

Realistic Operative Workstation For Educating Neurosurgical Apprentices

TRENT
SIMULATION &
CLINICAL SKILLS
CENTRE at QMC

QMC Craniotomy Simulator Course

Course Convenor: Mr R D Ashpole FRCS Consultant Neurosurgeon,
Nottingham University Hospitals NHS Trust



This two day course provides medical representatives with the ideal foundation to gain practical knowledge of neurosurgical products, allowing them to more accurately meet the needs of surgical teams.

Sophie

“ As a medical representative it was invaluable to see the application of my products from the surgeons point of view. I would recommend the course to other medical device companies looking to expand their teams knowledge. ”

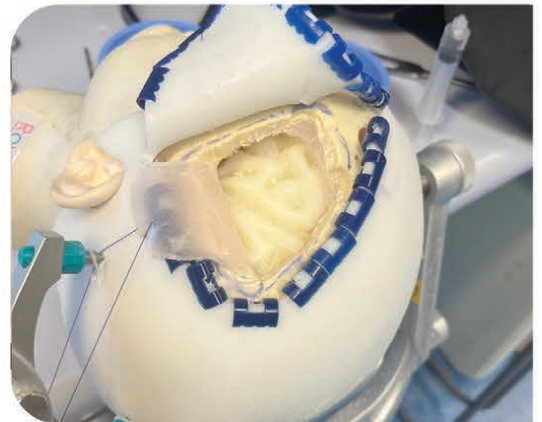
Jessica

“ It was great to get hands on experience using surgical instruments & medical devices along with ROWENA heads and Doro skull clamp systems. Not only do you insert various medical devices including shunt and EVD catheters & ICP bolts, you also get to position and pin the ROWENA head as you would in theatre. ”

The course had a very relaxed environment, where I felt comfortable asking questions which you may not get to ask in a clinical environment.

This is an excellent course for medical device sales companies looking to expand their teams knowledge and experience in neuro. ”

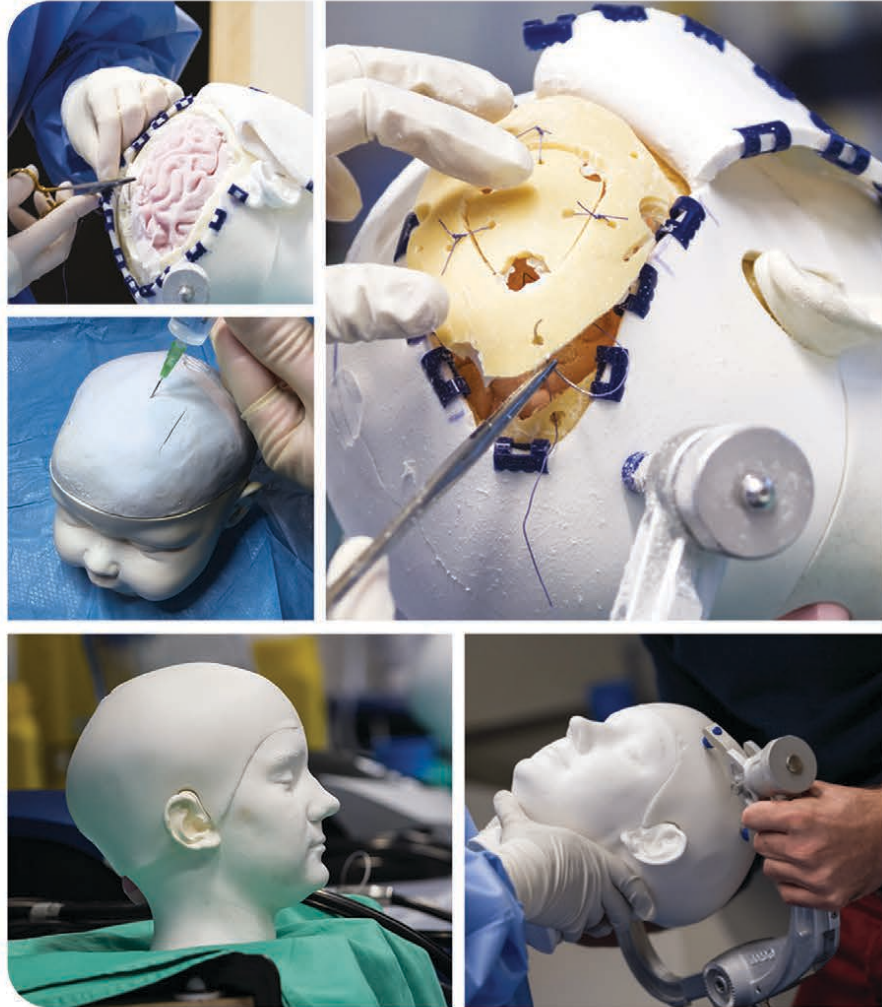
For details of the next course contact Trent Simulation & Clinical Skills Centre on 0115 9249924 , email: trentsim@nuh.nhs.uk or visit www.nuh.nhs.uk/courses



Designed by a practising UK neurosurgeon, Rowena® is a 3-part neurosurgical simulator for teaching adult & paediatric basic surgical techniques & anatomical approaches.

Key Features

- Available in adult & paediatric versions
- Realistic skull base anatomy
- Replaceable upper cranium with scalp, bone and dural layers
- Dural layer incorporates realistic vascular markings
- Fully conformed brain with standard sized or enlarged ventricles, enabling placement of catheters, endoscopy, and other types of ventricular access
- MR safe



Rowena® can simulate a wide range of procedures including:

- Positioning the head in a 3-point headrest
- Making scalp incisions and turning flaps, including use of Raney clips
- Drilling burr holes using a Hudson brace + different burs and perforators
- Use of a craniotome or high speed drill with realistic feedback
- Twist drill hole and ICP bolt placement
- Completing bone flaps using a Gigli saw and guide, craniotome or high speed drills
- Securing and opening the dura; dural suturing and closure + skin stapling
- Practising bone flap fixation techniques inc sutures, plates, screws, and meshes
- CT and MRI compatible, easily used with neuro-navigation systems
- Ultrasound version for U/S training*