



REGIONAL ANAESTHETIC ALERT BRACELET

Using audiovisual media as an educational tool

A Bunce¹, A Banks¹, P Kozłowska², R Mathers³

¹Nottingham University Hospitals NHS Trust, ²Nottingham Trent University, ³Southern Health and Social Care Trust



INTRODUCTION

- The 2020 guideline published by the Association of Anaesthetists and Obstetric Anaesthetists' Association highlights the importance of monitoring recovery following an obstetric central neuraxial block (CNB) (1).
- This led to the development of the Regional Anaesthetic Alert Bracelet (RA-AB), which is now used in all maternity units in Northern Ireland and several other Trusts in the UK (2).
- The RA-AB provides a patient-specific four hour time at which they should be able to straight leg raise, which allows early identification of a possible neurological complication.
- As this is a patient-led safety initiative, good education is key to its success.
- Our aim was to create a patient information video, that could be accessed via a QR code and viewed on a mobile phone, to aid understanding of the RA-AB initiative.

METHODS

- We worked with a group of animation students at Nottingham Trent University to produce our patient information video.
- Based on our brief, the team created a story board which was then developed into the animation.
- Key considerations were audience, style, language and colour scheme.
- We have tried to portray the clinical environment in an accurate and realistic manner.
- We have used subtitles to convey key information as they can easily be translated into other languages and are not lost in a noisy clinical environment.

SCAN HERE TO WATCH
THE ANIMATION

RESULTS

- We have produced an informative and engaging animation to explain how the RA-AB is used within obstetrics to monitor recovery following a CNB.
- Early patient feedback is overwhelmingly positive.

