Abstract Submissions for The ICOSET Conference 2022

Abstract Status: Submitted

111 Abstracts at this status

Submission ID: Submission By:	23162 Mr Cho Ee Ng	Submission Date:	28/11/2021 17:47:59		
Abstract Title	Systematic review of different methods to collect undergraduate student evaluation of teaching for clinical skill training through clinical skills laboratories in last 10 years				
Co-Authors	Cho Ee Ng, Sharon Ka F	Po Tam, Cathy Carr			
Background/Introduction:	when it is not appropriate of clinical skills laborator familiar with the procedu	e for student doctors to le ies provides a safe enviro re. However, there is var	cal school is common. In particular, earn through patient exposure, the use onment to allow the student to be iability when it comes to the students' challenging for educators to adapt to		
Aims/Objectives:			nical skills training being evaluated and ergraduate procedure training.		
Method:	to collect undergraduate clinical skills laboratories Embase databases to id keywords "undergraduat "quality of teaching", pub evaluating students' perf professionals were exclu	medical student evaluati s. The search was perforr entify relevant reviews, s e medical student", "feec lished between January ormance, postgraduate r ided. The articles were so	ed to examine different methods used on on clinical skill training through med using Medline, Pubmed and urveys and experiments that used the Iback", "evaluation of teaching", and 2009 - January 2019. Publications on nedical training and other healthcare creened by title, then abstracts before be included for review and outcomes		
Results:	review. These studies w	ere heterogeneous in des techniques: 5-point Like	two experimental studies and one sign and methodology. They featured a rt scale, student test-scores and		
Discussion/Conclusion:	be reviewed separately l that medical educators s learning objectives, refle	out there is limited literatu hould focus on the effect ction on methods used to	to postgraduate training hence should ure on the subject. The consensus is iveness of teaching, achievement of o support goals, and accountability to , student perception and satisfaction.		

Poster Only:

Submission ID: Submission By:	23303 Mr Raveen Lasantha Jayas	Submission Date: suriya	04/12/2021 11:46:41
Abstract Title	Designing a trai training to cons		me: from higher surgical
Co-Authors	R Jayasuriya, P Renwicl	k, J Tomlinson	
Background/Introduction:	Higher surgical training i pass FRCS exams, tech preparedness.	n UK deaneries focuses nical skills to fulfil CCT r	on delivery of clinical knowledge to requirements, and clinical
Aims/Objectives:	To explore the themes a Identifying deficiencies in	round non-clinical prepa n training will inform dev	aredness for consultant practice. elopment of new training objectives.
Method:	Mixed qualitative and qu stages of competence.	antitative methods, appr	roaching stakeholders at different
Results:	which currently have dee	dicated courses include	eing delivered in the UK. Specialities paediatrics and ophthalmology. urses demonstrated a wide array of
	what nonclinical skills ar consultant. The strong the	nd knowledge they felt w neme which emerged wa cture, how a job plan is o	ed consultants (<5 years), explored ere necessary to be an excellent new as the lack of preparedness for designed, how to procure specialist ors.
	live interactive survey ur of when they perceive cu	ndertaken by senior train urrent trainees to gain th	views informed the development of a lers in the region. Detailed exploration is experience compared to the ideal demonstrated a clear disparity.
	of perceived challenges reflection of unknown un	provided few responses knowns. Once given the lge are currently acquire	post FRCS trainees. Open questioning and limited variability, which is likely a emes to discuss a similar trend of when d and ideally ought to be delivered
Discussion/Conclusion:	This mixed methods app transition to consultant c	proach identified key topi ourse.	ics to cover in trauma and orthopaedic
			ese identified by consultants pose a

Poster Only:

Submission ID: Submission By:	23567 Dr Hannah James	Submission Date:	08/12/2021 12:11:00
Abstract Title	simulation-train		by cadaveric ard-trained residents: a ed controlled trial
Co-Authors	Hannah K James, Giles	TR Pattison, James Grif	fin, Joanne D Fisher, Damian R Griffin
Background/Introduction:	High-fidelity simulation to	ng curve for hip fracture raining for orthopaedic re mprove outcomes from s	procedures occurs on real patients. sidents using human cadavers might surgery.
Aims/Objectives:	Evaluate if cadaveric sin radiographic and clinical	nulation training for ortho outcomes in patients un	paedic residents yields superior dergoing surgery for hip fracture.
Method:	nine National Health Ser third-to-fifth postgraduat training (intervention) or implant position on first p Screw (DHS), leg-length training received. Secon	vice hospitals in the UK. e year were randomly as standard residency train post-implantation radiogr discrepancy for hemiart dary clinical outcomes w	mised controlled trial was performed at Orthopaedic residents in their signed (1:1) to intensive cadaveric ing (control). Primary outcomes were aph (tip-apex distance for Dynamic Hip hroplasty), analysed per-protocol by ere procedure time, length of hospital nth mortality. Procedure-specific
Results:	standard training. 24 (86 procedures were perform There were superior imp DHS as measured by tip 3.54-90.71) and for hem p=0.004, OR 6.19 (95% use, p=0.007, OR 0.19 (blood transfusion require cadaveric-trained surged	%) completed follow-up. ned on real patients durin b-apex distance =25mm, iarthroplasty as measure CI 1.80-21.31). For DHS, 95%CI 0.05-0.33) and for ement, p=0.007, OR 4.43	of the cadaveric-trained group for p<0.001, OR 17.93 (95%CI d by leg-length discrepancy =10mm, there was less intraoperative radiation r hemiarthroplasty there was a lower (95%CI 1.52-12.95) in patients of lifferences were observed for
Discussion/Conclusion:	clinically meaningful real	ining of orthopaedic resid I-world improvements in Insfusion requirement in h	dents for hip fracture surgery leads to implant position and lower nemiarthroplasty.
All chatragte will be considered for b	ath Oral and Deator proce	station but places tick b	are if you aply wigh to be considered

Poster Only:

Submission ID: Submission By:	24690 Mr Connor Thorn	Submission Date:	03/01/2022 12:54:57
Abstract Title	The Utility of 3 Education: Fee	D Models for Su dback from 106	rgical Training and Cases
Co-Authors	Jonathan Davis, Jack E Alexander Aarvold	Dann, Jim Ballard, C Lock	hart, Andrew Crone, Daniel Crawford,
Background/Introduction:	benefits in simulation, of data on this is scarce.	communication, education	surgical cases. There may be additional a, and training in a surgical setting, yet eon feedback study provides an nd training.
Aims/Objectives:		3D models for surgeon-to ommunication and educa	-surgeon communication, pre-operative tion.
Method:	surgeon feedback surversity	ey. The survey on the mo	ospitals were delivered alongside a del's utility had been designed ide from any clinical benefits reported, ise for surgical training.
Results:	complex surgical cases survey was completed. areas. Specific benefits	between May 2020 and The models were reported were reported on pre-op	cross multiple surgical specialties, for March 2021, for which a feedback ed to have benefits in all peri-operative erative planning (92.4%), inee communication and education
Discussion/Conclusion:	study provides novel fe these models benefitted optimise the education costs, the use of 3D mo	edback on their additiona d communication between of trainees. With more wi odels could become the s	ical benefits in complex surgery, this I benefit to surgical training. The use of n surgeons and were a helpful tool to despread use and optimisation of tandard for unusual and complex I in the education of surgical trainees

Poster Only:

Submission ID: Submission By:	24787 Miss Rachel Eleanor Falco	Submission Date:	04/01/2022 16:11:40
Abstract Title			lot of home-based nequalities in access
Co-Authors	Ms Catriona Semple, P Professor Angus Watsc		, Professor Jennifer Cleland and
Background/Introduction:	procedures, particularly feedback. Simulation a helping to maintain surg important given ongoing	when taught using a disi ims to reduce harm from gical skills outside the the g disruption to routine tea However, access to regul	petency in a range of operative tributed schedule of practice with expert early learning curve errors as well as atre environment. This is particularly iching and training resulting from the ar simulation is often limited by
Aims/Objectives:			ogramme of home-based technical skills le recommendations improvement.
Method:	inequalities and deliver	ed to ST3 vascular traine	esigned to help address existing es. Thematic analysis of participant barriers to engagement.
Results:	can be successful deliv tutorials and trainee-rec barriers to participation.	ered using portable kit bo corded videos for feedbac , which included limited o ceived lack of support for	that regular technical skills simulation oxes, novel 3-D hydrogel models, online ck. However, there were several pportunities for regular practice due to simulation from senior colleagues and
Discussion/Conclusion:	explored in order to ens	ch facilitate regular acces sure equality of access fo aining posed by COVID-1	ss to simulation-based training must be r all trainees, particularly given the 9.
	future include: the provi formal certification of si maximise transferability	ision of protected time (fo mulation modules, flexibil of skills to the real-world	ith regular, self-directed simulation in r both trainees and trainers) and/or lity in the timing of simulation to I environment, teaching on educational rue psychological safety among
All abstracts will be considered for t	ooth Oral and Poster pres	entation, but please tick h	nere if you only wish to be considered

Poster Only:

Submission ID: Submission By:	24885 Mr Tahir Khaleeq	Submission Date:	08/01/2022 19:22:08
Abstract Title	IN PRINCESS F	ROYAL HOSPIT	ENDATIONS DURING
Co-Authors	Patrick Lancaster, Usma	n Ahmed	
Background/Introduction:	managing outpatient refe	errals to the orthopaedic on a push to reduce unnection of the second seco	be a safe and cost-effective way of department. During the coronavirus cessary patient contact whilst
Aims/Objectives:	The objective of this proj management of trauma i without compromising pa	referrals in a socially dista	apid strategy that would allow anced way by reducing clinic traffic
Method:	musculoskeletal present development. Patients b to VFC, referral to face t	ations to A&E prior to CO roadly triaged into 4 cated	how to manage common VID as part of routine service gories; discharge with advice, referral with on call team. The first 9 months seen and outcomes.
Results:	patients were discharged physiotherapy. 3 patients virtual follow-up while 10	d without follow-up and 18 s required admission. Reg 36 of patients required fu	nternal and external sources. 734 32 patients were discharged to garding follow-ups, 431 patients had a rther face to face follow up. 87 patients were referred inappropriately.
Discussion/Conclusion:	orthopaedic injury. Imple same time reduce patier VFC review, the remaini relevant in the current pa	mentation of a VFC allow it contact. Almost half the ng patients were appropri	viewed within 72 hours of their vs this target to be achieved and at the patients were discharged following lately followed up. This is especially unnecessary trips to hospital will e resources available.

Poster Only:

Submission ID: Submission By:	24886 Mr Tahir Khaleeq	Submission Date:	08/01/2022 19:24:35
Abstract Title	Department Of		d Model In The hopaedic Surgery For nam Trust., Tahir
Co-Authors	Ning Lo, Justin King, Alio	ce Turner, Elizabeth Howl	and, TIm Graham
Background/Introduction:	Ward rounds in hospitals treatment processes.	s are crucial for decision-r	naking in the context of patient
Aims/Objectives:	Improve the standard of	ward rounds with a review	v of care and planning.
Method:	College of Physicians ar multidisciplinary, docume board, bedside ward rou mnemonic : R = Respec mobility status, I = Inves	nd Nursing. This includes ented clearly and handed nd and debrief; using Pro t form, E = Electronic Pres	n ward rounds report by the Royal daily ward rounds which will be over to relevant staff; consisting of a mpts in the form of REMIND scribing, M = Mental Capacity, d Hydration, NBM status, D=DVT ces being audited.
Results:	After running a successf project (QIP) was introdu	ul pilot in Respiratory in A uced in Trauma and Ortho	ugust 2021 the quality improvement opaedic surgery.
	re-audit. There was a 85 forms with a 90 % impro improvement in docume	% improvement seen in c vement in electronic presentation of mobility status,	o implementation and 91 in the completion of respect and dementia cribing. There was an 75% investigations performed and NBM MWH prescription also improved by
Discussion/Conclusion:	feasbility of the QIP in of Consultant and nurses.	her departments. Howeve We are overcoming this b	Orthopaedic Surgery shows the er Education should also include ut establishing a virtual module that ctors, consultants and nurses

Poster Only:

Submission ID: Submission By:	25014 Dr Lucie J Wright	Submission Date:	14/01/2022 16:20:11
Abstract Title		Theatre as a Cla Operative Learni	assroom: A Scoping ng Environment
Co-Authors	Lucie Wright		
Background/Introduction:	education takes place i in the operating theatre Threats to surgical train	n the clinical arena. Surgi – an environment that is hing are well documented	cultural and physical space where cal training predominantly takes place subject to many competing pressures. : it is therefore vital that we understand eing delivered so that it can be fully
Aims/Objectives:	To map literature exam	ining the clinical learning	environment of the operating theatre.
Method:	O'Malley and modified CINAHL and PsychINF	by Levac. A literature sea O) and, through an iterati	gy originally described by Arksey and rch was performed (MEDLINE, ve process, the papers meeting the ematic analysis was then performed.
Results:	Environment (OLE) for questionnaires to 'mea Features of the OLE ca factors and trainee-spe Recurrent sub-themes Operating theatre: extra sometimes challenging Interpersonal: the dyna Cognitive dissonance of expectations of roles, p feedback process. "Bod events were cited as in	surgical trainees. Many re sure' the clinical learning of include: factors relating cific factors. included: eme temperatures, noise learning environment. mic between trainee and can exist between them wi berception of quality of trai obkending" with pre- and po- inportant features of a posi-	hed the Operative Learning esearchers have made use of validated environment in the operating theatre. to the operating theatre, interpersonal and time limitations all contribute to a trainer was pivotal and complex. ith points of divergence including: ining and the effectiveness of the ost-operative supportive learning itive learning environment.
Discussion/Conclusion:			available for surgical training can be – trainees, trainers and patients alike.

