

**SURGICAL RESEARCH SOCIETY VIRTUAL MEETING  
WEDNESDAY 24TH MARCH 2021**



16:00 **INTRODUCTION & WELCOME**

**Professor Arnie Hill**

16:05 **JOHN FARNDON LECTURE**

"WHAT SURGEONS SHOULD KNOW ABOUT MITOCHONDRIA"

**Professor Michael Murphy**

16:30 **RCS (ENG) FELLOWS PRESENTATIONS**

16:30 INTRODUCTION

**Professor Peter Hutchinson**

16:40 TARGETING THE PROCOAGULANT SYSTEMIC AND TUMOUR ENVIRONMENT IN BREAST  
CANCER

**Emma Blower (Hon)**

16.45 ASSESSING CERVICAL FORAMINAL STENOSIS USING IMAGING TECHNIQUES

**James Meacock**

16:50 TRANSFORMING OUTCOME MEASURES IN PLASTIC SURGERY

**Conrad Harrison (Hon)**

16.55 ACID CERAMIDASE: A POTENTIAL BIOMARKER FOR LOCALLY ADVANCED RECTAL  
CANCER

**Rachael Clifford**

17:00 BIO-GERIATRIC ASSESSMENT- OPTIMISING TREATMENT OF BREAST CANCER IN OLDER  
WOMEN

**Ruth Parks (Hon)**

17.05 CHARTING THE HURDLES IN ANORECTAL MALFORMATIONS (CHARM) STUDY

**Kat Ford**

17:10 PROTEOMIC STUDY OF COMPLEX WOUNDS

**Lewis Dingle**

17.15 MAPPING THE PREVALENCE AND PROGRESSION OF CHRONIC VENOUS DISEASE IN  
ENGLAND

**Safa Salim (Hon)**

17:20 DEVELOPMENT OF RISK CALCULATORS FOR HAND OSTEOARTHRITIS AND INVASIVE  
TREATMENT

**Karishma Shah (Hon)**

17.25 THE WALES BOWEL CANCER MOONDANCE INITIATIVE

**Jody Parker**

17:30 QUESTION AND ANSWER SESSION

Surgical Research Society

**PARALLEL SESSION 1**

18:00	<b>COHORT STUDIES</b>	<b>Chairs Professor Alun Davies &amp; Mr. Daryll Baker</b>
18:00	ACTIVATED LEUKOCYTE CELL ADHESION MOLECULE (ALCAM) AND ITS INTRACELLULAR LINKERS IN ASSESSING THE OUTCOME OF PATIENTS WITH BREAST CANCER	<b>Yiming Yang</b>
18:07	THE EFFECT OF MALNUTRITION ON EARLY OUTCOMES AFTER CANCER SURGERY: AN INTERNATIONAL PROSPECTIVE COHORT STUDY	<b>Aya Riad</b>
18:15	QUICK, SIMPLE AND JUST AS EFFECTIVE – COMPARING PM:L3 RATIO TO NELA, P-POSSUM AND NSQIP SCORES FOR EMERGENCY LAPAROTOMY	<b>Joyce Ming</b>
18:21	IS HYPOALBUMINAEMIA ASSOCIATED WITH AMPUTATION-FREE SURVIVAL IN CHRONIC LIMB-THREATENING ISCHAEMIA? A RETROSPECTIVE COHORT STUDY	<b>Andrew Nicholson</b>
18:28	RISK OF DEATH FOLLOWING PULMONARY COMPLICATIONS OF SURGERY WITH AND WITHOUT SARS-COV-2 INFECTION: A COMPARATIVE ANALYSIS OF PRE-PANDEMIC AND PANDEMIC COHORT STUDIES	<b>Isobel Trout</b>
18:35	OUTCOMES AFTER NON-OPERATIVE MANAGEMENT OF PERFORATED DIVERTICULAR DISEASE: A POPULATION BASED COHORT STUDY.	<b>Alife Adiamah</b>
18:42	PREDICTIVE AND PROGNOSTIC ROLES OF POLYMERIC IMMUNOGLOBULIN RECEPTOR IN LARGE AND LOCALLY ADVANCED BREAST CANCER	<b>Wichitra Asanprakit</b>

