WINTER NEWSLETTER

British Society of Orthopaedic Anaesthetists, December 2020





Dear BSOA Members

"Then the Grinch thought of something he hadn't before! What if Christmas, he thought, doesn't come from a store. What if Christmas...perhaps...means a little bit more!"

- Dr Seuss, How the Grinch Stole Christmas!

In our worst nightmares, I doubt we could have foreseen the possibility of a Christmas being stolen in our lifetimes. 2020 will always be come to known as the year Covid affected humanity. The way the flu pandemic of 1919 affected the world then (compounded by the 1st world war losses). Or indeed 100 years prior to that in 1818, when the first Asiatic cholera pandemic, the Ottoman Plague epidemic and the Ireland Typus epidemic overlapped in timeline in their respective parts of the world.

The superstitious may find meaning in the repeated double digits. However, the interesting element is that fact that at all those times in history, the pandemics have been associated with xenophobic or race riots. Whilst epidemics are thought to bring people together at the start; blame, racial tension and violence seem inevitable.

All we have left is hope. Hope in a better tomorrow, hope that the vaccines will work. And finally hope that if we or our loved ones do get afflicted by covid-19, it passes uneventfully.

Many of us have lost loved ones and unfortunately many still may. We, the BSOA send our condolences as we reflect on the year that has passed and our collective losses.

As we look forward to a new year, we welcome the fresh challenges of improving our educational activities, newsletter and planning our next meeting in November 2021. Our newsletter will contain a *necessary financial advice column* and will gradually increase its breath towards cases of interest and letters to the editor. We aim to support research to the tune of £10000 via the NIAA in 2021/2022.

We have successfully had 3 webinars with reasonable attendance in 2020. These have been provided free for members. The quality of registrar prize presentations was extremely high. The presentations and posters are available on the website for your perusal. We will continue to support our duty with the medical supplies for The Holy Spirit Hospital in Sierra Leone.

Whilst we are somewhat physically subdued this Christmas, we do not need to be so both mentally and emotionally. Wishing you all, the best possible Christmas and a splendidly positive new year.

Very best wishes



Dr EJ da Silva President of the BSOA



BSOA VIRTUAL EVENTS SERIES



Following the cancellation of this year's ASM which was due to take place in Oxford, the BSOA committee hopes that you enjoyed the Virtual Event Series which took place as a series of virtual lectures, Q&A sessions and free papers between September – November 2020.

The episodes were a great success with a brilliant line-up of faculty, thought-provoking Q&A discussions and a fantastic trainee prize presentation to conclude.

As a perk for all members, the BSOA are proud to announce that the lectures from all three instalments of the series are now available to view online!

To access the presentations, please visit <u>https://bsoavirtual.talkingslideshd.com/</u>, register your details and enter the following registration codes to access the content:

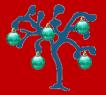
- Orthopaedic Anaesthesia in the COVID Era Part 1 VirtualBSOASEPT
- Orthopaedic Anaesthesia in the COVID Era Part 2 VirtualBSOAOCT
- Third Virtual Event + Trainee Prize Presentation VirtualBSOANOV

Please note that if you registered to attend the events, you will need to use the username and password supplied to you by Nick Gray before the webinars. If you have any problems accessing the lectures, please do not hesitate to contact Lucy at <u>lucyparkinson@eventmanagementdirect.co.uk</u>

We hope that the Virtual Event Series went some way towards compensating for our absence of an ASM and we look forward to revealing our plans for 2021 soon.

Thank you for all your interest in the BSOA Virtual Event Series over the past three months.

Wishing you all a better year in 2021.



Tax Advice for Doctors by Andrew Fenton CTA ATT IIT (Dip), AF Tax Solutions Ltd

Can I claim tax relief when I attend a conference overseas?

Many medical consultants attend educational courses/Study tours overseas so a question often asked by doctors is: Can I claim for my travel costs etc for attendance of training courses?

There isn't one clear-cut answer as some Doctors treat the visit purely as business, travelling solely to attend the seminar and then retreat home, whilst others combine the trip with the opportunity to travel or extend the time abroad as a holiday.

HMRC's view on obtaining a tax deduction for overseas conferences is as follows:

Expenditure incurred in attending overseas conferences and study tours is allowable only when incurred wholly and exclusively for the purposes of the trade of the trader claiming the expense as a deduction. Thus, if there is a recreational element, evidence of which is often apparent from the fact that the trader is accompanied by a spouse, civil partner or a close relative, there is an argument that the whole cost is disallowable.

