VRIMS/GASOC VIRTUAL REALITY SURGICAL CONFERENCE UGANDAN PROGRAM

UCU SoM & ACE (IDI-Makerere), Kampala 26th-29th April 2022





DAY ONE: Tuesday 26th April 2022

INTRODUCTION & STABILISATION OF THE TRAUMA PATIENT

All times in EAT, Kampala (UK BST = EAT-2hrs)

INTRODUCTION to VR (0900-0930 Kampala delegates only) 0900 Registration - - -	Time	Topic	Speaker	Delivery		
O900 Registration - - -						
Introduction to Virtual Reality from the Ugandan-based team Dr Helen Please & Mike Nsubuga	0900		-	-		
Smartphone setup for VR + pre-course questions Dr Helen Please Lecture INTRODUCTION to the VRIMS course	0915		Dr Helen Please & Mike	Lecture		
INTRODUCTION to the VRIMS course Welcome from UK team and introduction to VRIMS Prof Jag Dhanda Lecture Introduction to GASOC, and candidates to introduce their learning needs 1035 Access to Essential Surgical Care: Patient and Prof Mood Bhutta Lecture Provider Perspectives Dr Helen Please, Dr Henry Luweesi, Dr Billy Ndiwalana, Dr Daudi Jijingo 1100 Trauma Care: Epidemiology and Principles of Management 1200 Tea break STABILISATION OF THE TRAUMA PATIENT 1230 Resuscitation and stabilisation: Airway Dr Stel Panayiotou & Prof Mood Bhutta 1300 Simulation Model Demonstration/Cadaveric Dissection Airway: Intubation, cricothyroidotomy, tracheostomy Prof Mansoor Khan Lecture 1445 Resuscitation and stabilisation: Breathing and Circulation 1445 Simulation Model Demonstration/Cadaveric Dissection Breathing: Chest drain Prof Mansoor Khan & Dr Henry Luweesi 1515 Simulation Model Demonstration/Cadaveric Dissection Breathing: Chest drain Circulation Prof Mansoor Khan & Dr Henry Luweesi 1516 Simulation Model Demonstration/Cadaveric Dissection Repair of vascular injuries Pericardiocentesis Prof Mansoor Khan & Dr Henry Luweesi		based team	Nsubuga			
1015 Welcome from UK team and introduction to VRIMS Prof Jag Dhanda Lecture	0930	Smartphone setup for VR + pre-course questions	Dr Helen Please	Lecture		
Introduction to GASOC, and candidates to introduce their learning needs Access to Essential Surgical Care: Patient and Prof Mood Bhutta Lecture 1100 Logistics in Country and Ugandan Faculty Perspective Lecture Henry Luweesi, Dr Billy Ndiwalana, Dr Daudi Jjingo 1120 Trauma Care: Epidemiology and Principles of Management STABILISATION OF THE TRAUMA PATIENT 1230 Resuscitation and stabilisation: Airway Simulation Model Demonstration/Cadaveric Dissection Airway: Intubation, cricothyroidotomy, tracheostomy Airway: Intubation, cricothyroidotomy, tracheostomy 1445 Resuscitation and stabilisation: Breathing and Circulation Simulation Model Demonstration/Cadaveric Dissection Breathing: Chest drain Circulation: Venous access / iv cut-down / intraosseous access Repair of vascular injuries Pericardiocentesis		INTRODUCTION to the VRIMS co	urse			
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Provider Perspectives Logistics in Country and Ugandan Faculty Perspective Lecture Provider Perspectives Lecture Prof Mansoor Khan Lecture Trauma Care: Epidemiology and Principles of Management Prof Mansoor Khan STABILISATION OF THE TRAUMA PATIENT Prof Mood Bhutta Simulation Model Demonstration/Cadaveric Dissection Airway: Intubation, cricothyroidotomy, tracheostomy Airway: Intubation: Breathing and Circulation Resuscitation and stabilisation: Breathing and Circulation Simulation Model Demonstration/Cadaveric Dissection Breathing: Chest drain Circulation: Venous access / iv cut-down / intraosseous access Repair of vascular injuries Pericardiocentesis Prof Mansoor Khan Dr Stel Panayiotou, Prof Mood Bhutta & Dr Henry Luweesi Prof Mansoor Khan Lecture Dr Stel Panayiotou, Prof Mansoor Khan Lecture Prof Mansoor Khan Prof Mansoor Khan & Dr Henry Luweesi						
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Pericardiocentesis		Repair of vascular injuries				
1800 Official Close of Day 1						
	1800	Official Close of Day 1				

Form to be completed **before** the course:







Form to be completed **after** the course:



