

LKS Current Awareness Bulletin

Anaesthetics Oct - Dec 2019

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I hope this bulletin is useful. We are keen to promote our services at your team meetings/huddles. If you feel that this would be useful, then please contact me to arrange a brief induction to how we can support you in education and training, researching for information, literature support, critical appraisal skills, free article requests, social media training (learn to Tweet!) and much much more. Kind regards

Abbas

Abbas Bismillah, Head of Library and Knowledge Services

Email abbas.bismillah@elht.nhs.uk 01254 784308 (Ext: 84308)

In the News

[Yeovil Hospital agrees patient not properly anaesthetised –](#)

10 December 2019

Source: BBC News

[Over half of anaesthetists have nowhere to rest during or after a shift, survey finds](#)

Published 19 November 2018

Source: BMJ

News from the Royal College



[Latest RCoA Bulletin](#)

[700 lives saved and more patients heading home sooner after emergency bowel surgery](#)

Published: 13/12/2019

Research led by the Royal College of Anaesthetists (RCoA) around improvements in the care of over 24,000 patients before, during and after emergency bowel surgery has shown enhanced patient care to have reduced the average hospital stay from 19.2 days in 2013 to 16 days in 2018, saving the NHS £34 million annually.

[Views from the frontline of Anaesthesia - supporting the development of the People Plan](#)

Published: 19/11/2019

[RCoA supports NHS Paediatric critical care and surgery in children review report](#)

Published: 11/11/2019

NHS England and NHS Improvement have published their summary report on the [Paediatric critical care and surgery in children review.](#)



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A national survey of out-of-hours working and fatigue in consultants in anaesthesia and paediatric intensive care in the UK and Ireland.

Author(s): McClelland, L; Plunkett, E; McCrossan, R; Ferguson, K; Fraser, J; Gildersleve, C; Holland, J; Lomas, J P; Redfern, N; Pandit, J J

Source: Anaesthesia; Dec 2019; vol. 74 (no. 12); p. 1509-1523

Available at [Anaesthesia](#) - from Wiley Online Library Medicine and Nursing Collection 2019 - NHS

Abstract: The tragic death of an anaesthetic trainee driving home after a series of night shifts prompted a national survey of fatigue in trainee anaesthetists. This indicated that fatigue was widespread, with significant impact on trainees' health and well-being. Consultants deliver an increasing proportion of patient care resulting in long periods of continuous daytime duty and overnight on-call work, so we wished to investigate their experience of out-of-hours working and the causes and impact of work-related fatigue.

Database: Medline

Routine management of postoperative delirium outside the ICU: Results of an international survey among anaesthesiologists.

Author(s): Bilotta, Federico; Weiss, Bjoern; Neuner, Bruno; Kramer, Sylvia; Aldecoa, César; Bettelli, Gabriella; Sanders, Robert D; Delp, Simon M; Spies, Claudia D

Source: Acta anaesthesiologica Scandinavica; Dec 2019

Available at [Acta anaesthesiologica Scandinavica](#) - from Wiley Online Library Medicine and Nursing Collection 2019 - NHS

Abstract: Postoperative delirium (POD) is a severe brain dysfunction. Although data indicate a high relevance, no survey has investigated the routine practice to monitor delirium outside the ICU setting after surgery.

Database: Medline

Deep anaesthesia and postoperative death: Is the matter resolved?

Author(s): Charier, David; Longrois, Dan; Chapelle, Celine; Salaün, Jean Philippe; Molliex, Serge

Source: Anaesthesia, critical care & pain medicine; Dec 2019

Database: Medline

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Dexmedetomidine Infusion Overdose during Anaesthesia: A Case Report.

Author(s): Li, Christine; Clifford, Michael

Source: Paediatric anaesthesia; Dec 2019

Available at [Paediatric anaesthesia](#) - from Wiley Online Library Medicine and Nursing Collection 2019 - NHS

Abstract: A 12 kg infant was given intravenous dexmedetomidine 0.2 µg.kg⁻¹ .min⁻¹ as an adjunct for general anaesthesia. The 60-fold increase in dexmedetomidine infusion rate caused a biphasic response with initial hypertension followed by bradycardia and hypotension requiring inotropic support. No postoperative or long-term sequelae were noted. Dexmedetomidine infusion is usually delivered as µg.kg⁻¹ .h⁻¹ .

Database: Medline

Qualitative exploration of women's experiences of intramuscular pethidine or remifentanyl patient-controlled analgesia for labour pain.

