

WORKSHOP

MITIGATING LATENT THREATS THROUGH AN EMBEDDED IN-SITU SIMULATION PROGRAMME

Faculty



Dr Mary Lane MBChB, FRCA

Consultant Paediatric and Congenital Cardiac Anaesthetist, Royal Brompton Hospital
Director SPRinT programme

Dr Lane joined the SPRinT programme in 2009, developing and leading the expansion of the Mobile SPRinT programme. She served as associate director in 2011 before becoming a Director in 2012. As a director, she has helped lead the development of SPRinT into an internationally recognised and national award winning programme.

Mary has a keen interest in medical education and human factor training, in particular using simulation with a focus on adult learning techniques to enhance and consolidate learning. She is a graduate of the Harvard/Children's Hospital Boston Simulation Instructor Course (2010/11) and London Deanery Simulation Facilitation Training (2009). In 2015 she completed her Masters in Medical Education, awarded with distinction from the University of Bedfordshire.

Dr Lane has served on the Education Committee of the Association of Paediatric Anaesthetists since 2013 and as council member of the Patient Safety Section of the Royal Society of Medicine since 2016. As Chair of Royal Brompton's Experts in Simulation Committee since 2015, she has overseen the implementation of several quality improvement initiatives to promote safe in-situ simulation.



Dr Margarita Burmester MBBS, MRCP, FRCPC, FFICM, MAcadMED

Lead Consultant Paediatric Intensive Care Unit, Royal Brompton Hospital
Director SPRinT programme

As part of her training, Margarita has studied at the Toronto Hospital for Sick Children, Canada and Great Ormond Street Hospital, London. As Consultant Intensivist at Boston Children's Hospital she became interested in simulation and, in 2008, she founded the SPRinT (Simulated interPROfessional Team Training) programme at Royal Brompton Hospital in order to enhance patient safety through high-level team training in the clinical environment. This award-winning programme trains over 100 senior interprofessional staff from across the Trust each year. Margarita has led research in innovative adult learning techniques and translation into clinical effectiveness and improvement.

Margarita is a trained facilitator is a graduate of the Children's Hospital Boston Simulation Instructor's and Refresher workshops and is a Member of the Academy of Medical Educators.

Margarita was a founding member of the Clinical Skills and Simulation Centre (CSSC) – a joint venture between Royal Brompton and Royal Marsden Hospitals. She was Secretary and Research Lead for the Paediatric Intensive Care Society Education, Learning and Simulation (PICSELS) group 2010-14, and sat on the Board of Directors of IPSSW (International Pediatric Simulation Symposia & Workshops) from 2011-14. She is currently Executive Board Member of the Association for Simulated Practice in Healthcare (ASPIH) and is a patient safety judge in education and training for the Patient's Safety Congress, UK.

Margarita likes swimming (leisurely, in the summer in Greece!) and playing the piano.



Ms Judy Cotterill RGN, BSc

Ward manager/Lead Nurse – Post-Anaesthetic Care Unit (PACU) & Catheter labs
Lead for mobile SPRinT

Judy completed the Boston Children's Hospital's simulator instructor workshop (Harvard University) in 2009 and is a trained London STELI Simulation Facilitator. She is currently senior nurse/matron for Mobile SPRinT leading the development of SPRinT within the Royal Brompton Hospital (RBHT).

The SPRinT team has introduced simulation training in latent threats for multi-disciplinary teams focusing on improving communication in order to enhance team work in the workplace.

Judy has also completed the Team Resource Management (TEREMA) master class on Human Factors (HF) and now facilitates workshops on this topic. This course provides knowledge, skills and understanding which enables every professional to perform at their best, to get the best from their team and from the tools, technology and systems which they use.

Judy has presented and co-authored internationally several presentations and publications related to simulation, patient safety and human factors in the PACU environment.

Judy is the ward manager/lead nurse of the post anaesthetic care unit (PACU) and catheter labs at the Royal Brompton Hospital, a leading tertiary centre in Europe for cardio thoracic surgery and respiratory medicine.

Judy completed her nursing degree in Australia and has an intensive care (ICU), anaesthetic and recovery background in both adult and paediatrics.



Dr Cecilia Korb MD, MSc

PICU Clinical Fellow, Royal Brompton Hospital
SPRinT Research Fellow

Dr Korb graduated in Medicine and obtained specialty qualifications in Paediatrics and Paediatric Intensive Care in Brazil. While developing a keen interest in medical education and research, she was awarded a Master of Science degree in Paediatric and Child's Health in 2013. Her involvement with simulation started as PALS course instructor with the American Heart Association in 2010.

Since 2015, she has been working with the Simulated InterProfessional Team Training (SPRinT) programme at Royal Brompton Hospital, focusing on crisis resource management and human factor training. She has completed the SPRinT Introductory and Advanced Facilitators courses and serves as SPRinT Faculty. Her research interest in simulation includes paediatric emergency re-sternotomy after cardiac surgery, use of the innovative open chest model, team performance improvement through in-situ simulation, and quality CPR.



Dr Cathy O'Donoghue MB, BCh, BAO, FRCA

Consultant Anaesthetist, Royal Brompton Hospital
Faculty SPRinT programme

Dr O'Donoghue completed her anaesthesia training in Ireland with further cardiothoracic fellowship training at Brigham and Women's and Boston Children's Hospitals in Boston.

In 2013 she moved to the Royal Brompton Hospital from an assistant professor position at University of Florida Health. She has a special interest in medical education and is a recent recruit to

the SPRinT faculty team.



Ms Helena Sampaio RSCN

PICU Senior Staff Nurse & Advanced Nurse Practitioner Trainee, Royal Brompton Hospital

SPRinT Workshops Lead

Helena completed her Nursing degree in Portugal and worked in Neonatal Intensive Care and Paediatric A&E for 6 years, where she completed a Masters degree (MSc) in Paediatric Nursing. She moved to London in 2010 and started working on the Paediatric Intensive Care Unit at Royal Brompton, with an ongoing interest in education and simulation training. Currently training as an Advanced Nurse Practitioner (MSc) in this Unit, Helena is responsible for several quality improvement projects and continues to be involved in interprofessional team training.

Since 2013 as a faculty member in the SPRinT team, she has developed and facilitated education programmes that include high fidelity clinical simulation and workshops with an emphasis on human factors and crisis resource management.

She has been invited to present her work at the several national and international conferences with emphasis on simulation training in healthcare, such as Association for Simulated Practice in Healthcare (ASPIH) and the International Pediatric Simulation Symposia and Workshops (IPSSW).



Dr Caterina Vlachou MBBS

Consultant Adult and Congenital Cardiac Anaesthetist/Intensivist, Royal Brompton Hospital

Faculty SPRinT programme

Dr Vlachou has been working at the Royal Brompton in both Theatres and Critical Care Environments (High Dependency Unit). She is passionate about medical education, training and teaching, with a particular niche in Simulation and Human Factors. She is part of the faculty team running regular SPRinT courses in the High Dependency Unit, planning to contribute expanding the training to other critical areas and theatres.