

VRiMS 2020

Virtual Reality in
Medicine and Surgery

Sept 14 -18

Free for Trainees



A 360 Approach To Training



Outline

Lower limb free flaps for head & neck reconstruction, facial deformity, aesthetics and palsy, hand surgery ENT, prehospital care and anaesthetic simulation, lower limb orthopaedics, breast ablation and reconstruction and vascular techniques



Content

360 virtual reality (VR) prerecorded and live feed video with conventional webinars to demonstrate VR utility in clinical examination, VR description of techniques, VR instrument setup and VR cadaveric dissection



Faculty

Oral and Maxillofacial Surgery, ENT and Plastic Surgery, Breast, Orthopaedics and Vascular Surgery, Ophthalmology, Emergency Medicine, Anaesthetics and HEMS and an international faculty

About Us

The VRiMS group are clinicians that work in Sussex at Queen Victoria Hospital, East Grinstead, Brighton and Sussex Medical School and the Royal Sussex County Hospital. Please help us to better understand VR utility and applications in medical and surgical training by completing the following survey after course attendance. <https://www.surveymonkey.co.uk/r/VRiMS>

Why Have We Come Together?

We have all had to adapt our training strategies during the COVID-19 pandemic and the VRiMS team have been working hard to bring free virtual reality technology to medical, surgical and dental trainees. This immersive experience will be used for clinical demonstration of medical and surgical techniques and simulation training.

New Way of Training
Free For Trainees
Anyone Anywhere
And Immersive



www.virtualrealityinmedicineandsurgery.com

phone +447739997358

to register please complete this survey

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Day 1 Oral and Maxillofacial/Head & Neck Surgery

Perforator free flaps, VR cadaveric anterolateral thigh flap, medial sural artery perforator and fibula free flap, virtual surgical planning, advanced microvascular surgery, workflow in free flap salvage and zygomatic implants.

Day 2 Oral and Maxillofacial Surgery and Plastic Surgery

Facial deformity, MDT assessment & planning, common/uncommon osteotomies, rhinoplasty, blepharoplasty, rhytidectomy, management & VR assessment facial palsy, VR cadaveric gracilis flap, labbes procedure & fascia lata sling.

Day 3 ENT/Head & Neck Surgery

VR flexible nasendoscopy, VR bronchoscopy setup, VR microlaryngoscopy, VR transoral setup, transoral tongue base anatomy and VR anatomy, VR cadaveric pec major flap, VR setup for TORS.

Day 3 Hand Surgery

Principles of hand flap reconstruction, VR cadaveric Moschella and Maruyama flap demonstration, principles of fixation, VR equipment set up & fixation with headless compression screw, VR cadaveric trapeziectomy & post interosseous artery flap.

Day 4 Orthopaedics, Breast and Vascular Surgery

VR mark up for breast reduction, breast reconstruction, implants and autologous procedures, DIEP free flap, VR anatomy of axilla and VR cadaveric axillary clearance, VR cadaveric demonstration of anterolateral and posterior approach to hip, VR demonstration of cementing techniques on saw bone, VR demonstration medial/lateral and posterolateral approach to ankle, VR assessment of lower limb ischaemia, VR cadaveric AV fistula, VR carotid endarterectomy and principles of AAA repair.

Day 5 Anaesthetics, Emergency Medicine and HEMS

VR simulation of critical incident management of malignant hypertension, principles & VR demonstration of fiberoptic intubation, VR axillary nerve block, VR jet ventilation & tracheostomy, VR prehospital trauma simulation/moulage, VR primary survey, VR cadaveric intraosseous access, VR demonstration handover human factors, shoulder injury & VR dislocation reduction, VR emergency thoracotomy.

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Oral and Maxillofacial/Head Neck Surgery Jag Dhanda, Zaid Sadiq, Paul Norris, Brian Bisase, Ash Gulati, Nikhil Maini, Ken Sneddon, Daryl Coombes, James Sloane, Daniel Van Gijn, Mayank Shastri, Tariq Hamid

ENT/Head Neck Surgery Karan Kapoor, Nick Gibbins, Nav Uphile, Cameron Husband-Davies, David Walker, Ajith George, Sam Khemani, Prof Vinidh Paleri, Sean Fang

Plastic Surgery Adam Blackburn, Dan Butler, Ruben Kannan, Asit Khandwala, Nora Nugent, Saikat Ray, Miguel Johnson

Ophthalmology Raman Malhotra

Breast Surgery Charles Zammit, Riccardo Bonomi, Ross Kenny

Orthopaedic Surgery Phill Stott, Gareth Chan

Vascular Surgery Mahmoud Salman, Lydia Hanna

Anaesthesia Chet Patel, Niamh Gavin, Sussane Krone

Emergency Medicine, Chet Trivedy, Genevieve Almond

HEMS Dean Bateman, Luke Banks, Will Charlton

Dentistry Pynadath George (Implant Dentistry), Lindsay Winchester (Orthodontics)

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