

# Impact Report

Quarter 2 2022



Norfolk & Norwich  
Hospitals Charity

## Supporting the Anaesthetic Department with an Epidural Training Simulator

Context	Objectives	Inputs	Outputs	Outcomes	Impact
<p>Opportunities for trainee anaesthetists to practice epidurals placement during clinical placement have reduced.</p> <p>Studies have shown that up to 75 attempts may be needed to achieve proficiency (* Naik <i>et al</i>, (2003)), which can lead to adverse outcomes for patients</p>	<p>Provision of opportunities for teaching and acquiring ultrasound guided regional anaesthesia skills for Epidural and Spinal procedures in a safe and efficient manner.</p>	<p>£3,650</p>	<p>Purchase of one Genesis full system epidural training simulator. This models the lower back in silicone, cast around plastic anatomy and forming a facsimile of the human body.</p>	<p>Trainee anaesthetists able to practice and hone skills in a safe environment.</p> <p>Enables skills assessment of epidural and spinal procedures before actual patient exposure.</p> <p>A range of procedures can be performed including single shot spinal block and insertion of a spinal catheter.</p> <p>Experienced anaesthetists able to maintain their skills with practice.</p>	<p>Longer term benefits will include:</p> <ul style="list-style-type: none"> <li>• Improved skill levels of anaesthetists carrying out epidurals/spinals</li> <li>• Reduced adverse outcomes for patients</li> <li>• Patients undergoing epidurals providing improved feedback</li> </ul>



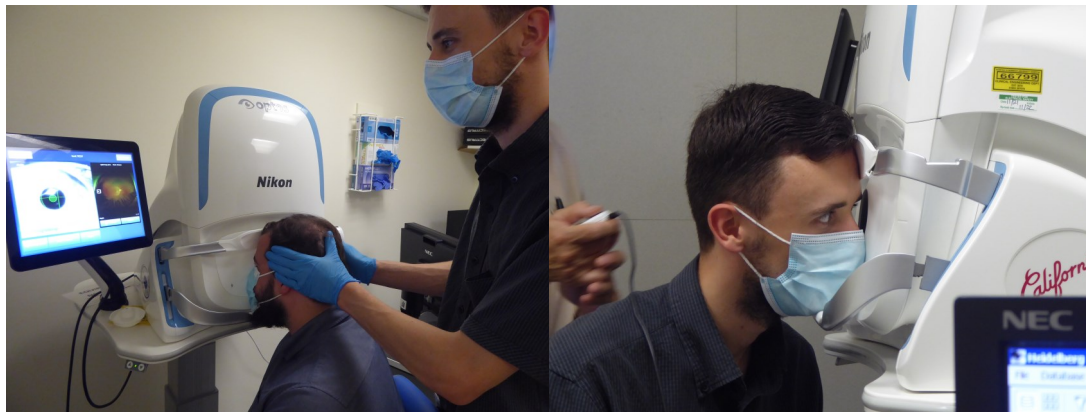
Dr Siddarth Adyanthaya, Lead Consultant for Obstetric Anaesthesia told us:

*“We are grateful to the N&N Hospitals Charity for helping us procure the Genesis Epidural-Spinal Injection Simulator. It is a valuable teaching and training tool that will help many Anaesthetists to practice and hone their skills in a safe environment and in the process, making the management of our patients safer and more efficient”*

The grant application also stated that an additional benefit will be the opportunity to assess any new pieces of equipment (spinal/epidural needles, catheters, fixation devices, etc) before their introduction in clinical practice.

## Providing new technologies to help save patients' sight

Context	Objectives	Inputs	Outputs	Outcomes	Impact
<p>Retinal cameras generally capture a smaller area of the eye, meaning that several shots had to be taken and stuck together to create a composite image.</p> <p>Ophthalmology Consultants needed to sketch what they could see with coloured pencils to represent parts of the eye.</p>	<p>Purchase of a wide field camera to allow improved eye imaging and monitoring by the Eye Department.</p>	<p>£90,945</p> <p>Funded by legacy gift from Mrs M D Sellick</p>	<p>2019 - Purchase of an OPTOS California with 200 degree field of view, capturing up to 82% of the retina in a single image</p>	<p>Ophthalmology consultants have improved ability to document retinal findings, enabling better monitoring for conditions that affect the back of the eye.</p> <p>Wide field fluorescein angiography now available, where dye is injected into a person's veins and images captured as the dye passes through the eye's blood vessels.</p>	<ul style="list-style-type: none"> <li>• In July a young patient had a widefield fluorescein angiography and it allowed diagnosis of a genetic disease previously unknown to the family.</li> <li>• The move to a virtual service during the Covid-19 pandemic was heavily reliant on imaging modalities. The OPTOS camera allowed virtual clinics to be held.</li> </ul>



Matt Schneiders, Ophthalmology Consultant told us:

*“I am delighted that we now have wide field imaging capabilities due to the purchase of the OPTOS camera in 2019. Wide field imaging is both fundamental and essential for a modern-day eye unit.”*

*“Virtual clinics have traditionally been thought to be unsuitable to the vitreoretinal subspecialty, due to the limited view of the peripheral retina, however due to this purchase we are setting up a clinic, which allows patients to have the option of an imaging only attendance at hospital, which is then followed up with a telephone consultation.”*

*“We really appreciate the support from N&N Hospitals Charity”*

**N&N**

Norfolk & Norwich  
Hospitals Charity

Registered Charity no. 1048170

[www.nnhospitalscharity.org.uk](http://www.nnhospitalscharity.org.uk)

[charity@nnuh.nhs.uk](mailto:charity@nnuh.nhs.uk)

@nnhospcharity

01603 287107