However, HMRC do say that "where there is a clearly identifiable business element (and cost) HMRC will allow the identifiable business element of the expenditure on the grounds that that part is exclusively for business purposes.

The rules concerning the deduction of overseas travel can be complex and are often scrutinised by HMRC so professional advice is always recommended.

Trivial Benefits

Turkey on the Taxman!

As the festive season is fast approaching business owners may be thinking of ways to reward staff for their hard work.

HMRC is not known for its generosity when it comes to allowing tax free benefits, so medical professionals should welcome the following exemptions.

To recap the basic rule is that an employer can now provide trivial benefits such as a bunch of flowers, box of chocolates, a meal out, without any tax or national insurance for either the employer or employee.

The employer will also be entitled to claim income tax or corporation tax relief on the cost.

There are key conditions:

- The trivial benefit must cost no more than £50 (including VAT)
- The benefit must not be cash or a cash voucher
- The benefit must not be a reward for services or in any way contractual

Directors of close companies (broadly 5 or fewer shareholders) can receive trivial benefits up to \pounds 300 in a tax year. So, for a limited company that has 2 directors (i.e. husband and wife) the total exempt amount would be \pounds 600 (subject to the cap of \pounds 50 for each single purchase).

Examples (from HMRC guidance)

Company M provides one of its directors with a bottle of wine on her birthday. It also provides a bottle of wine to the director's husband who is an employee of company M. Each bottle of wine cost £20. The £20 cost of each bottle counts towards the director's and the employee's personal annual exempt amounts.

Company L provides a director and the director's daughter with a turkey each at Christmas. Each turkey costs £30. The daughter is not an employee or office holder of company L. The total cost of £60 counts towards the director's annual exempt amount.

Capital Gains Tax ("CGT")

Important changes to the deadlines for filing and paying CGT on the disposal of UK property

The deadlines for filing and paying CGT arising on the disposal of an interest in a UK property changed from 6 April 2020.

These changes apply to both UK residents and non-UK residents. These changes don't apply if the residential property has been used solely as the owner's private residence during the time it was owned. From 6 April 2020, a UK resident disposing of a residential property in the UK making a gain which is liable to CGT will have 30 calendar days from the date of completion to tell HMRC and pay any CGT owed.

They will be able to do this using a new online service.

Transactions completed from 1 July 2020 onwards will receive a late filing penalty if they are not reported within 30 calendar days. Interest will accrue if the tax remains unpaid after 30 days.

Time to Pay Arrangements

The financial implications of the Coronavirus pandemic continue to affect individuals and businesses, many of whom find themselves seeking support in ways they've never had to consider before.

The government launched a well-publicised series of support measures in response to the Covid-19 crisis, including the Coronavirus Job Retention Scheme and the Self-Employment Income Support Scheme.

However, HMRC is also seeing increased demand for a pre-existing support option for those struggling to pay their tax – the Time to Pay arrangement, frequently abbreviated to TTP.

TTP arrangements can cover any amount owed to HMRC that has become overdue. There is no standard length or amount as each is specific to individual circumstances and completely bespoke, created on a case-by-case basis. Many doctors may have deferred their Self-Assessment payment on account in July 2020 and HMRC have confirmed that no interest or a penalty will be charged as long payment in full is made by 31 January 2021.

Doctors who cannot pay their Self-Assessment tax liabilities in full can pay their tax by instalments.

You can set up a payment plan to spread the cost of your latest Self-Assessment bill if:

- you owe £30,000 or less
- you do not have any other payment plans or debts with HMRC
- your Tax Returns are up to date
- it's less than 60 days after the payment deadline

An instalment plan can be set up by online or by calling the Self-Assessment Payment Helpline on 0300 200 3822.

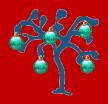
For further information or to discuss your tax affairs please contact Andrew Fenton (AF Tax Solutions Ltd) on 07775 503475 or email andrew@aftax.co.uk.