Author(s): Moran, Victoria Hall; Thomson, Gillian; Cook, Julie; Storey, Hannah; Beeson, Leanne; MacArthur, Christine; Wilson, Matthew

Source: BMJ open; Dec 2019; vol. 9 (no. 12); p. e032203

Available at [BMJ open](#) - from Europe PubMed Central - Open Access

Abstract: OBJECTIVES To explore women's experiences of remifentanyl or pethidine for labour pain and infant feeding behaviours at 6weeks post partum.

Database: Medline

A randomised controlled trial of shoulder block vs. interscalene brachial plexus block for ventilatory function after shoulder arthroscopy.

Author(s): Rhyner, P; Kirkham, K; Hirotsu, C; Farron, A; Albrecht, E

Source: Anaesthesia; Dec 2019

Available at [Anaesthesia](#) - from Wiley Online Library Medicine and Nursing Collection 2019 - NHS

Abstract: The shoulder block may impair ventilatory function and diaphragmatic movement less than the interscalene brachial plexus block. We randomly allocated 30 adults who underwent shoulder arthroscopy under general anaesthesia to ultrasound-guided shoulder block or interscalene block with 20 ml bupivacaine 0.5%.

Database: Medline

1 + 1 = 4? Balanced anaesthesia: A sum that is greater than its parts.

Author(s): Zhou, Yingqiu; Roth, David M.; Patel, Hemal H.; Qiu Zhou, Ying

Source: British Journal of Pharmacology; Dec 2019; vol. 176 (no. 24); p. 4785-4786

Publication Date: Dec 2019

Available at [British journal of pharmacology](#) - from Wiley Online Library Medicine and Nursing Collection 2019 - NHS

Database: CINAHL

Stress, burnout, depression and work satisfaction among UK anaesthetic trainees; a quantitative analysis of the Satisfaction and Wellbeing in Anaesthetic Training study

Author(s): A. Looseley E. Wainwright T.M. Cook V. Bell S. Hoskins M. O'Connor G. Taylor R. Mouton for the SWeAT Study investigator group

Source: Anaesthesia; Oct. 2019; Vol 74 p 1231–1239 First Published: 15 May 2019

Available at <https://onlinelibrary.wiley.com/doi/10.1111/anae.14681>

There is growing evidence that anaesthetic trainee's experience, and may be particularly susceptible to, high levels of work stress, burnout and depression. This is concern for the safety and wellbeing of these doctors and for the patients they treat.

Pain inhibitory mechanisms and response to weak analgesics in patients with knee osteoarthritis

Author(s): Kristian Kjær Petersen Ole Simonsen Anne Estrup Olesen Carsten Dahl Mørch Lars Arendt-Nielsen

Source: European Journal of Pain; Volume23, Issue10; November 2019; p 1904-1912

Available at <https://onlinelibrary.wiley.com/doi/10.1002/ejp.1465>

Conditioned pain modulation (CPM) and offset analgesia are different features of descending pain inhibition. This study investigated CPM, offset analgesia and clinical pain measures in patients with knee osteoarthritis (KOA) before and after treatment with the combination of a non-steroidal anti-inflammatory drug (NSAIDs) plus acetaminophen.

Post-discharge impact and cost-consequence analysis of prehabilitation in high-risk patients undergoing major abdominal surgery: secondary results from a randomised controlled trial

Author(s): A. Barberan-Garcia, M. Ubre, N. Pascual-Argente, R. Risco et al.

Source: British Journal of Anaesthesia; Oct 2019; Vol 123; Issue 4, p450–456

Prehabilitation may reduce postoperative complications, but sustainability of its health benefits and impact on costs needs further evaluation. Our aim was to assess the midterm clinical impact and costs from a hospital perspective of an endurance-exercise-training-based prehabilitation programme in high-risk patients undergoing major digestive surgery.

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<https://www.cochranelibrary.com/>

[Pharmacological interventions for painful sickle cell vaso-occlusive crises in adults](#)

Tess E Cooper, Ian R Hambleton, Samir K Ballas, Brydee A Cashmore, Philip J Wiffen

Review - 19 November 2019

[Transient neurological symptoms \(TNS\) following spinal anaesthesia with lidocaine versus other local anaesthetics in adult surgical patients: a network meta-analysis](#)

Patrice Forget, Josip A Borovac, Elizabeth M Thackeray, Nathan L Pace

Review - 1 December 2019

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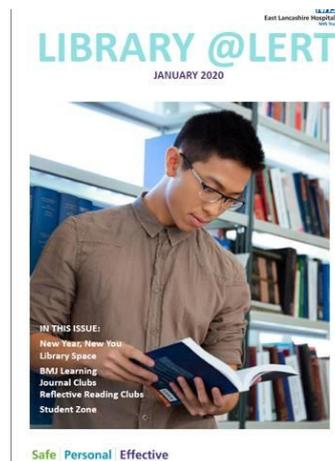
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