Poster Only:

Submission ID: Submission By:	25071 Submission Date: 18/01/2022 04:10:37 Miss Rebecca Anne Fisher		
Abstract Title	'The woman who has it all': A qualitative study of motherhood in UK surgical training		
Co-Authors	Rebecca A Fisher, Susan Smith		
Background/Introduction:	Surgical training has a reputation of not being family friendly, which is an issue for recruitment and retention of female surgeons who wish to have children during training.		
Aims/Objectives:	We aimed to learn more about how mothers manage to complete training despite significant pressures.		
Method:	In this qualitative phenomenological study we interviewed 11 female senior trainees and junior consultant surgeons in the UK, and conducted a thematic analysis of their challenges and solutions, impact on professional identity, and possible systemic solutions.		
Results:	Several significant challenges were found, which often involved the difficulty finding childcare that was flexible enough to support surgical shifts. Most participants relied on their partner and family for childcare, as the unpredictable nature of operating meant leaving work on time created tension with trainers. For those who hadn't moved near family, childcare was a significant financial burden, which meant for some they couldn't afford to restart training in another specialty. Many found that parenthood honed their time management, and created good contrast with work life. Lack of a two-way conversation with Training Programme Directors was a significant stressor, creating conflict during annual assessments. Participants described a shift in professional identity away from a 'rising star' persona to someone with changed priorities needing to defend their life balance. Lack of local knowledge regarding occupational health and maternity pay meant trainees rely on informal networking to have safe working conditions and correct pay during the maternity period. Most cited a single conversation with a supportive supervisor that prevented them leaving the profession.		
Discussion/Conclusion:	This study shows that balancing motherhood and surgery in the UK is feasible, but interventions in deaneries and training organisations could lead us to a future where they are better supported. Normalising motherhood is needed to normalise modern family structures, and is essential for gender equity.		
All abstracts will be considered for both Oral and Poster presentation, but please tick here if you only wish to be considered			

Poster Only:

Submission ID: Submission By:	25074 Submis Dr Joanna Aldoori	ssion Date:	18/01/2022 12:30:31
Abstract Title	The Theatre Training improve training with		
Co-Authors	Mr M Peter, Mr D O'Regan, Mr A	A Robson	
Background/Introduction:	(nurses, operating department p Equity of access is essential to a Traditionally, opportunities within	practitioners [ODP achieve their indiv n a theatre list are pint during the list	e informally discussed between . Furthermore, there is currently limited
Aims/Objectives:	The Theatre Training Checklist (coordination of training for all tea	(TTC) is a simple am members.	framework that aims to facilitate
Method:	consists of four stages: Trainer/ training goals for the list, formal explanation to the team of what debrief to reprise whether trainin	Trainee discussio identification of a each trainee will ng goals were me	rld Health Organisation Checklist. It n before theatre brief regarding Il trainees within the theatre brief, undertake, followed by use of theatre t. The TTC was piloted and outcomes questionnaire from across the entire
Results:	including: nurses, ODPs, anaest consultant anaesthetists and su objectives improved as a result of improved theatre list efficiency (improved achievement of their tr	thetic and surgica rgeons. Individual of the TTC (25/27 18/27, 66.6%). Al raining objectives udents and traine	7, 92.6%) along with perceived I trainees agreed that the checklist . Qualitative feedback included: "This ses want to achieve in theatre and how
Discussion/Conclusion:	Initial data suggests the checklis improve future workforce training coordination of training and enal Toolkit is available for use and c	g within the opera bling high functior	proves training. The TTC could ating department, ensuring ning of the theatre team. The TTC ecklist tool and an instructional video.
All abstracts will be considered for t	oth Oral and Poster presentation,	but please tick he	ere if you only wish to be considered

Poster Only:

Submission ID: Submission By:	25177 Mr Conor Sheahan	Submission Date:	19/01/2022 20:00:46
Abstract Title		ocieties - A "Virt ng the Covid 19	ual Beacon" for Interest Pandemic.
Co-Authors	NiFhearaigh1, Prof. Ca	milla. Carroll1,2 [1] The R	Shimali1, Alyssa. Clark1, Rachel. oyal college of Surgeons in Ireland School of Medicine, Dublin, Ireland
Background/Introduction:	The Covid19 Pandemic training to medical stud	has negatively impacted ents and surgical trainees	the delivery of surgical education and in Ireland.
Aims/Objectives:	play in facilitating surgion third level education. W	cal education during gove e utilised a validated onlir	t-run surgical society (SRSS) might rnment mandated closure of in-person ne questionnaire composed of 25 pols in Ireland via email and social
Method:	through SRSS engager	nent positively influences	ly in the medical student journey students' attitudes towards surgery as peline" will ultimately benefit patients.
Results:	and UCD. The top 5 su (23.2%), general surger orthopaedics (11.0%). S (n=101). Speaker event	rgical specialties which in ry (16.5%) plastic surgery Student preference was fo	. 68% of responses came from RCSI terested students were neurosurgery (14.6%), cardiothoracics (12.2%) and or trainee delivered talks 61.6% ences (22.0%, n=36), and social media beneficial engagements.
Discussion/Conclusion:	has resulted in limiting s setting. Compounding t teaching in the modern students are interested	student exposure to clinic he trend towards reducing medical school curriculur	reduced over the past 24 months. This al surgical education in a hospital g undergraduate clinical surgical n. This study suggests that medical surgeons in training and the SRSS urgical specialities.

Poster Only:

Submission ID: Submission By:	25193 Mr Adarsh P Shah	Submission Date:	21/01/2022 08:15:53
Abstract Title	Scotland's Imp of two cultural		Fraining (IST) pilot: a tale
Co-Authors	Adarsh P Shah, Jennife	er Cleland, Lorraine Hawi	ck, Kenneth G Walker, Kim Walker
Background/Introduction:	between service and tra relationship due to duty	aining, the loss of the sur hour regulations and the standing the context and	d as a means to rebalance tensions gical "firm", and the trainee-trainer move to shift working. As with any mechanisms of change linked to
Aims/Objectives:	IST in Scotland, a conte particularly interested in	ext where IST was impler	rainer, and key stakeholder views of nented on a nationwide basis. We were f organisational and departmental successful change.
Method:	across Scotland, and U initial analysis was indu implicit issues/factors w implementation of IST.	K-wide stakeholders (n= ictive (data-driven). This a /hich seemed to be acting To illuminate these furthe al web (Johnson, 1988) w	inees (n=46) and trainers (n=25) 16) involved in IST. After transcription, analysis indicated many explicit and g as barriers or facilitators to the er, we carried out a secondary analysis hich organised the data into six
Results:	recommendations (day the data indicated that played out related to O (e.g., rota design and s management), the Con	time training, enhanced s how IST was enacted wa rganisational Structures (tructures), Power Structu trol System (e.g., consult	web e.g., the importance of IST upervision) were widely held. However, s different across localities. How this e.g., geographical set-up), Symbols res (e.g., relationships with hospital ant job plans), Rituals and Routines ical [local] training culture).
Discussion/Conclusion:	training. Making explicit	t the elements of organisa	the product of service delivery and ational culture(s) that pervade efforts to d influence the quality of patient care.

Poster Only:

Submission ID: Submission By:	25195 Ms Amalie Asmind Rosenda	Submission Date: al	21/01/2022 09:06:38
Abstract Title		mulation Based	echnical Learning Surgical Training: A
Co-Authors	Amalie Asmind Rosenda Rölfing, MD, PhD & Run	II, Sigurd Beier Sloth, ME e Dall Jensen, MSc, PhE), Magnus Bie, RN, Jan Duedal)
Background/Introduction:	safety, as it allows the su patient interaction. The s include both technical ar be seen as intertwined.	urgeon to practice deliber skills needed to deliver ca nd non-technical skills. Re However, most literature	al training (SBST) enhances patient rately and refine surgical skills prior to are to patients are multifaceted and esearch shows that these skills should investigates the skills as separable g room (OR), which may hamper
Aims/Objectives:	This scoping review aims and non-technical learnin objectives are related.	s to identify published lite ng objectives in SBST an	erature on the use of both technical d investigate how the two learning
Method:	study searched four data	bases for simulation-bas sed empirical studies on s	sessment, and simulation the present sed studies on surgical skills training. surgical training addressing both
Results:	these 102 met inclusion During our analysis, an e identified, neglecting trai technical and non-techni	criteria and were include emphasis on technical sk ning of non-technical skil cal skills in SBST. Only 3 technical and non-techn	ills training in published literature was Is as well as the integration of 31 of the included articles addressed ical skills. These articles mainly
Discussion/Conclusion:	non-technical surgical sk present study investigate and increase transferabil included in the present s	ills and integration of tec es whether such integrati lity to the OR, ultimately tudy suggest that improv	ions addressing the importance of hnical and non-technical skills. The on might improve learning outcomes improving patient care. Articles ement and integration of non-technical nce and technical skills acquisition.

Poster Only:

Submission ID: Submission By:	25224 Ms Sophie Howles	Submission Date:	22/01/2022 20:10:13
Abstract Title	0	and harassment	e reporting of incidents of amongst UK surgeons
Co-Authors	Ms Sophie Howles, Ms [Deepa Bose	
Background/Introduction:	issue of sexual assault v and consultants in the U harassment and assault.	vithin surgery, and since i K have spoken openly ab The authors of this pape	ng S and Fisher R 2021) highlights the its publication many surgical trainees bout their experience of sexual er emphasize the importance of and massive cultural change within our
Aims/Objectives:	of incidents of sexual ha potential blocks to report	rassment and assault wit ting. Based on these resorrove the mechanisms for	ne the attitudes towards the reporting hin the surgery, and to identify ults, we hope to make r reporting these incidents, and for
Method:	surgical trainees of any a demographic details and Questions regarding kno	age, grade or speciality. F I answer some questions	king responses from UK surgeon and Respondents were asked to give about their own experiences. hanisms, confidence with reporting g a 5 point Likert scale.
Results:	significant number of sur responsibility for reportin mechanisms, potential in reporting decisions. Wit	geons during their caree ig these incidents but lack npact on career and lack	sexual harassment and assault affect a rs. Most respondents felt a degree of k of knowledge about of reporting of anonymity all play a part in ' questions, many participants e within our speciality.
Discussion/Conclusion:		eded to explore ways in w g of incidents of sexual ha	which better support can be provided to arassment and assault.

