



CLINICAL SKILLS CENTRE – LIST OF CONFIRMED MODULES – 06.04.18

Each module runs for 1 hour and costs £30*

The exception is Otology 4 which runs for 1 hour and costs £15

Da Vinci Robotic - Practical instruction on how to use the Si da Vinci Robot

The robotic module will be an opportunity for delegates to learn the operational aspects of using the da Vinci Si Robot. During one-hour training, the first 30 minutes will be devoted to understanding how it works. A trainer will go through the various aspects of the cart, the console, and the camera control unit & stack. Thirty minutes will then be spent practicing console work, enabling the delegates to learn how to manipulate instruments with the handle cradle which is integral to the robotic console.

Head and Neck 1 - Practical guide to neck ultrasound scanning

The head and neck 1 station will involve one-hour training in neck ultrasound scanning. This will enable delegates to learn how to operate an ultrasound machine and understand the basic tenets of its use when applied to neck anatomy, thereby allowing them to use this knowledge to diagnose pathology and integrate this into their clinical practice.

Head and Neck 2 - Crico-Thyroidotomy & Tracheostomy

The head and neck 2 station provides “Can’t Intubate - Can’t Oxygenate” (CICO), Front Of Neck Access (FONA) training. Delegates will have one hour of training in how to manage a patient where urgent access of an airway is required.

Delegates will learn technique of Cricothyroidotomy and Tracheotomy placement in an emergency setting.

Skills will be assessed using a validated tool. Trainers will be able to validate an uploaded trainee WBA for their ISCP portfolio.

Otology 1 - Extended Cortical Mastoidectomy on a 3D temporal bone

Delegates will spend 60 minutes performing a cortical mastoidectomy on a 3D temporal bone. Skills will be assessed using a validated assessment tool. At this station delegates competence will be assessed in identifying appropriate landmarks when performing an extended cortical mastoidectomy. Delegates would also be expected to define the path of descending portion of the facial nerve and also perform a posterior tympanotomy. For CCT trainees have to have an outcome 4 in Cortical mastoidectomy. This provides an opportunity to achieve this in a stress-free environment.

Otology 2 - Mastoidectomy with an Augmentation Reality Simulator

This will enable delegates to become familiar with new technologies and specifically the utilization of the Voxel-man Virtual Reality System to learn anatomy of the temporal bone and perform mastoid surgery. Delegates will be expected to follow a guidance tool and perform a full and extended cortical mastoidectomy. Proficiency will be assessed using a validated assessment tool. As in Otology 1 a WBA can be generated and uploaded on to the ISCP for trainer validation.

Otology 3 - Extended Cortical Mastoidectomy using the world's first 3D digital microscope

Otology 3 provides a unique opportunity for delegates, both trainees and trainers, to experience the world's first digital microscope. During this one-hour training session delegates will perform an extended Cortical Mastoidectomy using the 3D digital microscope and, if time permits, they will also have an opportunity of using the 3D temporal bone to insert a cochlear implant and a Soundbridge ossicular driver mechanism. Once again, this is a unique opportunity of being able to experience the world's first 3D digital microscope where the technology will permit CT scans to be uploaded onto the microscope generating an overlay Virtual Reality Imaging. This will guide surgeons in the future when performing surgical procedures.

Otology 4 - Temporal Bone anatomy and dissection using a HoloLens Virtual Reality System

Delegates will have an opportunity of using the Virtual Reality HoloLens, which will permit them to more clearly understand the three-dimensional aspects of temporal bone anatomy. This is new technology and is a station not to be missed as it will show very clearly how simulation will have an increasing role in surgical training in the future and also for surgical planning and execution, particularly allowing enhancements of patient safety.

Rhinology - Perform Sphenopalatine artery ligation; repair of anterior skull base defects; Endoscopic Sinus Surgery and septoplasty on a Sheep Model

Using a sheep's head, delegates will learn the technique of sphenopalatine artery ligation and also repair of the anterior skull base. They will also perform basic endoscopic sinus surgery in addition to septoplasty. This will enable work-based assessments to be generated, which can then be assessed by their trainers. During the training session, all surgical techniques will be marked using a validated tool.

This gives the opportunity for trainees to acquire a surgical skill in a non-pressurized simulated environment.

Laryngology 1 - Microlaryngoscopy, Laryngoplasty & Cordectomy with the Pig larynx

This is a one-hour training session utilizing the pig larynx to permit the acquisition of surgical skills in Laryngology. Delegates will be expected to remove lesions of the vocal cord, perform injection, Laryngoplasty, and Cordectomy. Delegates can generate work-based assessments as all surgical procedures will be assessed using a validated tool which will then be scored by their trainers.

Laryngology 2 - Practical Transnasal Oesophagoscopy

This provides an opportunity for delegates to learn and acquire the skill of Transnasal Oesophagoscopy. They will also have an opportunity of using balloon dilators to treat subglottic stenosis. The one-hour training period will again permit trainees to generate work-based assessments and their proficiency will be marked by their trainers.

Facial Plastics - Practical Paediatric Bronchoscopy

The facial plastics station will permit 60 minutes training in facial plastic techniques involving pig's trotters. Trainees will learn the techniques of Z-plasty, W-plasty, V-Y advancement, Rhomboid, Rotation, Bilobed and Advancement flaps. Each skill be assessed using a validated tool and delegates will be able to generate work-based assessments to be a scored by their trainers. These can be validated once uploaded onto the ISCP platform.

Paediatric Bronchoscopy - Learn - Z-plasty, W-plasty, V-Y advancement, Rhomboid, Rotation, Bilobed and Advancement flaps on Pig's trotters

The Paediatric bronchoscopy station will enable training in the assembling of the bronchoscope for clinical use. Using models, they will also then have an opportunity to extricate foreign bodies from the bronchi. Skills will be assessed using a validated tool and as paediatric bronchoscopy is an important skill to acquire for CCT, this simulation station enables trainees to generate work-based assessments which can be validated on the ISCP.