**PARALLEL SESSION 2 MEETING ROOM 2**

18:00	<b>BASIC SCIENCES</b>	<b>Chairs Professor Tim Underwood &amp; Dr. Tracey Martin</b>
18:00	EXPRESSION OF POLYMERIC IMMUNOGLOBULIN RECEPTOR (PIGR) AND THE EFFECT OF PIGR OVEREXPRESSION ON BREAST CANCER CELLS	<b>Wichitra Asanprakit</b>

18:07	INTERTUMOURAL HETEROGENEITY IN THE STRUCTURE OF THE NEUROVASCULAR UNIT IN GLIOMA: A RETROSPECTIVE OBSERVATIONAL COHORT STUDY	Shiv Keni
18:15	THE DIAMETER OF AN ANORECTAL PHYSIOLOGY CATHETER IN THE ANAL CANAL INFLUENCES THE RESULTS	Caroline Byrne
18:21	CAN STYLOID PROCESS AND INTERNAL CAROTID ARTERY ANATOMY BE USED TO PREDICT CAROTID ARTERY DISSECTION?	Lucinda Cruddas
18:28	ABERRANT EXPRESSION OF BMP8A AND THE BMPRS INVOLVES IN THE PROGRESSION OF BREAST CANCER	Laijian Sui
18:35	ABERRANT EXPRESSION OF NOGGIN HAS A SUBTYPE SPECIFIC ASSOCIATION WITH SURVIVAL OF BREAST CANCER PATIENTS	Ming Liu
19:00	<b>PATEY PRIZE SESSION 1</b>	<b>Chairs Professor Arnie Hill and Professor Dileep Lobo</b>
19:00	ELEVATED EXPRESSION LEVEL OF CAPILLARY MORPHOGENESIS GENE 2 IN PANCREATIC DUCTAL ADENOCARCINOMA CELL IS ASSOCIATED WITH DISTANT METASTASIS AND POOR PROGNOSIS	Ziqian Fang
19:10	MORTALITY FOLLOWING ELECTIVE AND EMERGENCY COLORECTAL SURGERY IN PATIENTS WITH CIRRHOSIS: A POPULATION-BASED COHORT STUDY FROM ENGLAND	Alfie Adiamah
19:20	EX VIVO NORMOTHERMIC MACHINE PERFUSION FACILITATES GYMNOTIC DELIVERY OF RNA INTERFERENCE THERAPEUTICS IN DONOR KIDNEYS	Emily Thompson
19:30	NEURAL NETWORK IMAGE CAPTURE TO PREDICT RESPONSE OF OESOPHAGEAL ADENOCARCINOMA TO NEOADJUVANT THERAPY	Saqib Rahman
19:40	MEAN OPENING PRESSURE PREDOMINANTLY ASSESSES INTERNAL ANAL SPHINCTER FUNCTION	Caroline Byrne
19:50	ANALYSIS OF ANGIOGENIC GENE PROFILING AFTER E-SELECTIN+ STEM CELL THERAPY IN MURINE ISCHEMIC LIMB	Hallie Quiroz (SUS Prize Winner)
20:00	TOLL-LIKE RECEPTOR 3 MEDIATES OSTEOBLASTIC PHENOTYPE SWITCH IN CALCIFIC AORTIC VALVE DISEASE.	Can Gollmann-Tepekoylu (ESSR Prize Winner)