Poster Only:

Submission ID: Submission By:	25232 Miss Rebecca Skov	Submission Date:	24/01/2022 10:08:36
Abstract Title	reduces stress		endovascular assistants am performance during pair
Co-Authors		g, Christian Sylvest Meyho	waetz, Lars Konge, Lise Westerlin, off, Katja Vogt, Tomas Ohrlander,
Background/Introduction:	development calls for n simulation-based educa physicians, although su impairs the learning pro	ew training strategies for ational (SBE) programs ha iccessful surgery is a mul	ave a monodisciplinary focus on tidisciplinary team effort. Mental stress nance, and heart rate variability (HRV)
Aims/Objectives:			cular nurse assistants (EVA) affects r aneurysm repair (EVAR).
Method:	SBE EVAR program. D recorded with a wireles assessed with the Impe SBE program, allowing	uring real-life EVAR-proc s ECG patch, and multidis erial College Error CAPtur each EVA to serve as the	experienced EVAs followed a focused edures, HRV was continuously sciplinary team performance was re (ICECAP) tool, before and after the eir own control. Eight EVAs with es, but not EVAR, were invited to
Results:	levels during real-time l SBE. Mean HRV increation reduction. Before SBE,	EVAR procedures were lo ased from 24 msec to 35 r the mean number of erro	but of seven EVAs, HRV-derived stress ower after SBE compared to before msec ($p < .001$), indicating stress level rs/hour was 7.3 (SD ±1.8) compared to orized as technical (58 %) and
Discussion/Conclusion:	procedures. In this sma proxies of SBE effective	all study, we suggest HRV eness in real-case EVAR	owers mental stress during EVAR / derived mental stress and ICECAP as procedures. This SBE program, as well was well-accepted by EVAs and the

Poster Only:

Submission ID: Submission By:	25233 Mr Conor Toale	Submission Date:	24/01/2022 10:34:39	
Abstract Title	Examining the Reliability of Workplace-Based Assessments of Operative Competence in Core Surgical Training in Ireland			
Co-Authors	C Toale, M Morris, D O	'Keeffe, F Boland, DM Ry	van, DM Nally, DO Kavanagh	
Background/Introduction:	Competency-based train methods.	ining programmes require	e reliable summative assessment	
Aims/Objectives:	Performance (SSAOP) trainees in Ireland. Obje SSAOP assessment in surgical procedures; la excision of a skin or su across all procedural as	tool in determining the op ectives: 1. To determine determining a trainee's o paroscopic appendicector boutaneous lesion. 2. Det ssessments. 3. Calculate ments of performance in	Structured Assessment of Operative berative competence of core surgical the reliability coefficient of a single perative competence in three common my, open inguinal hernia repair, and ermine the reliability of the SSAOP tool the number of observations required to the three named procedures and	
Method:	assessment the above procedural assessment of assessments and ob	named procedures were ts. Generalizability and de	I were analysed. Reliability analyses for compared to those across all submitted ecision studies determined the number re a reliability coefficient (G) of =0.7 and sment respectively).	
Results:	rating was more reliable achieved using a single appendicectomy cases =0.70 cannot be achiev across larger groups of	e than the Total Checklist assessor observing a m , and 5 skin or subcutane red for inguinal hernia rep	ysed. The global Overall Performance score of summed items. G =0.70 is inimum of 3 laparoscopic ous lesion excision assessments. G air assessments or for assessments only be attained using multiple index procedure.	
Discussion/Conclusion:	assessors observing m procedure-specific com procedures is not feasil	ultiple cases are required petence in trainees. Asse ble in practice. Trainers a	procedure-specific basis. Multiple to summatively assess essing overall competence across nd trainees should focus on repeated le for a given trainee's stage of training.	

Poster Only:

Submission ID: Submission By:	25234 Mr Conor Toale	Submission Date:	24/01/2022 10:47:29
Abstract Title		the future opera	sychomotor ability tive performance of
Co-Authors	C Toale, M Morris, E Dol	herty, DM Ryan, OJ Tray	vnor, DO Kavanagh
Background/Introduction:			erceptual ability highly correlate with bute positively to a reliable trainee
Aims/Objectives:	Aim: This study seeks to of technical ability and fu in-theatre and simulation	ture operative performan	on between baseline measurements ce as measured through both
Method:	in validated assessments (PicSOr) testing of perce and manual dexterity tes assessed using the in-th Performance (SSAOP) to (multi-station simulation- period. SSAOP assessm 5-point Operative Perform	s of fundamental technica ptual ability, 'paper-base sting using a grooved peo eatre Supervised Structu pol, and Operative Surgic based assessments) per lents were scored using a mance score. Univariate	ecruited from 2016 – 2019 participated al ability; Pictorial Surface Orientation d' visuospatial aptitude assessments, gboard. Operative performance was red Assessment of Operative cal Skill (OSS) assessments formed over a 2-year core training a 15-point checklist and a global (Pearson) correlations and multiple ation between fundamental ability and
Results:	2019. Performance score Trainees completed a tot Aggregated fundamental submitted SSAOP asses 3.17, p = 0.002) and weat t(168) = 3.16, p = 0.002)	es in simulated assessme tal of 2,085 workplace-ba ability scores strongly co sments using the Total C akly correlated with Overa , independent of operative es were also predictive o	cal ability assessments from 2016 - ents were available for 172 trainees. sed (SSAOP) assessments. orrelated with performance in all checklist score (B = 0.75 , t(168) = all Performance scores (B = 0.04 , <i>ve</i> experience and centile scores. f OSS assessment scores on = 0.03).
Discussion/Conclusion:	Fundamental technical a in-theatre workplace-bas assessments of operative	ed assessments of operation	uture performance scores in both ative skill and simulation-based
All abstracts will be considered for bo for Poster Presentation.	oth Oral and Poster prese	ntation, but please tick he	ere if you only wish to be considered

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Submission ID: Submission By:	25318 Dr Sukhpreet Gahunia	Submission Date:	24/01/2022 16:45:03
Abstract Title			Non-Technical Skills e Platforms in the
Co-Authors	S Gahunia, G Nolan, G	Hardman, A Kausar, J W	ard, N Khwaja
Background/Introduction:	curricula. It has taken or trainees have been work significant stress which o	n increased relevance dur king in unfamiliar environr could impact wellbeing. W essions cancelled, we sou	6) training is an integral part of surgical ring the COVID-19 pandemic as nents with varying teams, in a time of Vith many professional development Ight to implement an online HF/NTS
Aims/Objectives:	To evaluate the impact a Core Surgical Trainees	and effectiveness of an in during the COVID-19 pan	teractive HF/NTS course delivered to demic.
Method:	Surgical Trainees in the group teaching sessions post-course surveys we	North West. The course of and self-directed learning re administered, evaluating re administered re administ	sing the Zoom platform, to Core consisted of interactive lectures, small ng with written reflections. Pre- and ng the participants' awareness, along with a multiple-choice
Results:	increased by between 1 post-course test score fr	0-20%. There was a sigr om 7.54 (SD± 1.7) to 8.6	dge for both HF and patient safety ificant increase in the mean 5 (SD \pm 1.2) out of 10 (p<0.0001). The ghted averages 4.4 and 4.5
Discussion/Conclusion:	deliver a live HF/NTS co interactive online platform professional developmen COVID-19. Furthermore environment for patients	ourse. This study provides ms in postgraduate surgio nt must continue, despite , HF/NTS training is esse	Inferencing platform has been used to sevidence supporting the use of such cal education. Training and the ongoing pressures from Initial in ensuring a safe and productive ne earlier this is introduced into the ined in our practice.

Poster Only:

Submission ID: Submission By:	26517 Mr Leander De Mol	Submission Date:	27/01/2022 13:58:47
Abstract Title		cation to measur ore chest tube in	e trainees' procedural sertion
Co-Authors	Leander De Mol, Joris V Konge, Wouter Willaert		Desender, Isabelle Van Herzeele, Lars
Background/Introduction:	Surgery™(Digital Surge	ery LTD, London, UK) is a	or to their implementation. Touch a medical simulation application, and test procedural knowledge.
Aims/Objectives:	Our goal was to collect using Messick's conterr	validity evidence for the opporary framework.	chest tube insertion (CTI) test mode
Method:	demographic informatic multiple-choice question recorded. Validity evide process, relation to othe participants completed relevance, and utility of	n. After familiarization, th ns, was completed. The r nce was collected from fo er variables, and consequ a post-test questionnaire the assessment. Respor	ts provided informed consent and the CTI test mode, consisting of resulting percentage score was bur sources: content, response rences. Intermediate and experienced assessing perceived realism, the process was ensured by providing tions. Mean scores of the three groups
Results:	surgeons participated. (CTI and was based on respondents rated the s Novices scored significa and experienced partici between intermediate a Consequences evidence	Content evidence was co published guidelines and simulation as realistic, and antly lower (55.9±7.5) tha pants (82.3±5.3) (p<0.00 nd experienced participa e showed that a pass/fail	residents, and 19 experienced llected by an experienced surgeon in existing literature. Furthermore, most d suitable to assess cognitive skills. an intermediate (80.6 ± 4.4) (p<0.001) 1). There was no significant difference nts (p=0.75). I score of 71% resulted in one false ives (experienced that failed).
Discussion/Conclusion:	The CTI test mode pres surgical curricula to ass	ents a robust validity arg ess learners' cognitive sl	l curricula was positively reviewed. ument and can be implemented in kills prior to hands-on simulation I structure (i.e. reliability) of the
All abstracts will be considered for t	ooth Oral and Poster pres	entation, but please tick h	nere if you only wish to be considered

Poster Only:

Submission ID: Submission By:	26610 Mr Emudiaga Jonathan Ev	Submission Date: wan Emanuwa	27/01/2022 21:18:04		
Abstract Title	CoSMoS (Consultation Skills that Matter for Surgeons) – a novel, blended, helical consultation skills programme for surgical trainees; 2022 pilot.				
Co-Authors	Emanuwa EJE (Presen Thomson R (on behalf	ting Author), Walker KG, of the RCSEd CoSMoS v	Mozolowski K, Hotonu S, Wilson J, vorking group)		
Background/Introduction:	informed consent centri patient benefits includir is a priority for NHS Sco	ed around Shared Decisi ng better understanding o otland as part of the Real	-led decision making approach to on Making (SDM). SDM has several of options and less decision regret. SDM listic Medicine Strategy. There is ation skills for surgeons, including SDM		
Aims/Objectives:	communication skills tra changes and the Scotti	aining program that align:	levise, develop and pilot a longitudinal s with both the recent surgical curricular gical simulation strategies. We aim to es.		
Method:	ICONS (Informed Cons	erience from the Royal C ent) course to develop a e of 4 modules across 4 y	ollege of Surgeons of Edinburgh consultation skills programme. We will /ears (ST2-5).		
	tools (e.g., the "3-talk m The module comprises	nodel"), and introduces co five elements: (i) pre-cou ated patient encounters)	nind SDM, equips trainees with SDM procepts such as risk communication. Irse podcast (ii) a face-to-face training (iii) remote video-assisted-debrief of a		
Results:	The first module has re (CT2). We will present	cently been piloted with t feedback being gathered	he Scottish Core Surgical Trainees in January and February.		
Discussion/Conclusion:	is evidence-based, con non-surgical training pr	structively aligned, and c ogrammes. For the first ti	onsultation skills training package that an be embedded into surgical and ime, remote video-assisted debrief the UK. A deeper qualitative study is		

Poster Only:

Submission ID: Submission By:	26623 Miss Danielle Rachael Cly	Submission Date: de	27/01/2022 23:48:04		
Abstract Title	Changes to the Improving Surgical Training Scottish pilot simulation strategy 3 years in				
Co-Authors	Clyde D, Rose A, Wille	/ K, Yalamarthi S, Vella N	/I, Hogg ME and Walker KG		
Background/Introduction:	levels of dissatisfaction	reported amongst surgicass from England insofar as			
Aims/Objectives:	step-wise reviews, both	he simulation strategy ha planned and pandemic-i esulting reforms to the pro	is been subjected to continuous, nduced. Here we describe the review ogramme.		
Method:	experts, surgical trainer representatives. The gr	s, programme directors, o oup reviewed feedback c	v group composed of simulation deanery staff and trainee ollated from regional teaching, GMC ualitative data collected by an		
Results:	engagement and satisfa relevant ST3 posts. Am the take-home laparoso Non-technical skills ses The review guided deve curriculum, including; • Courses • Continuation of 4-day course. • Amalgamation of "Mar Matter for Surgeons)" c • Monthly Training	action, MRCS pass rate, to ongst headlines, 94% of copy programme, compar- sions were also rated as elopments in response to Surgical Bootcamp and E			
Discussion/Conclusion:	surgical training in Scot	land. A 2021 review proc	improving overall experience of early ess enabled improvements to the e evaluation studies will report later		

