streaming for Proctoring



XXVII IFSO World Congress



Stream from Rita

XXVII IFSO World Congress



apo lar medical

Experience Collaborative Medicine