

Development of a post-partum neuropraxia pathway with a novel patient-initiated follow-up route

Lydia Fletcher, Mysoon Alabdah, Tabitha Tanqueray, James Waiting. Anaesthetic Department, Homerton University Hospital

Introduction

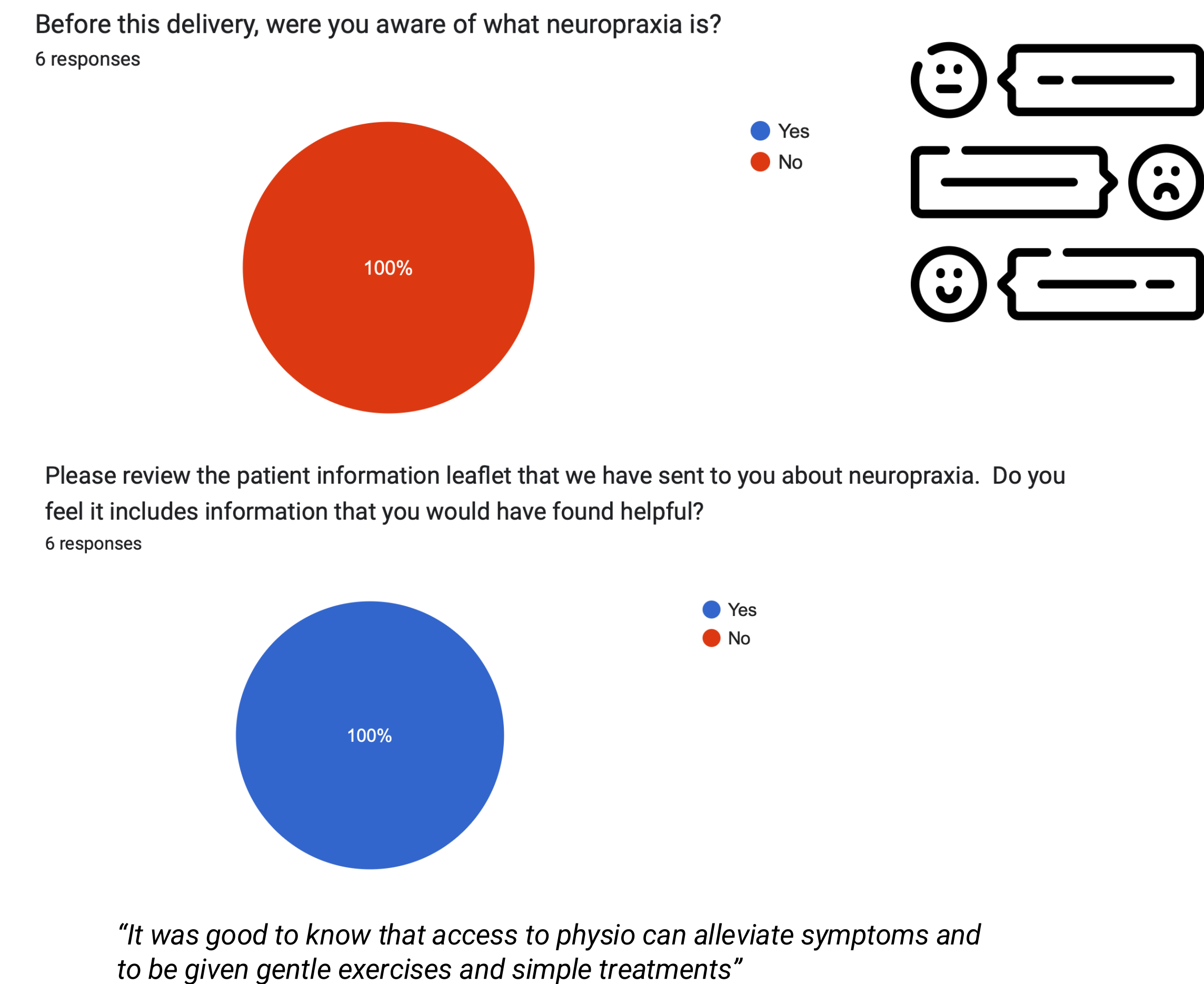
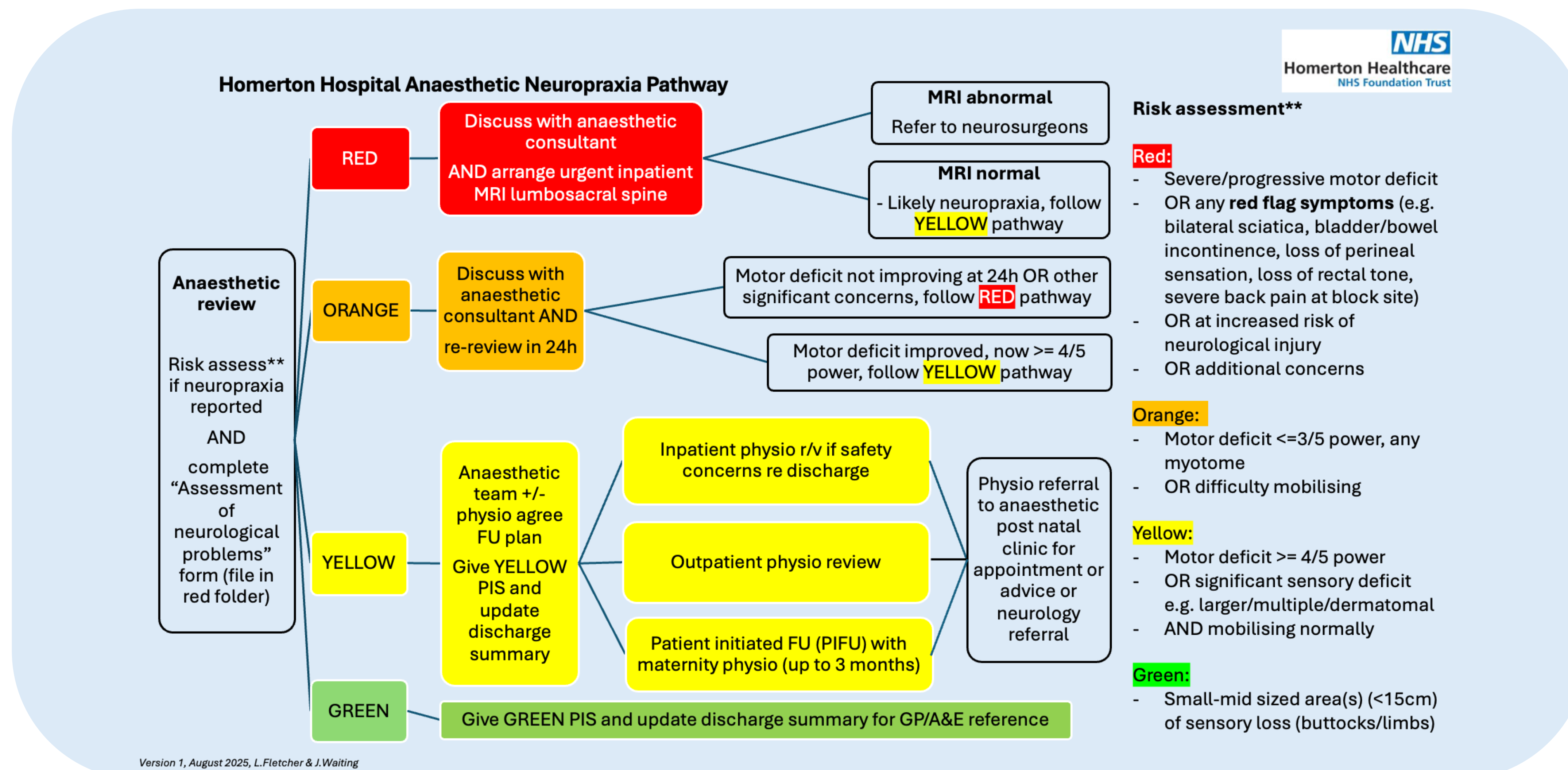
Whilst up to two percent of obstetric patients experience postpartum neuropraxia [1], review of local management identified wide variation in assessment, limited awareness of non-anaesthetic causes, inconsistent involvement of physiotherapy and neurology, and lack of structured follow-up. Inadequate management contributed to a fracture in one patient, highlighting the need for a standardised pathway.