Poster Only:

Submission ID: Submission By:	26624 Dr Robert Sinyard	Submission Date:	28/01/2022 02:33:05
Abstract Title		enefits of Peer-L Mixed Methods	ed Surgical Coaching. Study
Co-Authors	Robert D Sinyard MD, M Douglas S. Smink MD, M		ChB MRCSEd, Steven Yule PHD,
Background/Introduction:	professional developmer skill improvement as wel	nt, including facilitating te I as enhanced surgeon w	emonstrated promise for continued chnical, non-technical, and teaching rellbeing. Although coaching is e benefit of serving as a coach is
Aims/Objectives:	This study aimed to enha specifically for the coach	ance the understanding o	f benefits of peer surgical coaching
Method:	Using a convergent mixe participated in a coachin and semi-structured inter	g program in Boston, MA	we recruited surgeons who, in 2021, , USA to complete a targeted survey
Results:	significant change to the benefited technically, 8 ((78.6%) coaches found t program benefited both o the coachee accrued the Promoter Score (NPS) o Qualitatively, surgeons r due to observation of val	ir own practice. 6 (42.9% 57.1%) non-technically, a he program professionall coaches and coachees er majority of benefit. Coac f 29 (scale: -100 to 100); eported more value than riance in approach, techn ing stands to benefit patie	ved their participation resulted in) coaches perceived that they and 10 (71.4%) as a teacher. 11 y fulfilling. 11 (78.6%) also thought the qually, whereas 3 (21.4%) believed shes gave peer coaching a Net the entire program had a NPS of 36. anticipated from coaching, primarily ique, and communication skills. They ents and surgeons more than existing
Discussion/Conclusion:	professionally fulfilling an	nd clinically impactful to the both coach and coach	d peer coaching to be both neir own practice. Existing and future ee professional development in order

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Submission ID: Submission By:	26627 Ms Greta McLaclan	Submission Date:	28/01/2022 10:46:17		
Abstract Title	We Stand on the Shoulders of Giants, it's Time We Know Their Names				
Co-Authors	O Ellis, S Dey, G McLa	chin			
Background/Introduction:	role models, they do re exclusion of all other fo often experienced by m	flect a system that has lor rms of diversity, and coul inorities within surgery. T natomy but no research h	ients. Whilst anatomical names are not ng been dominated by white men to the d contribute to the feeling of 'other' 'here has been discourse around has looked at the demographic and		
Aims/Objectives:	The aim of this researc analyse how diverse th surgical community the	e names used are and the	nous names of human anatomy and erefore how reflective of a modern		
Method:	referenced with those u	ised in an anatomy textbo	on eponymous names were cross ook and audited with regard to: name, niversity and area of the human body		
Results:	white male. 22% origina Musculoskeletal, abdor likely to have gained ar	ated in Germany, 12.5% i ninal, neurological anator a eponymous name. Inter	ere male, and 69% were confirmed n France and 91% from Europe. nical and surgical landmarks were most estingly six male names are assigned only two to the male reproductive		
Discussion/Conclusion:	and surgical trainees, d fields. We would sugge	lo not reflect the demogra st a change to these nam	that are still taught to medical students aphic diversity that now makes up these to better reflect our cultural mix and y, which will then ultimately benefit our		

Poster Only:

Submission ID: Submission By:	26628 Dr Abdullatif Aydin	Submission Date:	28/01/2022 11:31:05
Abstract Title			rgical training: The mised controlled trial
Co-Authors	HEMELRIJCK, Hashim	J. AHMED, Furhan MUK	BE, Nicholas RAISON, Mieke VAN (HTAR, Ahmed AL-JABIR, Oliver U, Guohua ZENG, John P.
Background/Introduction:	initial phase of the learni room (OR), without enda	ng curve. Residents can ingering patient safety. I	ed to enhance progression along the acquire skills outside of the operating lowever, to date, the transferability of cale studies conducted with medical
Aims/Objectives:		ss of simulation training,	d trial (ISCRTN 12260261) is to compared to conventional training in
Method:	ureterorenoscopy, select simulation or convention procedures or over 18 m achieve proficiency, defi	ted as index procedure. al training, as is current onths. Primary outcome ned as achieving a score	and no prior exposure to simulation in Participants were randomised to standard globally, and followed for 25 was number of procedures required to e of =28 on the OSATS scale, over 3 were evaluated as a key secondary
Results:	achieved in 21 simulatio procedures, respectively proficiency in the simula procedures (HR 0.89 [95 overall comparison of Os	n and 18 conventional part (HR: 1.41 [95% CI 0.72 tion arm in flexible ureter (% CI 0.39-2.02]). Signifi SATS scores between gr h fewer total complication	icipants where proficiency was articipants over a median of 8 and 9 -2.75]). More participants reached rorenoscopy, requiring fewer number of icant differences were observed in roups (mean difference 1.42 [95% CI ons (15 vs 37; p=0.003) and ureteric
Discussion/Conclusion:	conventional training. Fe	wer procedures were re	overall proficiency scores than quired to achieve proficiency in the serious complications overall.
All abstracts will be considered for b	oth Oral and Poster prese	ntation but please tick b	ere if you only wish to be considered

Poster Only:

Submission ID: Submission By:	26633 S Miss Fiona Margaret Kerray	ubmission Date:	28/01/2022 14:18:23
Abstract Title			Factors in a National ase to Inform Future
Co-Authors	Fiona Kerray, Rosie Darwo Tambyraja, Steven Yule	ood, Rachel Bell, Keith	Jones, Andrew Garnham, Andrew
Background/Introduction:	Errors are most often relati systems and environments Science/Ergonomics (HFE communication, teamwork data detailing surgeons' fir	ed to erroneous interac s within which they work). Retrospective analys and equipment failures st-hand perception of c	es of events frequently identify as significant factors. There is limited ause of error.
	Confidential Reporting Sys near-miss or adverse even	stem for Surgery (CORE ts. Members from the C	SS) invites case reports regarding CORESS advisory board review the
Aims/Objectives:	adverse events, (ii) identify	/ which HFE knowledge	ons of the involvement of HFE in areas are most frequently cited as e events using a human factors
Method:	A retrospective analysis of	132 CORESS reports	was performed.
Results:	frequent Clavien-Dindo sco There was no significant cl Of the five HFE domains: F 70 (97%); Work Environme Methods and Tools in 4 (5 ^o	ent. Thirty five percent r bre was IIIb (44%); eigh hange in reported sever Psychology was noted i ent in 24 (33%); Anator %). Within Psychology,	elated to general surgery. The most t (11%) cases resulted in death.
Discussion/Conclusion:	keeping with current HFE I	iterature. These data su	ns of common causative factors are in upport the development of a targeted optimise performance, and improve

Poster Only:

Submission ID: Submission By:	26637 Dr Gilles Soenens	Submission Date:	28/01/2022 16:39:51
Abstract Title	Surgeon's leade hybrid operating		team behaviour in the
Co-Authors	Gilles Soenens, Benoit M	/larchand, Bart Doyen, Is	abelle Van Herzeele, Peter Vlerick
Background/Introduction:	high-risk industries. The work- and organizational and work teams. This fra (change- and relational-c	'full range of leadership' psychology to assess a mework distinguishes th priented), transactional (t	successful team functioning in theory is a dominant approach in nd develop leadership in organizations ree leadership styles: transformational ask-focused) and passive. Few studies behaviour in surgery and/or fluctuations
Aims/Objectives:	transactional and/or pass collaboration) in the hybr	sive) and team behaviou id operating room via vic	dership styles (transformational, r (speaking up, knowledge sharing, leo coding. Secondly, possible m behaviour within operative phases
Method:	A single-centre study usi system, was conducted a procedures.	ng video footage, obtain and included patients pla	ed via a medical data recording nned for everyday endovascular
Results:	leadership positively corr between team members a passive leader correlat Moreover, both leadersh procedure, with similar p Video coding is a useful, non-invasive and unobtru analyses were performed procedure level common	relates with speaking up, on operative phase leve es positively with speaki ip style and team behavi atterns across different t reliable method to obsei usive manner during end d at an operative phase I ily used in leadership lite	f recording). Transformational knowledge sharing and collaboration l in the hybrid operating room. Further, ng up. our clearly fluctuate during a ypes of endovascular procedures. rve team behaviour and leadership in a ovascular procedures. Finally, evel, in contrast to the overall rature. This granular investigation rrelations at this seldom studied micro
Discussion/Conclusion:	especially during the mo	st complex operative phate learn and actively imple	al leadership enhances team behavior, ases. Thus, suggesting that ment a transformational leadership nd team performance.

Poster Only:

Submission ID: Submission By:	26641 Dr Vashist Motkur	Submission Date:	28/01/2022 19:10:24
Abstract Title		rs to undergradu 19 with an online	ate surgical education OSCE series
Co-Authors	Vashist Motkur, Aniket	Bharadwaj, Nimalesh Yog	garajah
Background/Introduction:	significantly. Lectures a medical education. Tea Examinations (OSCEs) authors developed a Su	and seminars on online pla iching via clinical scenario , however, requires great urgical OSCE-Focussed 1	mic impacted medical student teaching atforms have become more common in os in mock Objective Structured Clinical er interaction between participants. The Teaching (SOFT) series to trial using an first clinical year via clinical scenarios.
Aims/Objectives:	replacement to in-perso around online teaching methods of training uno has highlighted the imp	on teaching. This project of formats, with the wider go lergraduate medical stude ortance of finding ways to	OFT series as an adjunct or contributes to the growing literature bal of developing more resilient ents. The Coronavirus 2019 pandemic o maintain students' professional cation, to produce clinically competent
Method:	with one near-peer faci	litator and three students	ns conducted online in breakout rooms rotating the roles of doctor, patient and quantitative Likert item responses and
Results:	accessible (68%) than with tutors (44%) and c teaching. Subjective fee	in-person teaching. Fewe ommunication with peers edback mentioned that as	more efficient (65%) and more r participants agreed that interactivity (33%) was easier than in-person seessment of an unwell patient and and therefore the series should not
Discussion/Conclusion:	in-person teaching for s discussion and commu	some clinical topics. Howe nication in this format. It r	bove is a potential alternative to ever, there are still issues with ease of nay be valuable to reassess the r of the pandemic and growing use of

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Submission ID: Submission By:	26643 Miss Mina Ip	Submission Date:	28/01/2022 19:22:11
Abstract Title	Augmenting su	irgical training th	rough technology
Co-Authors	Mina Ip, Ryan Kerstein		
Background/Introduction:	opportunities, especial by. With countless elect pandemic, even more straining. Our Trust is taking adva and "smart headsets" for guidance at a distance, trainees to watch and b	y certain emergency or co tive procedures having b so. The lack of access to antage of recent technolo or telementoring: the train wherever Wi-Fi is availa earn from the surgery dire	the better you get. Training omplex procedures are hard to come een delayed and cancelled due to the operations negatively impacts surgical gy advances by trialling "smart glasses" er can visualise the procedure and give ble. This can also connect multiple ectly from the operating surgeon's visual ed to create a surgical library and
Aims/Objectives:	headset" in theatre. 2. To improve surgical surgical video library ar 3. To utilise technology	training through remote p nd therefore improve patie and innovation in surgica hout limitations of time ar	n of "smart glasses" and "smart roctoring and develop a high-quality ent outcomes and quality of care. al training so trainees can increase ad space – also benefits LTFT trainees,
Method:	Structured feedback ar in performing index pro		pact of technology on surgical trainees
Results:		ancing surgical training th improved surgical skills a	rough technology has been a success nd confidence.
Discussion/Conclusion:	Trust's surgical trainees devices cannot be cons patients, it is undoubted	s. Whilst the surgical reso sidered a complete replac dly a fantastic resource fo gical skills and build confi	ets is a welcomed addition to our burces generated through the smart ement in surgical experience on real or surgical trainees to increase surgical dence in surgical management of

Poster Only:

Submission ID: Submission By:	26649Submission Date:29/01/2022 04:41:44Professor Stephen Adrian Tobin
Abstract Title	Implementation of Entrustable Professional Activities for Final Year Medical Students : Evaluation
Co-Authors	Prof Stephen Tobin, Professor of Clinical Education & Associate Dean, Dr Jenny McDonald, Senior Lecturer & Portfolio Lead; Dr Caroline Joyce, Lecturer & Assessment team ; all from School of Medicine, Western Sydney University, Sydney, NSW, Australia
Background/Introduction:	This School of Medicine has an immersive clinical program: to provide more structure, facilitate feedback and develop progressive assessment, Entrustable Professional Activities (EPAs) have been used since 2020. As most of final year students have worked in paid pre-intern 'Assistants-in-Medicine' (AiMs) roles, during 2020-2022, it was/is imperative to track their progress. Myprogress (York,UK) software and
Aims/Objectives:	Planned evaluation included student and faculty education about the EPA concept, the need for feedback, taking action and allowing for entrustability and related supervision levels. We were especially interested in feedback themes and the possibility of this programmatic approach replacing summative OSCE exams.
Method:	Evaluation has included EPA numbers, quality of clinical descriptions, feedback narratives and relation to clinical term reports for AiMs and those continuing as students. Iterative faculty development has been required.
Results:	Over 90% students have been well engaged. The mean frequency of EPAs was 2.4/week. As such preparation for their intern (HMO1) year is well documented. Almost all remediation students were found in the non-engaged group. Feedback narratives included specific actions and strategic advice. A shift to 'independence' has been demonstrated. Provision of support and information has been essential.
Discussion/Conclusion:	Each cohort of students has required specific education about EPAs, feedback and making changes towards the next occasion of the EPA. Monitoring with planned student reviews has mapped extent of progress, allowed audit and troubleshooting. This programmatic assessment approach is likely to replace summative OSCEs (not used in 2020-21) in 2022. The approach used by our School of Medicine has been shared with and critiqued by other medical assessment leads. The EPAs are based on the regular clinical tasks of junior doctors. Ultimately, this work is all about better performance of the tasks of patient care. It is entirely applicable for prevocational and surgical training programs.

Poster Only:

Submission ID: Submission By:	26694 Miss Laiba Rahman	Submission Date:	29/01/2022 14:54:52
Abstract Title		ENGAGEMENT ON THEIR EDU	IN CRITICAL CATIONAL PRACTICE
Co-Authors	1. Laiba Rahman, MBC Education Scholarship)	ChB student. 2. Alison Leo . School of Medicine, Uni	lger, Associate Professor (Clinical versity of Leeds.
Background/Introduction:	educational sophisticat work pressures limit tim concerning, as the prov	ion and commitment from ne and energy for educati	andscape demand a greater level of surgical educators. However, current onal development and reflection. This is on and training and the delivery of ricably linked.
Aims/Objectives:	surgery and their engage Surgeons' motivations	gement in critical reflectio and barriers to reflecting	ttitudes to teaching and education in n on their educational practice. were probed, to develop come scholarly educators.
Method:	others were invited to ta interviews were conduct specialties and training	ake part in this qualitative ted with nine surgeons re grades and with varying	s who contribute to the education of , exploratory study. Online individual epresenting a range of surgical educational experiences. Interviews g reflexive thematic analysis.
Results:	current system does no pressures are perceive reflection on education	ot support educational exc d as a barrier to teaching	ortant and valuable in surgery, 2) the cellence in surgery, 3) service and developing as educators, 4) critical nal and 5) motivation to reflect and ive for excellence.
Discussion/Conclusion:	develop systems and s support surgeons to ac excellence. Improveme their educational practic address the artificial co	tructures which recognise hieve educational excelle nts are needed to encour ce, educate surgeons abount nflict between training an	ects of their profession. We must and reward teaching excellence and nce as well as clinical and research age surgeons to seek feedback on but available support and resources, d service, promote leadership in ractice for shared learning and

Poster Only:

Submission ID: Submission By:	26695 Submission Date: 29/01/2022 15:33:23 Mr Alexander Brian Crichton
Abstract Title	Innovating surgical education: The West Midlands Post-Graduate Virtual Learning Environment
Co-Authors	Alexander Crichton, Tahir Khaleeq, Andrew Garnham, Tim Graham, Usman Ahmed
Background/Introduction:	Surgical training has been severely impacted by the COVID-19 pandemic, with significant reductions in elective and emergency operating. Similarly, the delivery of regional education has been challenged due to social distancing, which could impact the care of patients. Learning Management Systems (LMS) have commonly been used in undergraduate education. In May 2020, the West Midlands developed a combined LMS and web conferencing platform to enhance surgical education: The Post-Graduate Virtual Learning Environment (PGVLE).
Aims/Objectives:	The aim of this study was to evaluate the surgical trainee experience of using the PGVLE in the delivery of surgical education programs.
Method:	Between May 2020 and November 2021, 10 surgical specialties used the PGVLE to deliver regional education. Five point Likert scales (5=excellent, 1=unsatisfactory) were used to assess surgical trainees' experiences of the PGVLE. Specialties' use of the PGVLE as an information repository and for managing their education programs was also analysed. Data from users was gained with their consent as an agreement in the terms and conditions of the PGVLE.
Results:	Across the 10 surgical specialties, 146 training days were delivered, with 15,299 data points generated by surgical trainees' experiences of their education programs. The combined pan-specialty mean good/excellent rating for education delivered was 94% (90%-100%). The PGVLE platform good/excellent rating was 82% (42%-92%). Across the specialties, 628 resources were uploaded to the PGVLE for trainees and 24,637 minutes of lectures were recorded. 80% of specialties used the inbuilt PGVLE automated attendance systems for managing their education programs.
Discussion/Conclusion:	The use of the PGVLE has resulted in the delivery of consistent and high-quality education on a regional scale across the majority of surgical specialties within the West Midlands. Patients will clearly benefit from better educated surgeons and so the drive to spread the PGVLE to other regions across the four nations should be greatly encouraged.

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Submission ID: Submission By:	26732 Dr Gilles Soenens	Submission Date:	29/01/2022 20:47:33
Abstract Title		formance of peri A Delphi consens	oheral endovascular sus
Co-Authors			iana Sunavsky, Mark Wheatcroft, ntcharov, Isabelle Van Herzeele
Background/Introduction:	(ORBB) allow for detail synchronizing multiple	ed performance assessm intraoperative data source	as the Operating Room Black Box ent by continuously recording and es. Additionally, tools for endovascular ally because surgical training is shifting
Aims/Objectives:		velop step, error and ever heral endovascular proce	nt frameworks to evaluate technical dures.
Method:	errors and events in ilia experts from different s initial open-ended surve errors and events. In su 5-point Likert scale and threshold (Cronbach's a	Ico-femoro-popliteal endo pecialities were identified ey round, experts volunte ubsequent Delphi rounds, I repeated until consensus	e evaluation frameworks for steps, vascular interventions. International , based on scientific track record. In an ered a comprehensive list of steps, items were presented to rate on a s was reached with a pre-defined the final frameworks achieved erts.
Results:	Interventional Radiolog performed more than 5 Consensus criteria wer a-steps = 0.79; a-errors	ists, 5 Cardiologists and $^{\circ}$ 00 PVI procedures, of wh e met following the third I s = 0.90; a-events = 0.90)	panel, consisting of 3 Angiologists, 7 13 Vascular Surgeons. Most (93%) ich >100 in the last year (86%). Delphi round (Cronbach's alpha; . There were 15 steps (agreement 18 events (agreement 73-100%) in the
Discussion/Conclusion:	endovascular procedur ORBB was developed may help to identify haz surgical mastery by pro	es which can be applied t using a Delphi consensus zardous steps, common e	s and events in iliaco-femoro-popliteal o recording platforms such as the . After validation of the framework, it rrors and events. Thus, promoting h trainees and consultants) with mance.

Poster Only:

Submission ID: Submission By:	26736 Mr Ian Rudd	Submission Date:	29/01/2022 21:53:43
Abstract Title		of Legal Events i Views of Surge	nvolving Reflective ons
Co-Authors	Rudd, Ian		
Background/Introduction:	professionals to 'make experience'. The high-p gross negligence mans	meaning of complex situa profile case of Dr Bawa-G laughter caused consider	for development by allowing ations and enabling learning from arba, a medical trainee convicted of rable disquiet in the medical and ed on the alleged uses of Bawa-Garba's
Aims/Objectives:		rcussions of the Bawa-Ga ight be needed to safegu	arba case on RP in the surgical ard RP.
Method:	phenomenological prin conducted on a one-to-	ciples. A literature review one basis, using an interv ative refinement. Audio re	vist ontological worldview, employing was undertaken and interviews view guide and a semi-structured ecordings with subsequent transcription
Results:	were identified and exp	lored: 'The impact of the	ators were interviewed. Five themes Bawa-Garba case'; 'The meaning of to surgeons learn to reflect?'; "Sharing
Discussion/Conclusion:	Bawa-Garba case but, of RP. I conclude that F 1. Ensuring that RP is of 2. Moving on from tech 3. Encouraging surgeo 4. Reducing the role of 5. Ensuring that the uso well-planned process;	nonetheless, the case ha RP can be safeguarded by clearly and tightly defined nical or narrative reflection ns to reflect on what goes the online Intercollegiate e of RP for assessment is	

Poster Only:

Submission ID: Submission By:	26746 Miss Kohila Vani Sigamono	Submission Date: ey	30/01/2022 00:40:30
Abstract Title	Closing the trai teaching format	ning gap: A nove t for Foundation	el games-based trauma trainees.
Co-Authors	Kohila Vani Sigamoney Sophie Rogers, Ronnie	(presenting author), Anto Davies.	onia Hoyle (first author), Lee Hoggett,
Background/Introduction:	Established postgradua attendance opportunitie leaving a lacuna where despite little formal train	te trauma courses are or s have been reduced fur trainees are managing tr	UK Foundation doctors (FY). Inly open to FY2+ trainees, and ther during the SARS-CoV-2 pandemic, auma patients within the trauma team, as this gap with a novel Playful for Foundation trainees.
Aims/Objectives:	To assess the impact of	f the PETE session for Fo	oundation trainees.
Method:	across 3 hospital sites. multiple choice questior	Knowledge acquisition w	was delivered to 54 FY1 trainees as measured via pre- and post-session measurement of learner experience ssessments.
Results:	Confidence in managing "somewhat confident" (p	g trauma patients increas ><0.00001). Learners fou ssion "very useful" for the	nt in MCQ scores (p<0.0001). ed from "not very confident" to nd the use of games "very useful" to ir future practice. 54% the of learners
Discussion/Conclusion:	the deficiencies highligh Death (NCEPOD) and F (RCS/BOA) reports. Im training, but trauma edu currently very limited. V teaching provision withi with limited resources, f programme, using a nov existing trauma training	nted by National Confider Royal College of Surgeon proving patient care relie ication opportunities for ju Ve demonstrate that ther n the FY1 curriculum. Eff aculty and time within the vel games-based approa for Foundation doctors, i	of sustained improvement, spurred by tial Enquiry into Patient Outcome and us/British Orthopaedic Association is on improving clinician education and unior members of the trauma team are e is a role and appetite for trauma ective trauma teaching can be provided e existing Foundation teaching ch. PETE may help close the gap in mproving trainees' knowledge and aking established trauma courses.

Poster Only:

Submission ID: Submission By:	26750 Miss Eilidh Georgia Merle G	Submission Date: Sunn	30/01/2022 07:17:37
Abstract Title		ben global vascu	Surgery Podcast: Ilar educational network ouleaux Club
Co-Authors	Eilidh G M Gunn , Adam Tambyraja, Sharif Ellozy email: (e.g.m.gunn@sms	, Rouleaux Club, and Aud	the, Leanna Erete, Andrew dible Bleeding - corresponding author
Background/Introduction:	2018, the Audible Bleedin (USA) to provide informa community. In February 2 society for vascular trained	ng podcast was launched tive and educational mat 2021, Audible Bleeding p ees in the United Kingdor	a format for medical education. In I in the United States of America erial for the global vascular surgery artnered with the Rouleaux Club, the m (UK), to create an innovative series, urgeons practising in the UK.
Aims/Objectives:			le Bleeding podcast and Rouleaux ce of Free Open-Access Medical
Method:		October 2021. Impact wa	nd responses from a listener survey is measured in terms of listener base,
Results:	250,000 unique downloa trauma surgery, manage device safety, quality imp Rouleaux Club collabora from over 30 countries. In per episode were 1136 (I	ds. Key topics of the Rou ment of aortic graft infect provement, human factors tion episodes were down n the first 30 days after p IQR 1090-1149) and UK e UK listenership increas	shed almost 150 episodes with over leaux Club series were vascular ion, altitude and extreme medicine, s and non-technical skills. The 7 loaded over 12,000 times by listeners ublication, the median total downloads specific downloads were 143 (IQR ed for the regular monthly review
Discussion/Conclusion:	been well received, result reach across training level and expertise to a global	Iting in an increased UK I els. Audible Bleeding de audience in a novel, in a	ve series with the Rouleaux Club has istener base, and a broad global livers shared learning of knowledge n easily accessible format and ascular surgery community.