## THURSDAY 25TH MARCH

15:30	<b>Surgical Research Society AGM</b>	
16:00	<b>COVID</b>	<b>Chairs Professor Steve White &amp; Professor Arnie Hill</b>
16:00	CENTRAL VENOUS ACCESS IN VENTILATED COVID-19 PATIENTS: A VASCULAR SURGERY PERSPECTIVE	<b>Perry Liu</b>
16:07	COVID-19 MORTALITY AFTER VASCULAR PROCEDURES DURING THE INITIAL UK SURGE: MOVING FORWARD WITH ELECTIVE VASCULAR WORK	<b>Perry Liu</b>
16:15	OUTCOMES OF PATIENTS UNDERGOING EMERGENCY SURGERY DURING THE FIRST PHASE OF NATIONAL LOCKDOWN IN THE UNITED KINGDOM DUE TO COVID-19 PANDEMIC: EXPERIENCE AT A DISTRICT GENERAL HOSPITAL	<b>Aiman Aslam</b>
16:21	COLORECTAL CANCER RESECTIONS DURING COVID-19: TO DO OR NOT TO DO?	<b>Reece Barter</b>
16:28	THE IMPACT OF COVID-19 ON ACCESS AND AVAILABILITY OF RADIOLOGICAL IMAGING AND SURGICAL INTERVENTION AT THE EAST MIDLANDS MAJOR TRAUMA CENTRE: AN ICON TRAUMA STUDY.	<b>Jaz Sehra</b>
16:35	THE IMPACT OF THE COVID-19 PANDEMIC ON UNDERGRADUATE MEDICAL EDUCATION: A SURVEY OF STUDENTS' SAFETY AND SATISFACTION DURING BREAST SURGERY CLINICAL PLACEMENT	<b>Rehab Gasiea</b>
16:52	CAROTID SURGERY DURING THE COVID-19 PANDEMIC	<b>Andrew Busuttil</b>
16:47	VARIATIONS IN ORTHOPEDIC TRAUMA PRESENTATION DURING COVID-19 LOCKDOWN	<b>Mansoor Chaudhry</b>
17:00	<b>"THE MARTYN COOMER LECTURE: ROYAL COLLEGE OF SURGEONS OF ENGLAND RESEARCH INITIATIVES: PAST, PRESENT AND FUTURE"</b>	<b>Professor Peter Hutchinson</b>

### PARALLEL SESSION 1

17:45 **SYSTEMATIC REVIEW**

17:45 UNIDIMENSIONAL AND FUNCTIONAL PAIN ASSESSMENT TOOLS IN POSTOPERATIVE ADULT PATIENTS: A SYSTEMATIC REVIEW OF THEIR DEVELOPMENT AND UTILITY.

17:52 PREDICTIVE MODELS OF INDIVIDUAL RISK OF ELECTIVE CAESAREAN SECTION COMPLICATIONS: A SYSTEMATIC REVIEW

17:59 QUANTIFYING THE BURDEN OF SURVIVORSHIP ASSOCIATED WITH INFRA-RENAL ABDOMINAL AORTIC ANEURYSM REPAIR: A SYSTEMATIC REVIEW

18:06 EVALUATION OF RISK PREDICTION MODELS FOR POSTOPERATIVE PULMONARY COMPLICATIONS IN ADULTS UNDERGOING MAJOR ABDOMINAL SURGERY: A SYSTEMATIC REVIEW AND EXTERNAL VALIDATION STUDY IN THE RESPIRATORY COMPLICATIONS AFTER ABDOMINAL SURGERY (RECON) COHORT

**Chairs – Mr. Daryll Baker & Dr. Tracey Martin**

**Reham Baamer**

**Annes Ahmeidat**

**Kian Patel**

**Victoria Murray**

### PARALLEL SESSION 2 MEETING ROOM 2

17:45 **EDUCATION**

17:45 VIRTUAL: VIRTUAL INTERACTIVE SURGICAL SKILLS RANDOMIZED CONTROLLED TRIAL (PROTOCOL)

17:52 GENDER BIAS AND SEXUAL DISCRIMINATION IN ORTHOPAEDICS: TIME FOR CHANGE

17:59 GENDER REPRESENTATION IN THE AUTHORSHIP OF SURGICAL JOURNALS

18:06 DIFFERENCES IN ARCP OUTCOME BY SURGICAL SPECIALTY: A LONGITUDINAL COHORT STUDY

**Chairs Miss Rachel Hargest & Dr. Joseph Shalhoub**

**Kien Hang**

**Usman Halim**

**Elisha Gallivan**

**Carla Hope**

### PARALLEL SESSION 3

18:20 **EXPERIMENTAL & DATABASE**

18:20 SAFE DELIVERY OF SURGICAL TRACHEOSTOMIES IN COVID-19 PATIENTS DURING THE PANDEMIC.