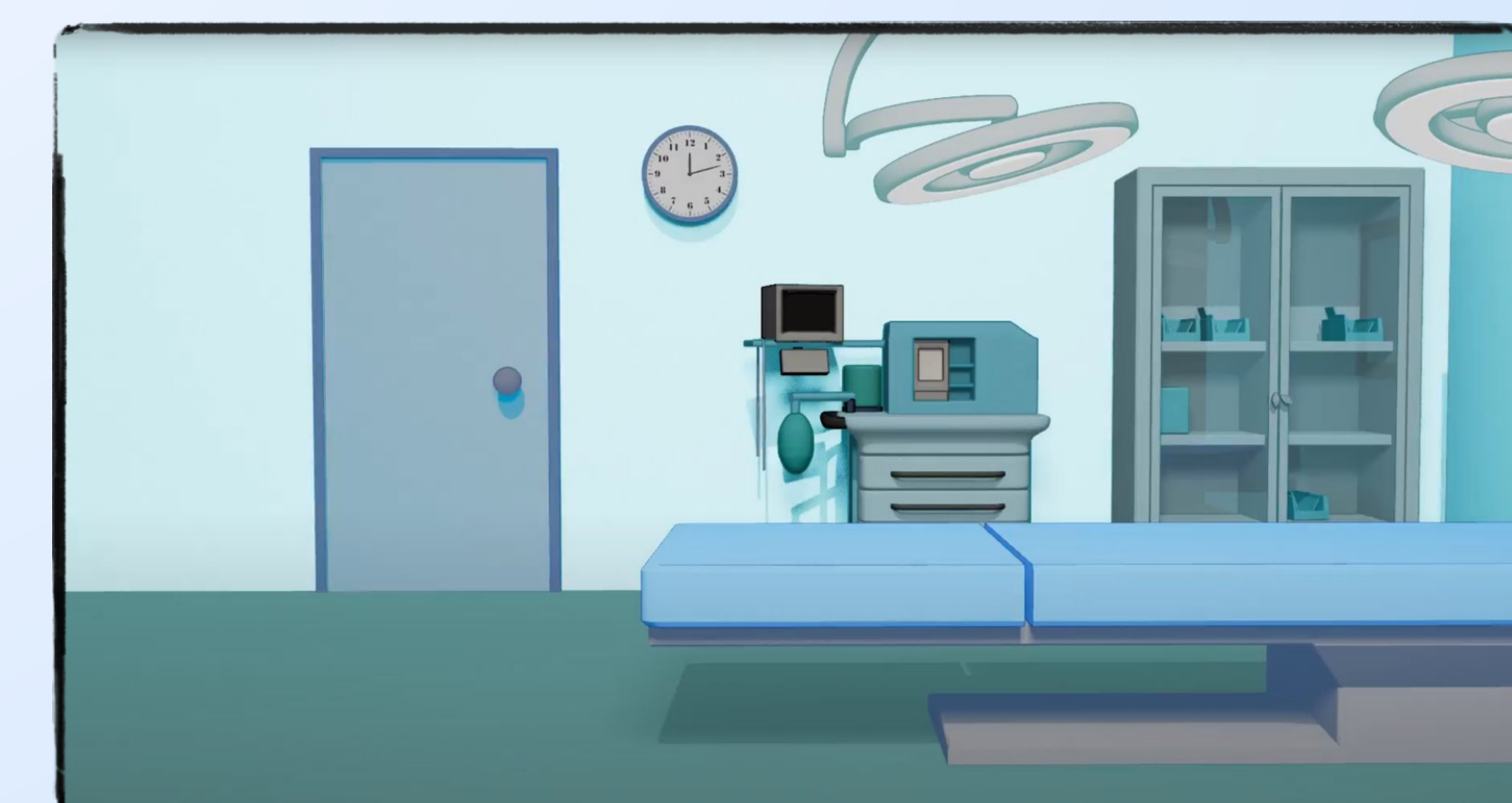
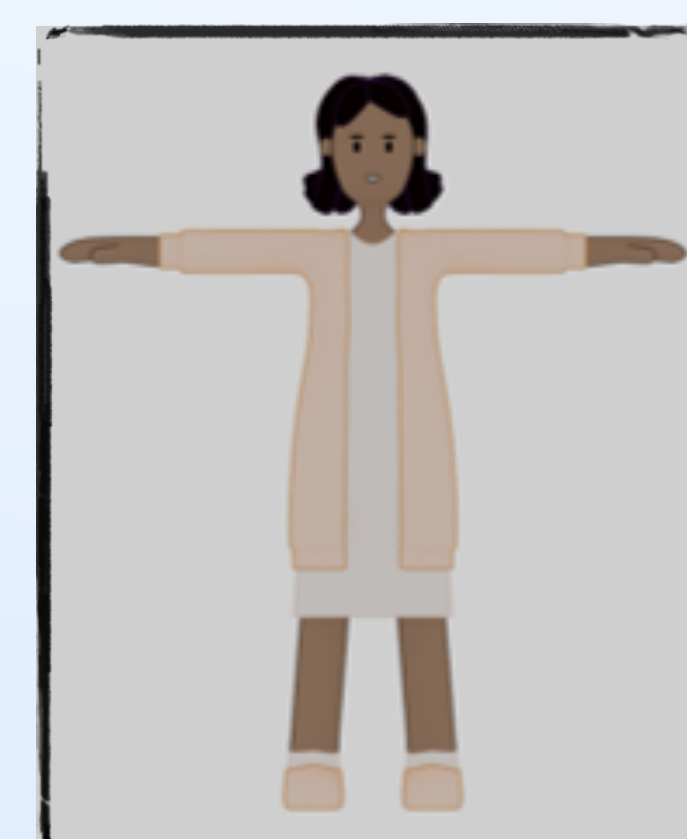
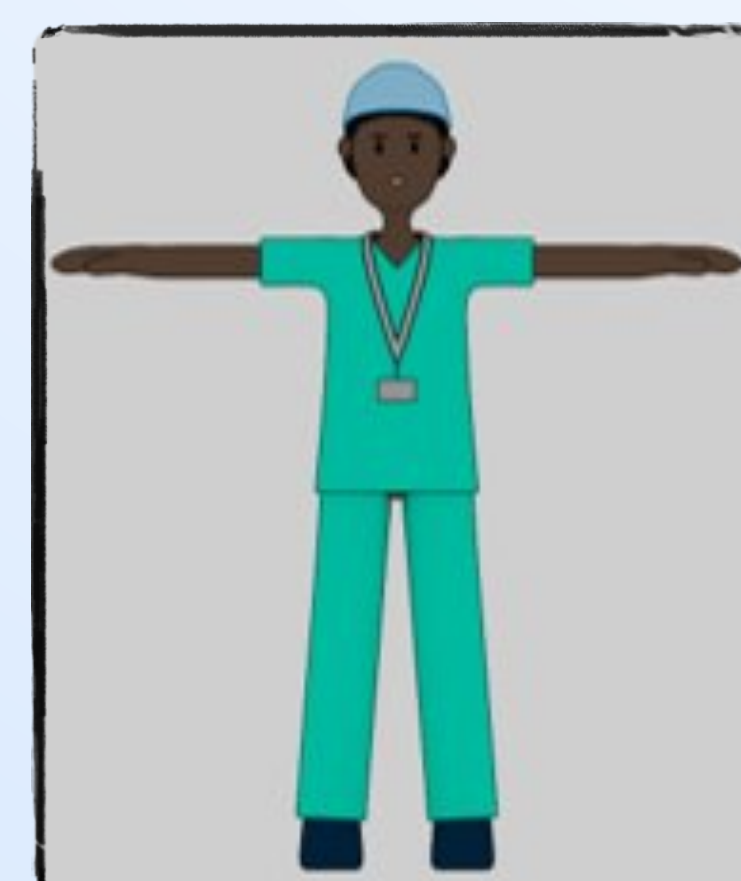
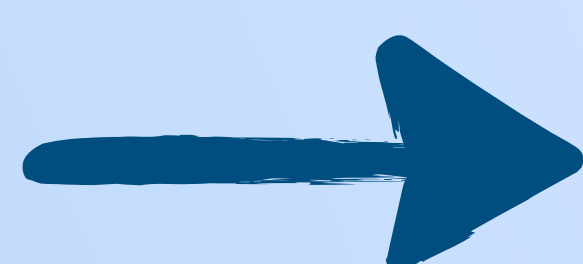
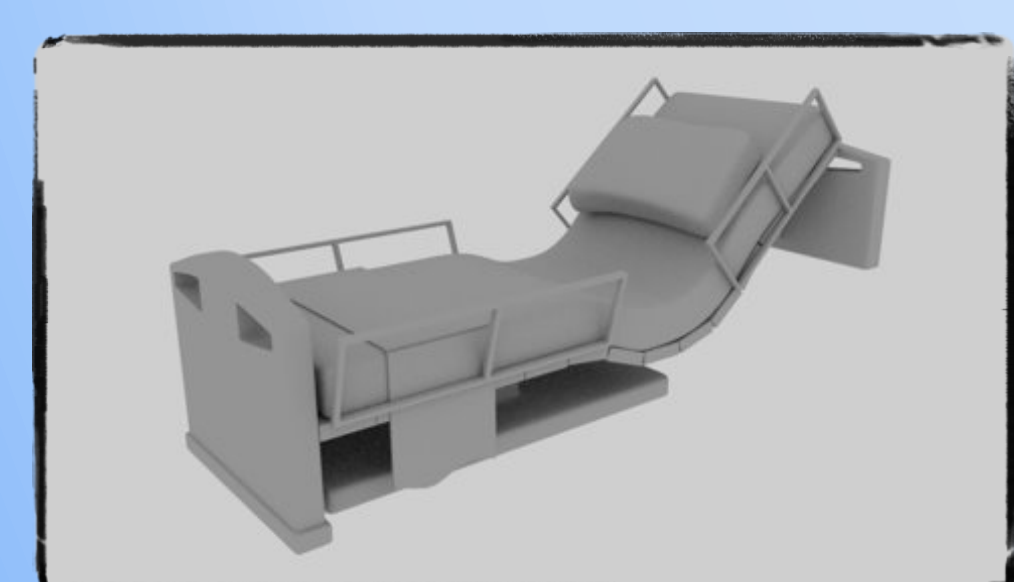
“A wonderful patient
safety message”

“Super easy to
understand”

“Really clear
way to explain about
heavy legs after a spinal
and the point of the
bracelet”

DISCUSSION

- It is really exciting to see the positive role that technology can play in patient care and how audiovisual media can be used to enhance initiatives within the NHS.
- We plan to audit the effectiveness of the animation locally, prior to rolling it out on a national level.
- We hope to translate the subtitles into other common languages.



REFERENCES

1. Yentis SM, Lucas DN, Brigant L, et al. Safety guideline: neurological monitoring associated with obstetric neuraxial block 2020: a joint guideline by the Association of Anaesthetists and the Obstetric Anaesthetists' Association. Anaesthesia, 2020; 75:913-9
2. Mathers R. Letter to the editor: Regional anaesthetic alert bracelet. Anaesthesia News, 2022; 414:28