Poster Only:

Submission ID: Submission By:	26753 Miss Rachel Jayne Scurra	Submission Date:	30/01/2022 09:58:43	
Abstract Title	Awareness of Non-Technical Skills for Surgeons (NOTSS) and confidence in teaching non-technical skills among Consultant Surgeons - A questionnaire study			
Co-Authors	M Carr, D W Hamilton			
Background/Introduction:	and effective patient ca was introduced 15 year	re. The Non-Technical Sl rs ago. However, not all C	d cognitive skills which are vital for safe kills for Surgeons (NOTSS) framework Consultant Surgeons have received y of NTS training to surgical trainees.	
Aims/Objectives:	experiences of NTS tra Benefit to patients: NTS healthcare. Therefore, crucial. Identifying gaps	ining and approaches to 6 failures underpin the ma ensuring all surgeons dev s in knowledge and explo	tant Surgeons, as well as their teaching NTS. ajority of adverse outcomes in /elop and maintain effective NTS is ring training experiences of Consultant effective NTS training and reduce risk.	
Method:		stributed via Google Forr All responses were anon	ns to Otolaryngology Consultants in the ymous.	
Results:	attended a NOTSS cou domains of NTS, but fe (12/14, 86%) reported in strongly agreed that the (21%) Consultants agree All respondents either a day-to-day work and 13	Irse. The majority (9/14, 6 wer (6/14, 43%) were abl no knowledge of NTS rati ey 'have a good understal eed or strongly agreed tha agreed or strongly agreed 3/14 (93%) agreed or stro lection, case-based discu	NOTSS but only 4/14 (29%) had 64%) reported being familiar with key le to recall 2 or more domains. Most ng tools. Only 2/14 (14%) agreed or nding of NTS'. Similarly, only 3/14 at they are confident in teaching NTS. I that NTS are relevant to their ngly agreed that they wished to ission and leading by example are	
Discussion/Conclusion:	inhibit adequate and ef	ITS and a lack of confider fective NTS development Is is a risk to patient safet	nce among Consultant Surgeons may in trainees. Inadequate NTS training y.	
All abstracts will be considered for both Oral and Poster presentation, but please tick here if you only wish to be considered for Poster Presentation.				

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Submission ID: Submission By:	26767 Dr Emma Elizabeth Howie	Submission Date:	30/01/2022 11:44:38
Abstract Title			g surgeons with the performance and
Co-Authors	Olivia Ambler, Eilidh Gur Yule	nn, Roger Dias, Stephen	Wigmore, Richard Skipworth, Steven
Background/Introduction:	timely feedback, free from enhance it, and optimise including non-technical, including Non-technical has led to the rise of Sur digitally recorded surgica professional development	m bias and judgement, re patient safety. Performa technical skills, and cogn Skills for Surgeons(NOTS gical Sabermetrics, defin al training and operative p	ed high fidelity, quality, objective, and garding performance, in order to nce is influenced by many factors, itive load(CL). Current methods, SS)are valid but imperfect tools. This ed as"the advanced analytics of procedures to enhance insight, support nd safety outcomes". However, we do le.
Aims/Objectives:	technological methods o future use in surgery. Th performance measureme	f obtaining digital data to	
Method:	A scoping review was co	onducted as per PRISMA	guidelines.
Results:	technological measurem surgeons, trainees and p data-based feedback aid measuring CL acts as a become overloaded, pre measurements provide o to avoid Never Events an Additionally, audio-visua measures	ents of NOTSS or CL fro patients. Providing training Is in achieving training go proxy for performance, do senting a risk to patient s opportunities to prevent e nd reduce morbidity and r I technology such as the	clusion criteria of automated, m 2010. Sabermetrics benefits as with effective, individualised, als and progression. Objectively etecting when individuals or teams afety. Real-time, automated rror due to overload, with the potential mortality. OR Black Box?enhance safety enting patient cancellation.
Discussion/Conclusion:	automatically captured, o	digital data, reducing bias	abermetrics can provide objective, and providing the feedback needed al training and enhanced wellbeing for
All abstracts will be considered for bo for Poster Presentation.	oth Oral and Poster prese	ntation, but please tick he	ere if you only wish to be considered

Poster Only:

Submission ID: Submission By:	26789 Dr Jonathan Lawaetz	Submission Date:	30/01/2022 11:55:58
Abstract Title		implementation iscular surgery in	gap in simulation-based n Europe
Co-Authors	Weiss, Lars Konge, Ko	es Soenens, Jonas Eiber nstantinos Stavroulakis, (/ Nayahangan, and the "\	g, Isabelle Van Herzeele, Salome Craig Nesbitt, Nuno Dias, Ramon Vila, /ASSIM Collaborators".
Background/Introduction:	increasingly advocated surgery and work-hour and prioritised a list of t	over recent years, in par restrictions. A European echnical procedures to g	in vascular surgery has been allel with a shift to endovascular needs assessment from 2018 identified uide the future SBE development in on the implementation of specified
Aims/Objectives:	with the availability of S		n vascular surgery in Europe, along 2018 needs assessment and identify E.
Method:	three-round survey to tr one, the availability of S was requested. Facilita	anslate the 2018 needs a BE and a list of facilitato tors and barriers were gro	nedical education developed a assessment list into action. In round rs and barriers to SBE implementation ouped and scored on a 1-5 Likert scale b-15 facilitators and the top-15 barriers
Results:	Society of Vascular Sur The top three SBE proc implemented to an acce curriculum, and dedicat Availability of good qua	gery and the Union Euro redures defined in the 20 eptable degree. Cost of e ed faculty time are the m	I on their positions in the European péenne des Médecins Spécialistes. 18 needs assessment seem to be quipment, lack of a structured ain SBE implementation barriers. embedded in structured SBE programs te implementation.
Discussion/Conclusion:	programs in vascular su remains. This study gui	urgical training with comp des a more systematic in may enhance patient saf	systematic and structured SBE ulsory participation and certification nplementation of SBE in vascular ety by increasing trainees' skill levels

Poster Only:

Submission ID: Submission By:	26790 Ms Cristina Croitoru	Submission Date:	30/01/2022 11:56:19
Abstract Title		ps"- Preparing fo gional Teaching	or the first Surgical Job Course
Co-Authors	Sami Mustafa, Jason N	icoletti, Cristina Croitoru	
Background/Introduction:	The Pandemic has disrustion surgical wards and their	upted the medical educat r exposure to common sc	ion limiting students presence on enarios.
Aims/Objectives:			ed the development of the online ors (FY1) for their first surgical
Method:	in Northern Ireland drav scenarios for every surg per day, it was delivered	ving on their lived experie gical speciality in the regio	dents was devised by surgical trainees nces. It featured common bleeps and on. The course comprised five sessions d was fully interactive. Students from al students attended.
Results:	Before the course only afterwards. 5% of stude became more interested	14% felt confident about ints felt they would require	0% of students attended both days. starting FY1, compared with 71% e more training. 79% of students a surgical speciality. 92% found the ure final year students.
Discussion/Conclusion:	flexibility of time, locatio traditional techniques lik self-confidence. The co simulating clinical scena	n and cost. There is a po the interpersonal contact a urse may have a place fo	versities has had several benefits like otential to add to and complement and clinical exposure enhancing r demonstrating practical procedures, dge from junior surgeons in the long environment.
All abstracts will be considered for both Oral and Poster presentation, but please tick here if you only wish to be considered			

Poster Only:

Submission ID: Submission By:	26801 Mr Joyce Thekkudan	Submission Date:	30/01/2022 12:01:31
Abstract Title		ning for Improve Emergencies (S	
Co-Authors	Joyce Thekkudan, K Ku M F Chowdhry	utywayo, Amal Bose, Mar	noj Purohit, Ali Z Khan, S Rathinam, T
Background/Introduction:	uncommon. ILTE can h Preparedness to deal w Difficulties with airway a minimal access surgery cardiopulmonary bypas CPB.	ave catastrophic outcome vith them varies across un access, major intra-opera v), cardiac arrest on induc s(CPB) and sudden dete	TE) in cardiothoracic theatres are not es if not dealt with in a timely manner. hits. Examples of ILTE, include tive haemorrhage (especially during stion of anaesthesia, sudden loss of rioration following discontinuation of rotocol, now accepted as the standard
Aims/Objectives:			Es, allocate a clear role to each theatre and request assistance (including a 2nd
Method:	causes and manageme respond to a mock eme re-enact the scenario. A	int of ILTE. A team of voluer ergency scenario on a dur After revisiting the protoco d scenarios. These sessi	he sessions start with presentations on unteer participants is then requested to mmy. A trained team would then bl, all attendees are divided into teams ons are held on a regular basis to
Results:	the expertise of the sup	porting team. It is anticip	epends on the skills of the surgeon and ated that regular simulated training in and translate to improved patient
Discussion/Conclusion:			with ILTE helps improve preparedness translate to improved patient outcomes
	Each surgical specialty	should have its own simu	ulated training session, where theatre

Poster Only:

Submission ID: Submission By:	26843 Submis Mr James Edward Tomlinson	sion Date:	30/01/2022 12:35:48		
Abstract Title	"Who am I now?" How can bootcamps help trainees to develop their professional identity?				
Co-Authors	Chris Lewis, Vivek Balachander,	Paul Renwick, J	ames Tomlinson		
Background/Introduction:	at times of career transitions. Tra and have to grapple with uncerta	ainees experience ainty of both profe	d, with the aim of supporting trainees e liminality during transition phases essional and personal identity. a way to help trainees through this		
Aims/Objectives:	and professional identity. It was	hypothesised tha	us on non-technical skills. leadership t by openly discussing the personal able to settle into their new role more		
Method:		were led and deli	I skills, leadership and professional vered wherever possible, with senior gradients and power dynamics.		
	semi-structured interviews at 3 w	veeks and 3 mon	immediate quantitative feedback and ths post bootcamp. 12 hours of d and analysed thematically using		
Results:	sessions as very relevant to their Themes identified included benc	r role. Self-rated hmarking agains community. Boot	bootcamp, with 100% of describing all knowledge increased in all domains. t peers, establishing credibility and camp made participants feel valued		
	Attendees described behaviour or reflecting on and modifying their	change driven by behaviours to lea	this training (Kirkpatrick level 3), ad teams more effectively, engaging		
Discussion/Conclusion:	Bootcamps exploring the person can have a significant positive in explore their large scale feasibili	npact on participa	nal challenges at times of transition ants. Wider evaluation is needed to		

Poster Only:

Submission ID: Submission By:	26846 Mrs Rebecca Hart	Submission Date:	30/01/2022 13:04:17
Abstract Title	Return To Trair	ning: Supporting	Orthopaedic Trainees
Co-Authors	Rebecca Hart, Ruth Ric Chan	hardson, Zoe Little, Sara	h Siddiqui, Matthew Solan, Shirley
Background/Introduction:	take time out of training	. Following the Bawa Gat emic, the need for better	nior doctor workforce (~5000 doctors) ba case, and with trainees shielding management of trainees' return to
Aims/Objectives:	with the intention of imp	course for returning trau roving confidence, aptitud its kind in the UK. We ass	ma and orthopaedic (T&O) registrars, de and patient safety. This was the first sessed its outcomes.
Method:	peer and consultant-led courses have run virtual	clinical updates, forum d lly, facilitating the attenda st-course surveys assess	rey and Sussex deanery, consisting of iscussions and coaching. Subsequent nce of delegates nationally across the ed expectations about RTW, value of
Results:	and post-course survey ST8; 13 trainees returne perception (43%), reduc fade (62%), and frustrat respondents felt the cou	s respectively. Grade of the ed less than full time. Mai ced confidence (67%), clir ions with managing work urse improved their confid aring concerns and hearing	rates were 100% and 57% for the pre- raining on return ranged from ST3 to n areas of concern were colleague nical knowledge (62%), operative skill -life balance (48%). 78% of ence. All respondents agreed or ng about peer experience was valuable
Discussion/Conclusion:	There has been an over course with all attendee trainees on their RTW ir and wellbeing of our wo	n order to ensure patient s	onse to the support offered on our TW. It is vital to adequately support safety and safeguard the mental health