**Chairs Professor Alun Davies & Professor Tim Underwood**

**N Angamuthu**

- 18:27 INCONGRUOUS TRENDS IN PERIPHERAL ARTERIAL DISEASE AND AMPUTATION IN AUSTRALIA
- 18:34 THE USE OF AUGMENTED REALITY FOR SURGICAL GUIDANCE: AN ASSESSMENT OF THE HUMAN ERROR
- 18:41 NEW GUIDELINES TO REDUCE UNNECESSARY BLOOD TESTS, DELAYED DISCHARGE AND COSTS FOLLOWING ROBOT ASSISTED RADICAL PROSTATECTOMY
- 18:48 THE UTILITY OF PLASMA CIRCULATING CELL-FREE MESSENGER RNA AS A BIOMARKER OF GLIOMA: A PILOT STUDY
- 18:55 PLASMA CIRCULATING CELL-FREE MESSENGER RNA AS A POTENTIAL BIOMARKER OF MELANOMA
- 19:02 FAECAL IMMUNOCHEMICAL TESTING: COST EFFECTIVE WAY STRATIFYING SYMPTOMATIC PATIENTS FOR URGENT STRAIGHT TO TEST INVESTIGATION

**Richard Goodall**

**Parivrudh Sharma**

**Monty Fricker**

**Michael Ita**

**Michael Ita**

**Jaz Seehra**

**PARALLEL SESSION 4 MEETING ROOM 2**

- 18:20 **ASIT SESSION – TECHNOLOGY ENHANCED TRAINING**
- 18:25 INTRODUCTION
- 18:35 DEFINING THE UNMET NEED
- 18:50 TECHNOLOGY ENHANCED SURGICAL TRAINING
- 18:50 ARTIFICIAL INTELLIGENCE AND SURGICAL TRAINING

**Chari Sivesh Kamarajah**

**Josh burke**

**Angela Lamb**

**Josh burke**

**Tamara Gall**

**PATEY PRIZE SESSION 2**

- 19:15 TRACKING WOUND INFECTION WITH SMARTPHONE TECHNOLOGY (TWIST): A RANDOMISED CONTROLLED TRIAL IN EMERGENCY SURGERY PATIENTS. M1 MACROPHAGES EVOKE AN INCREASE IN POLYMERIC IMMUNOGLOBULIN RECEPTOR EXPRESSION IN MDA-MB468 BREAST CANCER CELLS THROUGH INTERLEUKIN-1 BETA

**Chairs Professor Arnie Hill and Professor Dileep Lobo**

**Kenneth McLean**

19:35 MYOCARDIAL TOLERANCE TO EXSANGUINATION AND RETRIEVAL USING WHOLE BLOOD-SELECTIVE AORTIC ARCH PERFUSION

**Wichitra Asanprakit**

19:45 ACTIVATED LEUKOCYTE CELL ADHESION MOLECULE (ALCAM/CD166) IS AN IMPORTANT CLINICAL AND PROGNOSTIC INDICATOR IN PANCREATIC CANCER

**Marta Madurska**

19:55 ARTIFICIAL INTELLIGENCE-BASED RISK PREDICTION FOR DEATH AFTER EMERGENCY LAPAROTOMY USING MULTI SLICE CONTRAST ENHANCED COMPUTERISED TOMOGRAPHY

**Yiming Yang**

**Saqib Rahman**

**BJS Lecture**

20:10 SIGNAL – A SURGEON-LED WINDOW OF OPPORTUNITY TRIAL USING PREOPERATIVE RADIATION AS IMMUNE PRIMING IN BREAST CANCER

**Dr. Muriel Brackstone**

20:45 **Presentation of Prizes**

**Professor Dileep Lobo**