Andrew is a Chartered Tax Adviser (and a former Inspector of Taxes with HMRC) and has many years of experience in dealing with the tax affairs of medical professionals

BSOA MEMBER BENEFITS

- ✓ Reduced registration fees for BSOA meetings
- ✓ Access to free webinars
- ✓ BSOA e-newsletters and the opportunity to publish articles in future issues
- ✓ Participation and voting rights at upcoming Executive Committee elections as well as eligibility to nominate and be nominated to the Executive Committee
- ✓ Participation and voting rights at the Annual General Meeting
- Access to the members-only area on our website including: Documents Library to search documents and Member Forum to join discussions and/or search topics

BECOME A MEMBER AT WWW.BSOA.ORG.UK/MEMBERSHIP



Poster and Oral Presentations 2020!

Thank you to all who submitted a poster or oral abstract to the BSOA Virtual Event Series 2020. Please find below the winning entries:

First Place Oral: Rib fracture management in a Major Trauma Centre –a research & quality improvement project

C. Twohig, B. Ikponmwosa, N. Solanki, S. Funnell, and R. Bloomer Kings College Hospital, London

Rib fractures are common following blunt thoracic trauma and are associated with high morbidity and mortality. Respiratory complications, including pneumonia, may occur in up to thirty percent of patients [1]. Providing adequate analgesia is key in the management of patients with rib fractures. A tour institution, it was observed that significant delays were occurring in patients receiving adequate analgesia, especially regional analgesia. Our aim was to quantify and investigate the delay in regional analgesia, and, through a rib fracture care bundle, improve the management of this group of patients.

Methods: Data was collected at our institution, a London Major Trauma Centre (MTC)over three months in June-Aug 2019. All patients admitted to the MTC with new, radiologically confirmed, rib fractures were included. Patients whose inpatient admission was <24 hours, and those with incomplete Injury Severity Scores (ISS) were excluded. Demographics, injury and ISS, length of inpatient stay (LOS), operator, type, and time to regional anaesthesia were collected. Suitability of the referral was retrospectively analysed by the project authors. Patients were categorised into four standardized ISS groups (1-8, 9-15, 16-24, 25-49) [2]. Statistical analysis was undertaken on SPSS (IBM Corp.)Following data collection and analysis, a comprehensive rib fracture care bundle was developed (including a new trust guideline, micro-teaching sessions, electronic order sets and observation sheets, and a patient information leaflet), covering the assessment and management of these patients from presentation in the emergency department through their inpatient stay and post-discharge.

Results: A total of 67 patients were included. Median age was 56years (IQR 21) (79.1% male). Median ISS was 17with the modal group being ISS 9-15. Median LOS was 13.78 days. Thirty-four (50.7%) patients were referred for regional anaesthesia, with all requests deemed appropriate. A total of 19 blocks were performed: 13 erector spinae, 2 serratus anterior, 2 thoracic epidural, and 1 suprascapular (1 block type unknown). All but one block were catheter insertions. Twelve blocks were performed by registrars and three sited by consultants (3 unknown grade). Mean time from admission to block was 52.8 hours (SD 39.3). Mean LOS for patients who received blocks was 16.0 days (95% CI 12.1-22.9) versus 17.5 days(95% CI 12.2-19.7) for those who did not. When LOS was adjusted for ISS, patients who received blocks in the 16-24) &25-49 group had a shorter length of stay compared to those that did not (15.0 vs 18.7 days & 21.3 vs 29.3 days respectively).

References:

- 1. May L, Hillerman C et al. Rib fracture management. BJA. 2016; 16(1), 26-32
- 2. Candefjord, S., Asker, L. & Caragounis, E. Mortality of trauma patients treated at trauma centers compared to non-trauma centers in Sweden: a retrospective study. Eur J Trauma Emerg Surg (2020)

Runner Up Oral: Prilocaine spinal anaesthesia for ambulatory orthopaedic surgery – case series of prilocaine use for total hip arthroplasty in a tertiary orthopaedic hospital

McMahon O, Higham H, Holman L

Oxford University Hospitals NHS Foundation Trust

Background: Increasing demand for ambulatory surgery has stimulated debate regarding the ideal anaesthetic technique facilitate safe early mobilisation. Studies demonstrate to general anaesthesia (GA) for total hip arthroplasty is associated with increased rates of adverse events and operating times [1]. However. spinal anaesthesia (SA) with marginally lonaer long-acting local anaesthetics such as bupivacaine, may delay mobilisation due to prolonged motor block. This case series examines the use of prilocaine for SA in total hip arthroplasty.

