



## Pervez Sultan

Professor of Anesthesiology, Perioperative and Pain Medicine (Obstetrics)

 NIH Biosketch available Online

### CLINICAL OFFICE (PRIMARY)

- **Center for Academic Medicine Pediatric Anesthesia**

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### Bio

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#### BIO

Dr. Pervez Sultan is a Professor of Obstetric Anesthesiology at Stanford University School of Medicine and an Honorary Professor at University College London in the department of Targeted Intervention. His research interests include defining, characterizing, measuring and improving postpartum recovery.

He has authored over 140 peer reviewed publications and presented the Ostheimer Lecture at the 2023 Society for Obstetric Anesthesia and Perinatology annual meeting.

Dr. Sultan is an NIH funded researcher. He is a principal investigator for a R01 grant awarded by the NHLBI aiming to develop and validate a new PROMIS-based measure to assess postpartum sleep. He is also a co-investigator for a Maternal Centers of Excellence U54 award from the NICHD entitled: Stanford PRIHSM: PReventing Inequities in Hemorrhage-related Severe Maternal Morbidity.

Dr. Sultan is an elected member of the Association of University Anesthesiologists. He serves on the Society for Obstetric Anesthesia and Perinatology (SOAP) Board as the Director from Academic Practice, and on the Annual Meeting and Live Events and Research Committees. He also serves on the International Anesthesia Research Society and is the vice chair of the ASA abstract review subcommittee on obstetric anesthesia and perinatology.

Dr. Sultan is a former Arline and Pete Harman Endowed Faculty Scholar of the Stanford Maternal and Child Health Research Institute at Stanford University and a previous recipient of the UK National Institute of Academic Anesthesia Research Award.

Researchgate profile: [https://www.researchgate.net/profile/Pervez\\_Sultan2](https://www.researchgate.net/profile/Pervez_Sultan2)

Google Scholar profile: [https://scholar.google.com/citations?user=Z2ftv\\_IAAAAJ&hl=en](https://scholar.google.com/citations?user=Z2ftv_IAAAAJ&hl=en)

Twitter: @PervezSultanMD

Website: [www.postpartumrecovery.net](http://www.postpartumrecovery.net)

## CLINICAL FOCUS

- Anesthesia
- Obstetric Anesthesia

## ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Anesthesiology, Perioperative and Pain Medicine
- Member, Maternal & Child Health Research Institute (MCHRI)

## HONORS AND AWARDS

- Best paper award, Oral Finalist (middle author), Society of Obstetric Anesthesia and Perinatology, New Orleans (2023)
- Best paper award, Oral Finalist (senior author), Society of Obstetric Anesthesia and Perinatology, New Orleans (2023)
- Osthimer Lecture: What's new in Obstetric Anesthesia? 2023, Society of Obstetric Anesthesia and Perinatology, New Orleans (2023)
- Best paper award, Oral Finalist, Obstetric Anaesthesia Association, Newport, UK (2022)
- Gertie Marx award (senior author). 1st prize, Society of Obstetric Anesthesia and Perinatology, Chicago (2022)
- Best paper award, Society for Obesity and Bariatric Anaesthesia (SOBA) (2019)
- Best paper award, Oral finalist, British Journal of Anaesthesia research forum, Royal College of Anaesthetists, London, UK (2018)
- Best paper award. Oral finalist, Obstetric Anaesthesia Association, Belfast (2018)
- 2nd place poster prize, Association of Anaesthetists of Great Britain and Ireland, Winter scientific meeting, London, UK (2017)
- Best poster prize., Society of Obstetric Anesthesia and Perinatology meeting, Seattle (2017)
- 1st place poster prize., Obstetric Anaesthesia Association meeting, Manchester. (2016)
- Clinical Excellence Award, University College London Hospital, UK (2016)
- National Institute of Academic Anaesthesia Research award, Royal College of Anaesthetists, London, UK (2016)
- Best paper award., Society of Obstetric Anesthesia and Perinatology meeting, Toronto (2014)
- Best paper award. Oral finalist, Obstetric Anaesthesia Association, Dublin (2014)
- Best paper award, Oral finalist., Society of Obstetric Anesthesia and Perinatology meeting, San Juan, Puerto Rico (2013)
- 1st place poster prize., 5th London Peri-operative Trainee Research Forum (2012)
- 2nd place history prize., Society of Obstetric Anesthesia and Perinatology meeting, Monterey (2012)
- 3rd prize Gertie Marx research award, Society of Obstetric Anesthesia and Perinatology meeting, Monterey (2012)
- Best paper award, Canadian Anesthesiologists' Society meeting, Quebec (2012)
- Best paper award, Oral finalist., Obstetric Anaesthesia Association meeting, Liverpool (2012)
- Young historians' essay competition. Oral finalist., International Symposium on the History of Anaesthesia, Sydney, Australia (2012)
- 1st Prize in C. Ronald Stephen Resident's Essay Contest., Anaesthesia History Association, Grapevine, Texas, USA (2011)
- Best case report., Society of Obstetric Anesthesia and Perinatology, Las Vegas, USA (2011)
- Best paper, Oral finalist., Western anaesthesia residents' conference, Tucson, Arizona, USA (2011)
- Certificate of merit., Group of Anaesthetists in Training conference, Cardiff, UK (2010)
- 2nd place poster prize., South East. Scotland Society of Anaesthesia Annual Trainees' Meeting, Dunfermline, UK (2006)

## BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Board Director from Academic Practice, Society of Obstetric Anesthesiology and Perinatology (2023 - present)
- Annual Meeting and Live Events Committee, Society of Obstetric Anesthesiology and Perinatology (2022 - present)
- Annual Meeting and Live Events Committee intersociety sub-committee chair, Society of Obstetric Anesthesiology and Perinatology (2022 - present)

- Curriculum Committee, Society of Obstetric Anesthesiology and Perinatology (2022 - present)
- Vice chair of the ASA Abstract Review Subcommittee on Obstetric Anesthesia and Perinatology, American Society of Anesthesiologists (2022 - present)
- Working group for 'Antenatal provision of high-risk obstetric anesthesia clinics', American Society of Anesthesiologists Committee on obstetric anesthesia (2022 - 2022)
- Working group for 'Statement on metrics', American Society of Anesthesiologists Committee on obstetric anesthesia (2022 - 2022)
- Abstract Review Subcommittee on Obstetric Anesthesia, International Anesthesia Research Society (2021 - present)
- Working group for 'Reducing Maternal Peripartum Racial and Ethnic Disparities in Anesthesia Care: Statement and Recommendations,' , American Society of Anesthesiologists Committee on obstetric anesthesia (2021 - 2022)
- Working group for 'Statement on post-dural puncture headache management', American Society of Anesthesiologists Committee on obstetric anesthesia (2021 - 2022)
- Abstract Review Subcommittee on Obstetric Anesthesia and Perinatology, American Society of Anesthesiologists (2020 - present)
- Obstetric Anesthesia Subcommittee member, American Society of Anesthesiologists (2020 - present)
- Working group for 'Guidelines for Neuraxial analgesia or anesthesia in obstetrics.' , American Society of Anesthesiologists Committee on obstetric anesthesia (2020 - 2021)
- Steering committee member formulating guidelines for enhanced recovery after cesarean delivery, Society of Obstetric Anesthesiology and Perinatology (2019 - present)
- International Outreach Committee, Society of Obstetric Anesthesiology and Perinatology (2018 - present)
- Research committee member, Society of Obstetric Anesthesiology and Perinatology (2018 - present)
- Steering committee member formulating guidelines for postoperative monitoring following neuraxial opioid administration in obstetrics, Society of Obstetric Anesthesiology and Perinatology (2017 - 2018)

## PROFESSIONAL EDUCATION

- MD (Res), University College London, UK , Molecular mechanisms of postoperative lymphopenia (2016)
- FRCA, Royal College of Anaesthetists, London, UK , Board Certification (2007)
- MBChB, University of Edinburgh (2003)
- Fellowship: North Central London Training Number (2013) England
- Residency: SE Scotland SHO Anaesthesia Rotation (2007) Scotland
- Residency: Wythenshawe Hospital Accident and Emergency (2005) England
- Internship: University Of Edinburgh Western General Hospital (2004) Scotland

## LINKS

- researchgate: [https://www.researchgate.net/profile/Pervez\\_Sultan2](https://www.researchgate.net/profile/Pervez_Sultan2)
- Twitter: <https://twitter.com/PervezSultanMD>
- Google Scholar: [https://scholar.google.com/citations?user=Z2ftv\\_IAAAAJ&hl=en](https://scholar.google.com/citations?user=Z2ftv_IAAAAJ&hl=en)

