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87 THE ERECTOR SPINAE PLANE BLOCK (ESPB) IN INTERMITTENT DOSES FOR VIDEO ASSISTED THORACOSCOPIC SURGERY (VATS)

F Longo*, E Tomaselli, M Martuscelli, A Riccetti. *Campus Bio-Medico University Hospital, Rome, Italy*

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Background and Aims VATS has become the first treatment for patients undergoing lobectomy. Recent reports showed that ESPB improved postoperative analgesia after VATS.

ESPB is a technique introduced by Forero et al. Local anesthetic is injected between the erector spinae muscle and transverse process. Recent studies regarding the use of boluses for an ESPB catheter suggested that some patients do better with mandatory boluses than continuous infusions.

We report the use of the ESPB in intermittent boluses in a 69yrs man, with important comorbidities that underwent upper right pulmonary VATS lobectomy.

Methods After induction of general anesthesia, the patient was placed in lateral position and a linear-array transducer was placed in longitudinal orientation. After local anesthesia, an ESPB at T5 level is performed using an 18G Tuohy needle. After a bolus of 20 ml of ropivacaine 0.5%, a perineural catheter was placed, 6 cm beyond the needle tip (figure 1). After the surgery, a bolus of ropivacaine 0.2% (10 ml) was administered and subsequently boluses of 20 ml of ropivacaine 0.2% were administered every 8 hours up to 48 hours after surgery. **Results** NRS pain score decreased immediately after every bolus. The patient performed successful respiratory rehabilitation. The length of hospital stay was reduced, and the patient reported comfort and satisfaction.

Conclusions The ESPB in intermittent boluses had no side effects and allowed a reduction in the consumption of opioids and therefore of post-operative nausea and vomiting. It could be an alternative to epidural anesthesia or Serratus Anterior Plane Block.

88 COVID AND THE BRI: A HIP FRACTURE STORY

^{1,2}E Hennebry*, ^{1,2}E Court, ¹A Bartlett, ¹S Dennis. ¹University Hospitals Bristol, Bristol, UK; ²University of Bristol, Bristol, UK

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Background and Aims The COVID-19 pandemic has had huge implications on healthcare; we aimed to quantify the impact hip fracture provision at the Bristol Royal Infirmary.

Methods We undertook an interrupted time series analysis across four months, representing pre-COVID-19, the first wave, the second wave, and now. We compared the following factors: number of #NOF cases, delays to theatre, delays due to lack of theatre capacity, and length of stay. We also looked at interruptions to patient care, including ward changes and the closure of Weston General.

Results With patients in lockdown, number of #NOF were expected to reduce; there was no evidence for this.

During the first wave, the average length of stay was 11.1 days, compared to 26.0 days pre-COVID-19 (p-value 0.0016). Now, though lengths of stay are gradually increasing, they are still significantly shorter than pre-COVID-19, with an average of 17.1 days (p-value 0.04). The number of patient delays did not significantly change.

Additionally, Weston General closing increased both case numbers and delays to theatre, with cases rising from 14 to 26 (+85.7%) and delays to theatre from 5 to 17 (+240%).

Conclusions Patient stays are still shorter than pre-pandemic; whether this is a valuable lasting change will be evident in the coming months. Weston General becoming COVID-only put strains on the capacity of the BRI, demonstrated by the increased caseload and resulting theatre delays.

Several patients were significantly delayed without a medical reason: some for up to a week, despite being listed repeatedly. Prioritisation of theatre lists needs to be reviewed.