Case series: We analysed 2% hyperbaric prilocaine use for SA in a series of 25 total hip arthroplasty cases in a tertiary orthopaedic hospital. We recorded the dose administered and time from intrathecal injection to 1st report of pain and to initial patient leg movement. Complicating factors and requirement for intravenous opiate administration were also documented. The median dose of prilocaine administered was 68mg (60mg-80mg). Median time to pain was 121mins (35–220mins) and to leg movement was 136mins (35–232mins). Intravenous opiate was required for analgesia during skin closure in 5 cases (20%) and one case required conversion to GA (4%).

Discussion: Key requirements for ambulatory surgery include a rapid onset and offset of anaesthesia, rapid recovery of protective reflexes, mobility and micturition, and good control of pain and nausea post-operatively [2]. Intrathecal prilocaine is licensed in the UK for use in SA for "short term surgical procedures". NICE guidelines for intrathecal injection recommend 40–60 mg (maximum dose 80 mg). Dosing in this case series was consistently at the upper limit, however never exceeded the maximum dose and no complications associated with high doses were seen. Appropriate patient selection for this technique is paramount, being guided by complexity of operation, surgical skill and anaesthetic factors as GA conversion in a lateral position may be challenging.

Learning points: In this case series, median time to leg movement for prilocaine is short compared with bupivacaine, potentially facilitating early post-operative mobilisation. Prilocaine SA may provide an alternative approach for those not previously considered for ambulatory surgery due to co-morbidities.

References:

- 1. Bryce A et al. General Compared with Spinal Anesthesia for Total Hip Arthroplasty. *J Bone Joint Surg Am.* (2015) 97:455-61
- 2. Rattenberry W et al. Spinal anaesthesia for ambulatory surgery. BJA Education (2019) 19(10): 321-328



Third Place Oral: Ankle block vs spinal vs general anaesthesia for day-case foot and ankle surgery. An audit of patient satisfaction and theatre efficiency.

C. McGrath, P. Merjavy Craigavon Area Hospital, Portadown

Day-case anaesthesia should ensure patient comfort, analgesia and anti-emesis to promote high theatre turnover and efficiency, early patient mobilisation and prompt discharge home. The Association of Anaesthetists, in combination with the British Association of Day Surgery published guidelines in 2019 which recommended "all anaesthetists should be familiar with techniques that permit the patient to undergo a procedure with minimum stress and maximum comfort in order to enable early discharge, including regional nerve blocks and neuraxial blockade" [1]. Specifically, a recent 2020 PROSPECT guideline supported by ESRA recommended ankle block as the first line regional analgesic technique for hallux valgus repair surgery [2]. We undertook an audit to establish if ankle block alone generated higher patient satisfaction and a more timely discharge following day-case foot and ankle surgery than spinal or general anaesthesia.

Methods: Data was collected from a total of 28 patients undergoing foot and ankle surgery on a onceweekly list in a local day-case unit over a 3 month period. Various anaesthetic techniques were employed over this time period, including ankle block alone, spinal (combined with ankle or popliteal nerve blocks) and general anaesthesia. Patient satisfaction questionnaires captured a variety of data including pain scores, incidence of PONV and mobility whilst recovery nursing staff captured data on time to oral intake, time to physiotherapy review and time to readiness for discharge and actual discharge from hospital.

Results: A total of 28 patients were included in the audit with 19 (68%) undergoing ankle block alone. General anaesthesia was performed on 5 (18%) patients and 4 (14%) underwent surgery under spinal anaesthesia in combination with popliteal or ankle nerve block. Our key findings indicated that patients undergoing ankle block alone established oral intake more quickly (mean 15 minutes vs 76 minutes for GA vs 38 minutes for spinal), were ready for discharge more quickly (mean 56 minutes vs 163 minutes for GA vs 186 minutes for spinal) and experienced long lasting effective analgesia with a mean time of 18 hours from nerve block to experiencing first pain. Patients undergoing peripheral nerve blockade also reported higher satisfaction with regards pain relief, PONV, sore throat, dry mouth and drowsiness than those undergoing a general anaesthetic. We hope to use our findings to establish a local protocol on using peripheral nerve blockade alone, specifically ankle block, as the first line anaesthetic technique for day-case foot and ankle surgery within our unit.