Poster Only:

Submission ID: Submission By:	26847 Mr Joseph Brennan	Submission Date:	30/01/2022 13:14:41		
Abstract Title	The Virtual Trauma and Orthopaedic Meeting Educational Series				
Co-Authors	J. Brennan, A. Hall, and	d E. Baird			
Background/Introduction:	The Virtual Trauma and Orthopaedic Meeting (VTM) was an online monthly educational meeting aimed at junior doctors and medical students which ran over six months.				
Aims/Objectives:	to give attendees an ins		ire we set the primary aim of the VTM of management plans for common		
Method:	minutes T&O registrars 45 minutes consisted o management plans forr split between multiple o	delivered teaching relevant f case based discussions nulated by consultants. F shoice questions to solidif	ilar structure. During the first 15 ant to the theme of the VTM. The next presented by registrars, with inally the remaining 30 minutes were y attendees learning, and an any questions they may have from the		
Results:	female. Attendees cons (37.4%). The most com International (18.3%), E The mean rating across qualitative analysis. 97 enjoyed the VTM, 96.9 VTMs to benefit their cl	sisted mostly of junior doc mon medical schools rep Edinburgh (16.8%), Newc s all VTMs was 9.00/10 (S 7% of attendees either st % developed their knowle inical practice. Overall the ses' knowledge of T&O co	D 4.45). 59.5% were male, and 40.5% ctors (50.5%) and medical students presented by attendees were astle (11.5%), and Exeter (6.82%). SD 1.06), further supported by rongly agreed or agreed that they dge of T&O, and 93.9% reported the ere was a statistically significant onditions, management plans, and their		
Discussion/Conclusion:	Our VTM educated and widely adopted as a no		geons, and we recommend that it is		
All abstracts will be considered for both Oral and Poster presentation, but please tick bere if you only wish to be considered					

Poster Only:

Submission ID: Submission By:	26848 Mr James Edward Tomlins	Submission Date:	30/01/2022 13:45:49
Abstract Title	Mental skills - tł	ne next key surç	gical skill?
Co-Authors	Tim Boddice, Thomas H James TomlinsonHelen		wis, Shekhar Biyani, Helen Church,
Background/Introduction:	unwanted emotions in si understanding and plan Training) involves the sy enhance those psycholo Such techniques are co	tressful situations, whilst ning. Training in these n vstematic development a ogical attributes which pro mmonly used in sport to n shown to help foundati	dual to remain focussed, and deal with framing a situation towards nental skills (Psychological Skills nd application of techniques to omote performance and wellbeing. aid performance. Similar techniques on trainees, optimising feelings of
Aims/Objectives:	To assess attitudes to m	nental skills training in su	rgical trainees and faculty.
Method:	Usability and functionali	ty was evaluated before rgical bootcamps. The 17	developed with ethical approvals. survey distribution to trainees and 7-question survey was distributed
Results:	and 71% of orthopaedic trainees had prior aware could improve patient ou orthopaedic trainees, an Only 7% of all responde respondents wanted mo training was the ideal tin	trainers. Only 30% of u eness. The majority of re- utcomes - 23/30 urology id 5/7 orthopaedic traine nts believed mental skills re training in this area, w ne to introduce such con	ater among trainers; 75% of urology, rology, and 47% of orthopaedic, spondents felt mental skills training trainees, 10/11 urology trainers, 17/19 rs. s could not be taught. Nearly all <i>i</i> th most agreeing early years surgical cepts. Just 33% of those surveyed e form of these skills in their practice.
Discussion/Conclusion:	believing it can improve they needed further train	surgical outcomes. Mos	concept of mental skills training, st respondents to this pilot survey felt studies are now warranted to pilot the ss their impact on surgical outcomes.

Poster Only:

Submission ID: Submission By:	26854 Miss Lynette Jane Spaldin	Submission Date:	30/01/2022 14:39:08
Abstract Title	Emotional Intell Curriculum	ligence as part c	of a Leadership
Co-Authors	Lynette Spalding, Muhil	an Kanagarathnam	
Background/Introduction:	express one's emotions empathetically. Unlike i reflection, leading to per decision making, team b	, and to handle interpers intelligence quotient (IQ), rsonal benefits such as in	bacity to be aware of, control, and conal relationships judiciously and EQ can be improved with training and coreased wellbeing and improved ed leadership ability and team s reduced staff turnover.
Aims/Objectives:	Our objective was to fac influence our interaction	cilitate trainees to explore with others by introducir	ership curriculum for trainees. The inherent and learned traits that ng a number of theories and concepts a particular school of thought resonated
Method:	trainees, as part of a win intelligence, personality	der leadership curriculum types, wellbeing, resilien	during a one day leadership course for a. Subjects covered included emotional ace, mentoring & coaching and imposter litated discussions of issues relevant to
Results:	they understood the cor	ncepts discussed and the ncluded "a really benefici	ainees, with the majority reporting that ir learning needs were met. al topic to include in such a day to grow
Discussion/Conclusion:	multiple non technical s patient outcomes. The can also not be underes	kills that impact on perfor importance of maintainin stimated. Introducing EC	al during training, there are there are mance, safety and ultimately improved g ones own wellbeing and performance a training will allow trainees to develop to the individual, the team and most

Poster Only:

Submission ID: Submission By:	26858 Mr Andrew Keenlyside	Submission Date:	30/01/2022 15:13:35	
Abstract Title	The impact of exposure to affective images on simulated surgical performance: A Randomised Controlled Study of Medical Students			
Co-Authors	Medicine, University of	Dundee, Ninewells Hosp	nnan 2, Mark A Hughes 2. 1 - School of ital and Medical School, Dundee. 2 - irmary of Edinburgh, BioQuarter,	
Background/Introduction:	Royal College of Surge essential non-technical	ons of Edinburgh conside	ively impact surgical performance. The ers the management of stress an e effects of lone or repeat exposure to Il understood.	
Aims/Objectives:			e, positive and neutral affective visual mance by medical students.	
Method:	participants completed laparoscopic simulator attempts, all participant randomised into exposi from the Open Affective completion of each of the eoSurgical Ltd, UK) wa	8 iterations of a standard (eoSim, eoSurgical Ltd U s viewed a neutral image ure to either positive, neg Standardized Image Se heir next 5 attempts. Instr	0 medical students was conducted. All ised peg-threading task using a K). Prior to each of the first three for 5 seconds. They were then ative, or neutral visual stimuli (sourced t – OASIS - database) before ument tracking software (SurgTrac, ance metrics (time, instrument ial.	
Results:	distance travelled by in compared to the negati	struments, speed, accele	provement in time to complete task, ration, and motion smoothness rol group. Negative stimuli groups e than controls.	
Discussion/Conclusion:	benefits over exposure simulated surgical performance The impact of stress is part of being a surgeon different forms of stress	to negative or control stir ormance. complex and personal. P but stress during training alter performance is imp	on-statistically significant performance nuli. Negative stimuli may be harmful to erforming under stress is an intrinsic g may hinder learning. Appreciating how ortant for surgical training and strated the complex impact of affective	

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Submission ID: Submission By:	26859 Mr Pedram Panahi	Submission Date:	30/01/2022 15:25:51
Abstract Title		influence of CO Jnited Kingdom	VID-19 on core surgical
Co-Authors	Pedram Panahi (Presei Shaikh Sanjid Seraj, Jo	nting author), Pushpa Ve nathan Unsworth-White	eralakshmanan (Presenting author),
Background/Introduction:		een affected by COVID-19 ngoing and future patient	9 from the early stages of the pandemic care.
Aims/Objectives:			of the perceived impact of COVID-19 er progression in the United Kingdom.
Method:	survey was distributed	to core surgical trainees a ics, impact on commonly	devised using Google Forms. The across the United Kingdom; it assessed portfolio domains, academia
Results:	surgical training program range 0-30) of redeploy confirmed/suspected C perception of their portf experience was the mo	mme. There was a media ment and 2 days (Interqu OVID-19. A drop was obs olio quality and 42 respon st adversely impacted po	and 40 in the second year of their in number of 10 days (Interquartile lartile range 0-14) of sick leave due to served in respondents' global indents (56%) felt that operative rtfolio domain. The least impacted work on leadership/management
	and were prevented fro Interquartile range 1-3) cancelled. All 75 respon pandemic. 63 responde	m doing so owing to the p and conferences (Media ndents had been exposed ents (84%) felt more stres	an additional postgraduate qualification bandemic. Several courses (Median 2; n 2; Interquartile range 1-2) were d to virtual teaching as a result of the sed as a result of the pandemic and 44 confidence as a surgeon due to the
Discussion/Conclusion:	affecting both surgical t	raining and career progre	npact was observed in several domains sssion. In order to maintain optimal I in surgical training schemes as the
All abstracts will be considered for both Oral and Poster presentation, but please tick here if you only wish to be considered			

Poster Only:

Submission ID: Submission By:	26861 Dr Jan Sher Khan	Submission Date:	30/01/2022 15:33:20
Abstract Title	the surgical bloc	cks for 4th year r	rgical skills session into medical students-impact in surgical career
Co-Authors	Jan Sher Khan, Bushra I	Riaz, Nikola Henderson	
Background/Introduction:	Basic surgical skills bein make it regular part of th School of Medicine.	g cornerstone of surgical e four weeks surgical blo	domain and practice, we felt need to ck for 4th year students of Dundee
Aims/Objectives:	Make this session forma students' perception of a	l part of the surgical block cquisition of skills and int	and analyse its impact on the erest in surgery.
Method:	block, starting from Sep, tutors for these sessions simple interrupted and co hand knot tying were der practice of these skills. A	2021. Core trainee level . All the basic skills like s ontinuous suturing, sub-c monstrated and then the slso one to one assistance and master these basic sk	kills centre at the beginning of each fellows in general surgery were the safe handling of surgical instruments, uticular suturing and instrumental and students were let to do hands on e and supervision was provided to stills. Students' feedback was obtained
Results:	agreed that it was an app overall event as excellen 90% of the students thou confidence in performing the theatre sessions. In t	propriate idea to introduce it while 42% as very good ight that introduction of th surgical skills and is use terms of having an impact	e session. 100% of the students e this course. 58% students rated the d and no one rated as poor. More than his session has increased their oful for their surgical block, especially t on interest in surgery as a career, 21% were not sure of that.
Discussion/Conclusion:	only improves their confi	ills sessions as regular pa dence in performing thes rgery as a subject and as	art of medical students teaching not e skills but also is having impact on a career.
All abstracts will be considered for both Oral and Poster presentation, but please tick here if you only wish to be considered for Poster Presentation.			ere if you only wish to be considered

Poster Only:

Submission ID: Submission By:	26864 Dr Timothy Griffiths	Submission Date:	30/01/2022 15:58:35
Abstract Title			medical education - a pandemic in the UK
Co-Authors	Glen Davies, Michael F	arfan Arango, Shireen Mo	cKenzie
Background/Introduction:	enhance knowledge ac restrictions prohibited fa	quisition, when engaging ace to face teaching and o	ity digital innovation that would with online teaching. As pandemic continues to do so there is a need for sessions to continue under social
Aims/Objectives:			ear peers at the University of Leeds for ant during social distancing restrictions
Method:	virtual teaching session	simulating a doctor-patie	ts worn by the teacher, we created a nt interaction. This maintains safe al clinic style session to the students
Results:	Qualitative evidence de session and on recorde teaching sessions and	monstrated a clearly posid feedback sheets. It alig	rel solution to social distancing. tive response from the students in the ned with their desired outcomes for hey felt was lacking due to pandemic face interaction.
Discussion/Conclusion:	simulation-based teach from homes into a simu enthusiasm. Students v with tutors when face to other case reports utilis	ing. It can be utilised to b lated clinic environment a vanting 'OSCE style revis b face teaching is restricted	pproaches to replicate low-fidelity ridge bed side teaching for students and students took to it well with ion' can utilise this method of teaching d. We are not aware at present of any in the style we have described. It could be settings.