## Research & Scholarship

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### RESEARCH INTERESTS

- Assessment, Testing and Measurement
- Collaborative Learning
- Data Sciences
- Psychology
- Research Methods
- Sociology

## CLINICAL TRIALS

- Breath Metabolomics in the Laboring Parturient, Not Recruiting
- Evaluation of Inpatient Sleep and Activity Following Childbirth, Not Recruiting
- Immune and Physical Recovery Following Cesarean Delivery, Not Recruiting

## Publications

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### PUBLICATIONS

- **Ethnicity, socio-economic deprivation and postpartum outcomes following caesarean delivery: a multicentre cohort study.** *Anaesthesia*  
O'Carroll, J. E., Zucco, L., Warwick, E., Radcliffe, G., Moonesinghe, S. R., El-Boghdadly, K., Guo, N., Carvalho, B., Sultan, P.  
2024
- **Quality of recovery following childbirth: a prospective, multicentre cohort study.** *Anaesthesia*  
O'Carroll, J. E., Zucco, L., Warwick, E., Arbane, G., Moonesinghe, S. R., El-Boghdadly, K., Guo, N., Carvalho, B., Sultan, P.  
2023
- **Expert Consensus Regarding Core Outcomes for Enhanced Recovery after Cesarean Delivery Studies: A Delphi study.** *Anesthesiology*  
Sultan, P., George, R., Weiniger, C. F., El-Boghdadly, K., Pandal, P., Carvalho, B., CRADLE Study Investigators, Ansari, J. R., Benhamou, D., Baluku, M., Bernstein, P. S., Bollag, L. A., Bowden, S. J., et al  
2022
- **Proposed domains for assessing postpartum recovery: A concept elicitation study.** *BJOG : an international journal of obstetrics and gynaecology*  
Sultan, P., Jensen, S. E., Taylor, J., El-Sayed, Y., Carmichael, S., Cella, D., Angst, M. S., Gaudilliere, B., Lyell, D. J., Carvalho, B.  
2021
- **Use of Patient-Reported Outcome Measures to Assess Outpatient Postpartum Recovery: A Systematic Review.** *JAMA network open*  
Sultan, P., Sharawi, N., Blake, L., Ando, K., Sultan, E., Aghaeepour, N., Carvalho, B., Sadana, N.  
2021; 4 (5): e2111600
- **Society for Obstetric Anesthesia and Perinatology: Consensus Statement and Recommendations for Enhanced Recovery After Cesarean.** *Anesthesia and analgesia*  
Bollag, L. n., Lim, G. n., Sultan, P. n., Habib, A. S., Landau, R. n., Zakowski, M. n., Tiouririne, M. n., Bhambhani, S. n., Carvalho, B. n.  
2020
- **Evaluation of Domains of Patient-Reported Outcome Measures for Recovery After Childbirth: A Scoping and Systematic Review.** *JAMA network open*  
Sultan, P. n., Sadana, N. n., Sharawi, N. n., Blake, L. n., El-Boghdadly, K. n., Falvo, A. n., Ciechanowicz, S. n., Athar, W. n., Shah, R. n., Guo, N. n., Jensen, S. n., El-Sayed, Y. n., Cella, et al  
2020; 3 (5): e205540
- **Postpartum recovery: what does it take to get back to a baseline?** *Current opinion in obstetrics & gynecology*  
Sultan, P. n., Carvalho, B. n.  
2020; Publish Ahead of Print
- **Evaluation of inpatient postpartum recovery using the Obstetric Quality of Recovery-10 patient-reported outcome measure: a single-center observational study.** *American journal of obstetrics & gynecology MFM*  
Sultan, P. n., Kamath, N. n., Carvalho, B. n., Bansal, P. n., Elkhatib, R. n., Dougan, S. n., Whittington, J. n., Guo, N. n., El-Sayed, Y. n., Mhyre, J. n., Sharawi, N. n.  
2020; 2 (4): 100202
- **Comparative efficacy of intravenous treatments for perioperative shivering in patients undergoing caesarean delivery under neuraxial anaesthesia: A systematic review and Bayesian network meta-analysis of randomised-controlled trials.** *Journal of clinical anaesthesia*  
Ferrea, G., Monks, D. T., Singh, P. M., Fedoruk, K., Singh, N. P., Blake, L., Carvalho, B., Sultan, P.  
2024; 100: 111680
- **Development and validation of a German version of Obstetric Quality of Recovery-10 (ObsQoR10-German).** *International journal of obstetric anaesthesia*  
Fantin, R., Hütter, C., Lichtenberger, P., Guo, N., Ortner, C., Sultan, P.  
2024; 61: 104292