References:

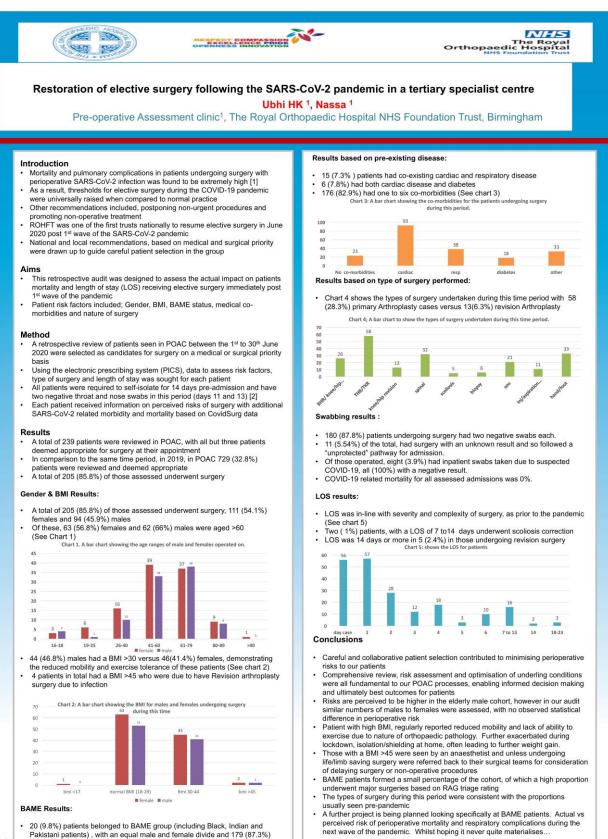
- Bailey, C.R., Ahuja, M., Bartholomew, K., Bew, S., Forbes, L., Lipp, A., Montgomery, J., Russon, K., Potparic, O. and Stocker, M. (2019), Guidelines for day-case surgery 2019. Anaesthesia, 74: 778-792.
- Korwin-Kochanowska K, Potié A, El-BoghdadlyK the PROSPECT/ESRA Working Group Collaboration, et al PROSPECT guideline for hallux valgus repair surgery: a systematic review and procedure-specific postoperative pain management recommendations Regional Anesthesia & Pain Medicine 2020;45:702-708



Best Overall Poster: Restoration of elective surgery following the SARS-CoV-2 pandemic in a tertiary specialist centre

HK. Ubhi, Z. Nassa

The Royal Orthopaedic Hospital, Birmingham. UK



 Mortality and pulmonary complications in patients undergoing surgery with perioperative SARS-CoV-2 infection: an international cohort study, www.thelancet.com Vol 396 July 4, 2020
 Operating framework for urgent and planned services in hospital settings during COVID-19, Version 1. NHS England.

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- Pakistani patients), with an equal male and female divide and 179 (87.3%) being of a white background 13 (65%) BAME patients had primary Arthroplasty, 1 (5%) Scoliosis correction, 1 (5%) revision Arthroplasty, 2 (10%) oncology procedures and 4 (20%) had
- 1 (5%) revision Arthroplasty, 2 (10%) oncology procedures and 4 (20%) had day case hand surgery



Best Presented Poster: Our experience with peripherally inserted central catheters (PICC) at a tertiary orthopaedic hospital- A analysis of complications over the last 5 years.

S Dsouza, C Crick, S Chin, R Krishnan. Royal National Orthopaedic Hospital (RNOH), Stanmore, London, UK



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Poster Most Likely to Change Practice: Challenges of central neuraxial anaesthesia and sedation in obese and morbidly obese patients undergoing prolonged lower limb free flap surgery

J. Kuzhively, S. Galitzine

Nuffield Department of Anaesthetics, Oxford University NHS Hospitals Trust, Oxford

