

CAST Courses - Overview

The CAST Programme offers simulation-based training tailored to Specialist Anaesthesiology Trainees (SAT) at all levels, focusing on both technical and non-technical skills. It covers key areas in Anaesthesiology, Intensive Care Medicine, Ethical Decision-Making, and Crisis Resource Management. In addition to enhancing clinical expertise, the programme emphasizes leadership, teamwork, communication, reflection, and open disclosure, equipping trainees to apply these skills in the real-world healthcare environment. The courses are open to all anaesthesiology trainees, including non-SAT trainees, ensuring broad access to this essential training programme.

Anaesthesiology Emergencies (AE)

AE course is one of the foundational courses that allows trainees to practice managing common intraoperative emergencies. It offers trainees a safe environment to practice handling potentially life-threatening situations while introducing the core principles of Anaesthesia Crisis Resource Management.

Anaesthesiology Related Rare Emergencies Simulation Training (ARREST)

This course focuses on rare but clinically significant anaesthesiology emergencies. It provides trainees with the opportunity to review clinical guidelines for managing these emergencies while deepening their understanding of the critical role non-technical skills play in crisis situations.

Paediatric Anaesthesiology Emergencies (PAE)

This course focuses on managing both common and rare paediatric anaesthesiology emergencies. Many of the scenarios are based on real-life cases encountered by consultants during their careers. For trainees without paediatric hospital experience, this course offers a valuable opportunity to practice handling emergencies in this uniquely challenging patient population within a safe learning environment.

Simulation in Intensive and Critical Care (SICC)

This course focuses on the care of the critically ill adult patient, specifically designed to prepare anaesthesiology trainees through realistic and common emergency scenarios they will face during their critical care rotations. Through targeted training, trainees will develop the skills and knowledge necessary to manage these high-stake situations in real-world settings.

Crisis in Obstetric Anaesthesiology Simulation Training (COAST)

This course addresses obstetric emergencies, including both anaesthesia-related complications and complications arising during pregnancy. The course allows trainees to review most recent guidelines in obstetric anaesthesia and develop strategies for handling challenging interpersonal communication and decision-making in these situations.

Multidisciplinary Anaesthesiology and Surgery Crisis Operation Training (MASCOT ONE and TWO)

These multidisciplinary courses are the result of a collaborative initiative between the CAI and the Royal College of Surgeons in Ireland (RCSI), providing a shared educational platform for anaesthesia, surgical, and emergency medicine trainees. The scenarios are designed to be equally challenging and relevant for all teams. The courses focus on fostering effective teamwork, understanding Human Factors, and applying principles of Crisis Resource Management.

Managing Adverse Events (MAE)

The MAE course - designed for senior anaesthesia and surgical trainees - equips learners with skills to manage anaesthesia and surgery-related adverse events. It focuses on communication, open disclosure, and legal considerations, while also addressing the psychological impact of critical incidents. Through high-fidelity simulation and standardized patient (SP) communication scenarios, participants will gain hands-on experience in both the technical and interpersonal aspects of managing adverse events.

Airway CRISIS (A-CRISIS)

A-CRISIS course is tailored for more experienced trainees, focusing on difficult airway management. It tests trainees' ability to apply clinical knowledge and Human Factors skills in real-time emergencies.

Clinical Decision Making in Paediatrics (CDMP)

This course is designed for senior trainees. The clinical scenarios aim to challenge trainees' decision-making processes and preconceptions while also examining the biases that can influence their judgments. While it covers key clinical presentations, the main emphasis of this course is on metacognition.