



ENT IMPERIAL

Delivering Excellence in Surgical Care

CSCO2: Virtual Reality Voxel-man Temporal Bone Simulation

In this station you will carry out the following tasks:

- During this session you will be asked to follow the on-screen guidance and assessed on the following aspects of temporal bone drilling:
 - Wide drilling
 - Sino-dural angle exposure
 - Exposure of short process of incus
 - Delineate facial nerve and thinning of posterior canal wall

You will be assessed throughout, please ensure that all forms are filled in

Thank you



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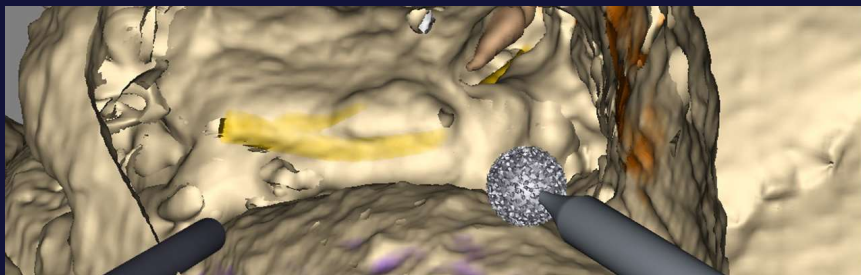
Delivering Excellence in Surgical Care

OTOLOGY: VOXEL-MAN VIRTUAL REALITY TEMPORAL BONE DRILLING

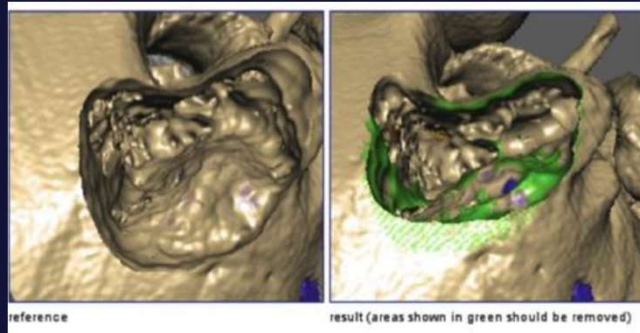
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Voxel-Man VR Temporal bone simulator



Voxel-Man VR Temporal Bone Simulator



Voxel-Man VR Temporal bone simulator



- Virtual reality
- Advantages:
 - Using a simulator platform for case-specific surgical rehearsal
 - Anatomical accuracy
 - Haptic sensation

Objectives



- During this session you will be asked to follow the on-screen guidance and assessed on the following aspects of temporal bone drilling:
 - Wide drilling
 - Sino-dural angle exposure
 - Exposure of short process of incus
 - Delineate facial nerve and thinning of posterior canal wall

Debrief and feedback



- At the end of the session you will receive personalised feedback regarding your performance
- You will also be asked to complete a feedback form assessing face and content validity of the simulation