Complex orthoglastic reconstructions for bone infection are often prolonged procedures with significant risk of flap failure especially in high BMI patients [4-6]. Neuraxial anaesthetic techniques can improve success with microvascular reconstruction procedures by reducing peri-operative stress and catecholamine release with good analgesia, improved haemodynamic stability, thermoregulation and decreased vasospasm [7]. High BMI can be associated with difficult insertion of CNA, but US assistance may be useful in determining landmarks and needle entry (8]. In terms of sedation, a balanced approach is required to ensure comfort and analgesia, by without over-sedation, hypercarbia and loss of airway control, and techniques like ketamine with propofol, targeted infusions of sedation and adic-visual distraction may be useful. HFNO has also been used successfully in some of the cases reviewed, epidurals fell out early with need for morphine conversion. Close monitoring and follow up by APS/anaesthetic cover is required to troubleshoot epidurals and ensure longevity of epidural functurately, in around 30% of the cases reviewed, there was only one failed CNA-Sed, with conversion. Close assume that CNA+Sed provides safe anaesthesia for prononged LLFTT surgetery in high BMI patients. With coursent longevity of epidural functurately, in around 30% of educes sedation requirements; 5) use of HFNO +/- addition of ketamine if deep sedation is required. Our findings can be applicable to management of high BMI patients. Which current talifilites in our centre we recommend the following usefue. The second cases is used where the state to the second of the second of the cases is and advective. J, where the second of the cases reviewed, integrite or high BMI patients. With current lower limb procedures. References 1. Ingravida J. Hernent SH. Free flap lower externity reconstruction in the obsets polation: dower limb sugery na onnipe patient with severe porticas learing fram assettesia and sectation for prolonged microvasc	40 Ar, HIN, ETUP excess Epi, Sedation, HFNO Umcuit CNA insertion, statemon, sta	Beckground The Nuffield Orthoppedic Centre (NOC) is a tertiary and quaternary referral centre for complex orthoppedic patients with setsomyelits (OM). The surgery is usually prolonged and plane high BML with associated or-motidities, like type II diabetes, obstructive sign papeae and sistnaemic heart disease. High BML is also associated with increased composing audit(DI) in the management of LLFTT patients, focusing on the anaesthesia [1:2]. While central metavial anaesthesia and sedation (CMA-Sed) can be available and patient reported outcomes [3], avoidance of airway interventions and good operative anaesthesia. In the NOC bylunder supervision of one consultant anaesthesis. Of BC cases reviewed (2007-onwards), there were 22 patients with BML: 30 and the line of surgery reported with increased. First pass success with insertion was recorded in eight (36%) cases. Sedation with VM and maintenance of adequate but sates sedation levels [4]. We present results to a consultant anaesthesis (CMA-Sed) case and patient reported outcomes [5], avoidance of airway interventions and good operatives results and set and patient reported outcomes [5], avoidance of airway interventions and good operatives and reported at the NOC bylunder supervision of one consultant anaesthesis (CMA-Sed Leveran). The surgery is an end of the reversed BD patients were performed in supine position and took between BMI anging from 30 to 44; four (18%) patients were morbidly obese with BMI > 40 (see table below). The surgery and addient to branche darkerial bioding assess morbidly cases. The patients, for addient and exist and was to morbidly obese with BMI > 40 (see table below). The surgery and addient to propord (15 ratio) for deeper sedation. In three patients more supervision (ACI) was used. In 12 patients and unvise BP and careful the obstructive spece sedation was maintained using proportive sign and for fentany buses as required. In 12 patients were morbidly obeses surgery an	Challenges of central neuraxial anaestnesia and sedation in obese and morbidity obese patients undergoing prolonged lower limb free flap surgery Dr Julie Kuzhively (RA ATM Trainee), Svetlana Galitzine (Consultant Anaesthetist) Nuffield Department of Anaesthetics, Oxford University Hospitals NHS Foundation Trust, UK
 dial anaesthetic techniques can improve success with cregulation and decreased vasospasm [7]. High BMI can be is required to ensure comfort and anxiolysis, but without useful. HFNO has also been used successfully in some of A-Sed, with conversion to GA around 3hrs into start of as improve patient comfort. Unfortunately, in around 30% of spidurals and ensure longevity of epidural infusions. ts. With the current facilities in our centre we recommend the rc CNA insertion; 4) use of AVD to alleviate anxiety and rts undergoing different lower limb procedures. naesthesia and sedation. [published online ahead of print, 2020 Jun 0] urues and successes, Regional Anesthesia & Pain Medicine. 2019; 44(1); pA144 ournal of Cranoficial Surgery. 2016 Nov;27(8):1956-1964. 	 A Pictures 1.2.— Theatre set up for a LLFTT under continuous spidural anaesthesia, conscious sedation with propole TCJ and HFNO for oxygenation in a BMI≥40 patient A patient > A patient A patient > A patient<		Oxford University Hospitals



The BSOA gives many thanks to the sponsors of the Virtual Event Series 2020



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Dr EJ da Silva Editor, President of the BSOA