Poster Only:

Submission ID: Submission By:	26871 Miss Lynette Jane Spalding	Submission Date:	30/01/2022 16:38:04
Abstract Title	Supported Retu	urn to Training	
Co-Authors	Lynette Spalding		
Background/Introduction:	out of training. Trainees reasons. These may be such as parental leave of return to training can be	may take a period of tim professional such as un or unplanned such as sic challenging and dauntin	e doctors in England are taking time e out of training for a number of dertaking a research degree, personal k leave. Whatever the reason, the g. There are many anecdotes about lights in a previously unknown unit for
Aims/Objectives:	returning to training - Su	ippoRTT.	ogramme that supported trainees to training were appointed to develop
Method:	created to suit an individ These resources include	dual trainees needs. ed a period of supernume	a bespoke package of support to be erary working, refresher courses and paching was also available.
Results:	Each of the local Health formalised meetings bet	Education England offic ween the trainee and the	Il received with much positive feedback. es has a local process which includes eir Training Programme leave (if planned), during the return
Discussion/Conclusion:	a planned, safe and sup ultimately to patient care	ported way, to the benef e. red regarding the availab	inees to transition back into training in it of the trainee, their department and ility of this support to trainees in order

Poster Only:

Submission ID: Submission By:	27298Submission Date:30/01/2022 20:08:36Mr Raveen Lasantha Jayasuriya
Abstract Title	Transition from higher surgical trainee to consultant practice: a scoping review of non-clinical deficiencies in training
Co-Authors	RL Jayasuriya, JE Tomlinson
Background/Introduction:	Higher surgical training in many UK deaneries focus on delivery of clinical knowledge to pass FRCS exams, technical skills to fulfil CCT requirements, and clinical preparedness. The lack of good quality evidence to characterise the challenges of non-clinical skill and knowledge to ease the transition from higher surgical trainee to consultant surgical practice, makes it challenging to develop a well-structured intervention to address this gap.
Aims/Objectives:	To identify the gap in the current literature, the methodologies adopted for characterisation, and analysis of inventions trialled to address the transition from surgical trainee to consultant surgeon.
Method:	PRISMA-ScR structured scoping review of literature. Search terms were wider than the desired specific research question of surgery in the UK, to include other medical specialities, and overseas healthcare system training programmes, and focusing the gap analysis for translatable content and a sub analysis to highlight the paucity of literature in surgery.
Results:	Databases interrogated: Medline, HMIC, Pubmed, Google Scholar. Papers: identified n= 434, screened n=276, eligible n=105, included n=50.
	The majority of papers identified are of poor to moderate quality, but still providing some data for results synthesis. The better-quality papers included those adopting a mixed methods approach to both characterise the gap in training and utilised this to structure interventional programmes. A similar pattern was seen when reviewing articles
Discussion/Conclusion:	This scoping review highlights the need for a mixed methods approach for characterising the gap in training for high surgical trauma and orthopaedic trainees making the transition to UK NHS consultant practice. This will most likely commence with a stakeholder analysis to identify who to target for qualitative semi-structured interview (most likely to be newly appointed consultants). The topic guide for such interviews would be informed by the deficiencies in training identified in this scoping review.

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Submission ID: Submission By:	27299 Mr Anish Sanghrajka	Submission Date:	30/01/2022 20:11:57
Abstract Title			es' opinions on the nent in Trauma &
Co-Authors	Michael Pullinger, Sertaz	z-Niel Kang, Philip Johnst	on
Background/Introduction:	intermediate stage of tra trajectory in the develop	ining in Trauma & Orthop ment of these competenc	uired by the completion of the aedics in the UK. An acceptable ies through training has not been idual trainee's development.
Aims/Objectives:	trajectory in the develop	ment in competencies for	r and trainee expectations of the specific trauma procedures, to see dised benchmarks to be set.
Method:	An electronic survey was trainee's competency (de trauma procedures at lev	efined by Procedure Base	idents to score their expectation of a ad Assessment level) for specific
	Using the modified Dilma	an Tailored Design Metho	d, 32 Educational Supervisors and 73
Results:	agreement amongst both ST8. For ST6, there was hemiarthoplasty and 4b competencies ranged be spread between 2a and	n groups that trainees sho s general agreement amo for hip fixation. For all oth etween 3a and 4b. Greate	er variability was found for ST4, with an an arrest and the second s
Discussion/Conclusion:	expectations of compete variation has significant training at these levels.	nce in trauma procedures implications for the asses Whilst all agree that train	ked variation in trainers' and trainees' s at ST6 and ST4 levels. This sment of adequate progress in ees should be fully competent at the gression need to be agreed.

Poster Only:

Submission ID: Submission By:	27336 Ms Nadine Paul	Submission Date:	30/01/2022 22:26:31
Abstract Title		cal teaching cou	ating laparoscopic skills rses for medical
Co-Authors	Kiyara Fernando, Jonath	an Makanjuola	
Background/Introduction:	cornerstone of practical	training for juniors. Lapar	onent of a medical curriculum, and a oscopy now is commonplace in most e opportunities to practise it in a
Aims/Objectives:	College Hospital, Londor proficiencies amongst ju	n, with a focus on develo niors. Post-course feedba	nto the BSS course run at Kings ping confidence and basic ack was used to evaluate the e view to expand a similar course
Method:	training in basic laparoso	copic urological skills (E-I	corporating tasks from the European BLUS) program utilising laparoscopic ctively using a digital platform.
Results:	(28), and third year med minimal or no prior expe confident' undertaking be opportunities to practice participants felt increase useful learning tool, with cited more time on the la	ical students (18). Prior to rience in surgical skills. 2 asic surgical procedures, laparoscopic skills. Follo d confidence, with all par skills complexity at an ap paroscopic skills trainer	nts were Foundation Year One Doctors of the course, 44 participants reported 25 considered themselves 'not at all and 48 reported none or very few wing the teaching session, 50 tricipants finding the course to be a opropriate level. Qualitative comments as an area for improvement, with to building upon laparoscopy.
Discussion/Conclusion:	revolutionised clinical pra confidence and perception curve for more complex	actice. This basic laparos on of improved skills, with laparoscopic tasks. Basic	f modern surgery and has scopic skills course increased trainee in the view to shorten the learning c competency can be acquired using naking similar teaching courses

Poster Only:

Submission ID: Submission By:	27952 Submission Date: Dr Akriti Nanda	04/02/2022 16:02:13
Abstract Title	A National Equality Diversity an	d Inclusivity Workshop
Co-Authors	Akriti Nanda, Sanah Ali, Catherine Lovegrove, As Okocha	SiT EDI Working Group, Michael
Background/Introduction:	The 2021 Kennedy report highlighted the need for fundamental aspects of surgical training.	or diversity and inclusion to be
Aims/Objectives:	The Association of Surgeons in Training (ASIT) h workshop for surgical trainees to explain the impo- staff whilst exploring ally and active bystander co	act of discrimination on patients and
Method:	The workshop consisted of a short film and anon included extracts from the Kennedy report, ASIT experiences of discrimination, and explained the surgical practice. The cases were based on them parental discrimination and LGBTQIA+ persons, active bystander behaviours. Limiting group sizes an appropriate environment to discuss sensitive using QR-coded short MCQ-style factual and fee	s 50 Faces of Surgery series, 2010-Equality Act in relation to nes of racism, sexism, Islamophobia, focussing on the role of allyship and s encouraged participation and created topics. The workshop was assessed
Results:	The authors ran multiple workshops for a total or had never had any training on topics of diversity Kennedy Report and protected characteristics. A recognise situations where discrimination/bias pl from 32% prior to workshop). After, almost all pa of allyship and 93% left feeling they had a suitab discrimination (rose from 61%). 98% found the session beneficial in their role as thought EDI teaching would be useful prior to the	and most were unaware of the fter the workshop, 93% felt confident to ay a role in healthcare settings (rose rticipants understood the responsibility le strategy for scenarios involving a core trainee (rose from 58% who
Discussion/Conclusion:	This workshop educates and empowers learners surgical trainees should be trained to understand how to act as an ally for patients and their collear	I the diverse population they serve and

Poster Only:

Submission ID: Submission By:	27963 Mr Andrew Keenlyside	Submission Date:	04/02/2022 18:11:56
Abstract Title	literature Revie	w on Undergrad Schools (2011 –	rgical Teaching – A uate Surgical Education 2021) and Analysis of
Co-Authors	Andrew Keenlyside 1, K Gordon Hogg 1. 1 - Scł Medical School, Dundee	nool of Medicine, Universi	Neil Harrison 1, Roderick McLeod 1, ity of Dundee, Ninewells Hospital and
Background/Introduction:			ergraduate curricula with extreme cialty and medical school.
Aims/Objectives:	medical schools with a f analysis of theatre etiqu	ocus on changes over the ette and basic surgical sk	raduate surgical education in UK e previous decade (2011- 2021). An ills (BSS) courses of the University of ertaken, with comparison to the
Method:	AND (teaching) AND (U relevance to yield the 10	K)" returned 155 publica 00 publications discussed	e) AND (medicine) AND (Surgical) tions. These were screened for in this review. Analysis of Dundee for BSS and theatre etiquette courses.
Results:	surgical skills (BSS) cou	irses and student opportu	peer assisted, short targeted basic inities, including mentorship and re often limited within institutions.
	and significant inconsist	ency between medical so	often taught briefly with little follow up chools. These could be aided by the g and non-technical skills teaching.
Discussion/Conclusion:	education to ensure pat remains highly varied be	ent safety and graduate of tween institutions, poten	n urgent need for reform of surgical competency. Surgical Education tial posing barriers to change and g both national standardisation and
	A high degree in confide students following theat	ence in the included pract re etiquette and BSS cou	ical skills was indicated by Dundee rses.

Poster Only:

Submission ID: Submission By:	Submission Date: Mr Khan
Abstract Title	Evaluating Clinical Learning Environment for Postgraduate Trainees at a Tertiary Care Hospital
Co-Authors	Qamar Riaz; Sadia Masood; Amir Shariff; Muhammad Rizwan Khan
Background/Introduction:	The clinical learning environment (CLE) is the overlapping space between the clinical learning environment and the educational practices. Trainee perceptions of their CLE serves as the quality indicator of the academic practices of the programme.
Aims/Objectives:	The purpose of the current study was to measure residents' perceptions regarding their CLE at Aga Khan University (AKU) using Postgraduate Hospital Educational Environment Measure (PHEEM) inventory, which is a validated tool for assessment of CLE.
Method:	An all-inclusive, non probability sampling was employed for this cross sectional survey. An email explaining the purpose with a link to the online PHEEM inventory was sent to all postgraduate trainees enrolled in all 34 residency programmes at AKU. A consent was taken and ethical approval was obtained from IRB. Means with standard deviations, frequencies and percentages were calculated. One-way ANOVA was used to measure difference between gender, year of training and residency programmes. P-values of <0.05 was taken as significant.
Results:	A total of 347 (69.4%) residents responded. The overall mean score was 107 ± 21.4 indicating 'more positives than negatives but room for improvement'. The mean scores for the subdomains of Autonomy, Teaching, and Social support were found to be 33 ±7.24 (More positive perception), 42 ±8.9 (Moving in right direction) and 27 ±6.2 (More pros than cons) respectively. There was no difference in the CLE perceptions on the basis of gender. There were significant differences in the CLE scores on the basis of residency program with highest in Radiology (122.3 ±13.5) and lowest in Surgery (95.47 ±19.0), and according to year of residency training with highest in first year (111.3 ±17.8) and lowest scores in the final year (81.5 ±34.3).
Discussion/Conclusion:	The results of CLE survey helped us identify the strengths and weaknesses of our programmes. Remedial measures addressing the areas identified through PHEEM can improve the quality of the CLE in the residency programmes.

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