Methods

A neuropraxia pathway was co-developed following process mapping with physiotherapy, neurology and improvement teams. Patient information was developed, and teaching delivered to the maternity multidisciplinary team to improve recognition, escalation and management. Post-implementation, patients were interviewed to explore their experience of care and information provision.

Results

- Our pathway stratifies patients by risk according to symptoms and examination findings (figure 1). High-risk patients receive urgent review and MRI imaging where indicated.
- Follow-up options include inpatient physiotherapy, planned outpatient physiotherapy, or patient-initiated physiotherapy referral up to three months post-discharge. Direct referral to the anaesthetic postnatal and neurology clinic is available.
- Patient information was developed covering aetiology, prognosis, safety-netting, self-management and follow-up.
- Patient feedback was highly positive regarding anaesthetic input and clarity of information, but highlighted opportunities to improve postnatal midwifery awareness and escalation. Patients requested additional information on recovery trajectories, timing for physiotherapy contact and safety of future regional anaesthesia.



Discussion

The pathway has been widely disseminated across maternity and is now embedded in routine practice. Patient feedback indicates a significant positive impact on quality of care and will inform ongoing refinement of the pathway, patient information and staff training. The pathway is readily transferable to other units.

References

- [1] Harper R, Eckford S, Williams H et al. Obstetric neurological injuries. The Obstetrician & Gynaecologist. 2020; 22: 305–312