	DAY TWO: Wednesday 27 th April 2022					
	ABDOMINAL & SKIN TRAUMA; ESSENTIAL ABDOMINAL SURGERY					
	All times in EAT, Kampala (UK BST = EAT-2hrs)					
Time	Торіс	Speaker	VR or Lecture			
	INTRODUCTION to VR (0900-0930 Kampala	delegates only)	•			
0900	Registration	-	-			
0915	Introduction to Virtual Reality from the Ugandan-	Dr Helen Please & Mike	Lecture			
	based team	Nsubuga				
0930	Smartphone setup for VR + pre-course questions	Dr Helen Please	Lecture			
	ABDOMINAL TRAUMA					
1000	Metaverse and Introduction to Mozilla Hubs	Dr Karamveer Narang	Lecture			
1015	Abdominal injuries	Prof Mansoor Khan	Lecture			
1045	Cadaveric dissection	Prof Mansoor Khan &	VR			
	Diagnostic peritoneal lavage	Dr Henry Luweesi				
	Laparotomy					
	Repair of ruptured bladder					
	Repair of diaphragm					
1200	Tea break					
	SKIN TRAUMA					
1220	Wound and burn management	Dr Rob Pearl, Dr Chris Macdonald	Lecture			
1300	Simulation Model Demonstration/Cadaveric Dissection	Dr Rob Pearl, Dr Chris	VR			
	 Primary and secondary wound closure 	Macdonald & Dr Henry				
	Escharotomy and skin grafts	Luweesi				
	Tendon Repair					
1400	Lunch					
	ESSENTIAL ABDOMINAL SURGE	ERY				
1445	Abdominal medicine: preventing and managing life- threatening disease	Prof Mansoor Khan	Lecture			
1600	Cadaveric dissection	Prof Mansoor Khan &	VR			
	 Inguinal hernia repair (elective and emergency) 	Dr Henry Luweesi				
	Nasogastric decompression					
	Reduction of sigmoid volvulus					
	Exploratory laparotomy					
	Appendectomy and drainage appendiceal					
	abscess (open approach)					
	Cholecystectomy and cholecystostomy (open					
	approach)					
	Enterolysis, small bowel resection, colostomy					
1800	Official Close of Day 2					



	DAY THREE: Thursday 28 th April 2022					
ORTHOPAEDIC AND HEAD TRAUMA						
	All times in EAT, Kampala (UK BST = EAT-2hrs)					
Time	Торіс	Speaker	VR or Lecture			
	INTRODUCTION to VR (0900-0930 Kampala	delegates only)				
0900	Registration	-	-			
0915	Introduction to Virtual Reality from the Ugandan- based team	Dr Helen Please & Mike Nsubuga	Lecture			
0930	Smartphone setup for VR + pre-course questions	Dr Helen Please	Lecture			
	ORTHOPAEDIC TRAUMA					
1000	Principles of fracture management & traction	Dr Enis Guryel	Lecture			
1040	 Simulation Model Demonstration/Cadaveric Dissection Cast application for lower limb injuries External fixation 	Dr Heidi Wilson-Le- Moine, Dr Enis Guryel & Dr Okello	VR			
1200	Tea break					
1220	Managing limb injuries	Dr Enis Guryel	Lecture			
1300	 Cadaveric dissection Open fracture initial debridement Lower limb fasciotomy Below knee amputation 	Dr Enis Guryel & Dr Okello	VR			
1400	Lunch					
	HEAD TRAUMA					
1445	Head injury	Dr Jin Ekanayaka	Lecture			
1615	 Cadaveric dissection Burr hole Craniotomy and craniocentesis 	Dr Jin Ekanayaka & Dr Kiryabwire, Dr Oscar Obiga & Dr Deogracious Edemaga & Dr William Bolton	VR			
1800	Official Close of Day 3					



	DAY FOUR: Friday 29 th April 2022					
	ESSENTIAL OBSTETRIC CARE					
	All times in EAT, Kampala (UK BST = EAT-2hrs)					
Time	Topic	Speaker	VR or Lecture			
	INTRODUCTION to VR (0900-0930 Kampala	delegates only)				
0900	Registration	=	-			
0915	Introduction to Virtual Reality from the Ugandan- based team	Dr Helen Please & Mike Nsubuga	Lecture			
0930	Smartphone setup for VR + pre-course questions	Dr Helen Please	Lecture			
	ESSENTIAL OBSTETRIC CARE					
1000	Obstetric medicine: Managing complications of pregnancy (tbc)	Dr John Dalton, Dr Billy Ndiwalana, Dr Cathy Shutt	Lecture			
1030	Model demonstration Assisted vaginal delivery with forceps or vacuum	Dr John Dalton, Dr Billy Ndiwalana, Dr Cathy Shutt	VR			
1200	Tea break					
1220	 Simulation Model Demonstration/Cadaveric Dissection Manual vacuum aspiration Dilation and curettage, culdocentesis, culpotomy Caesarean section Repair ruptured uterus / vaginal tear / cervical tear / perineal tear Salpingotomy/ salpingectomy 	Dr John Dalton, Dr Billy Ndiwalana, Dr Cathy Shutt	VR			
1400	Lunch					
1445	Obstetric medicine: Post-partum haemorrhage	Dr John Dalton, Dr Billy Ndiwalana, Dr Cathy Shutt	Lecture			
1600	Simulation Model Demonstration/Cadaveric Dissection Manual removal of placenta Uterine and utero-ovarian artery ligation Bimanual compression of uterus Uterine inversion Total and sub-total hysterectomy	Dr John Dalton, Dr Billy Ndiwalana, Dr Cathy Shutt	VR			
	DEBRIEF AND CLOSE	I				
1730 1800	Debrief and course feedback End of course					