- **A Survey of Obstetric Anaesthesia Services and Practices in the United Kingdom.** *Cureus*  
O'Carroll, J., Zucco, L., Warwick, E., Arbane, G., Moonesinghe, R., El-Boghdadly, K., Guo, N., Carvalho, B., Sultan, P.  
2024; 16 (10): e70851
- **Association of inpatient postpartum recovery with patient-reported outcome measures following hospital discharge: a prospective cohort study.** *BMC pregnancy and childbirth*  
Stump, C. M., Peralta, F. M., Sultan, P., Holland, M. E., Badreldin, N., Shepard, L. C., McCarthy, R. J.  
2024; 24 (1): 618
- **Obstetric Anesthesia Quality Metrics: Performance, Pitfalls, and Potential.** *Anesthesia and analgesia*  
Fedoruk, K. A., Sultan, P.  
2024
- **The evaluation of the performance of ChatGPT in the management of labor analgesia.** *Journal of clinical anesthesia*  
Ismaiel, N., Nguyen, T. P., Guo, N., Carvalho, B., Sultan, P.  
2024; 98: 111582
- **Measuring quality in obstetric anaesthesia.** *BJA education*  
Bamber, J. H., Sultan, P.  
2024; 24 (8): 296-303
- **The 2023 Gerard W. Ostheimer Lecture. A Contemporary Narrative Review of Maternal Mortality and Morbidity: Opportunities to Improve Peripartum Outcomes.** *Anesthesia and analgesia*  
Sultan, P.  
2024
- **Development and validation of a Spanish version of the Obstetric Quality of Recovery-10 item score (ObsQoR-10-Spanish).** *BJA open*  
Guevara, J., Sánchez, C., Organista-Montañó, J., Domingue, B. W., Guo, N., Sultan, P.  
2024; 10: 100269
- **Comparison of artificial intelligence large language model chatbots in answering frequently asked questions in anaesthesia.** *BJA open*  
Nguyen, T. P., Carvalho, B., Sukhdeo, H., Joudi, K., Guo, N., Chen, M., Wolpaw, J. T., Kiefer, J. J., Byrne, M., Jamroz, T., Mootz, A. A., Reale, S. C., Zou, et al  
2024; 10: 100280
- **A comparative study of English and Japanese ChatGPT responses to anaesthesia-related medical questions.** *BJA open*  
Ando, K., Sato, M., Wakatsuki, S., Nagai, R., Chino, K., Kai, H., Sasaki, T., Kato, R., Nguyen, T. P., Guo, N., Sultan, P.  
2024; 10: 100296
- **In Response.** *Anesthesia and analgesia*  
Mootz, A. A., Carvalho, B., Sultan, P., Nguyen, T. P., Reale, S. C.  
2024; 138 (6): e37-e38
- **Associations between anxiety, sleep, and blood pressure parameters in pregnancy: a prospective pilot cohort study.** *BMC pregnancy and childbirth*  
Miller, H. E., Simpson, S. L., Hurtado, J., Boncompagni, A., Chueh, J., Shu, C. H., Barwick, F., Leonard, S. A., Carvalho, B., Sultan, P., Aghaeepour, N., Druzin, M., Panelli, et al  
2024; 24 (1): 366
- **Evaluation of Sleep in Pregnant Inpatients Compared With Outpatients.** *Obstetrics and gynecology*  
Panelli, D. M., Miller, H. E., Simpson, S. L., Hurtado, J., Shu, C. H., Boncompagni, A. C., Chueh, J., Barwick, F., Carvalho, B., Sultan, P., Aghaeepour, N., Druzin, M. L.  
2024
- **Timing of Major Postoperative Bleeding Among Patients Undergoing Surgery.** *JAMA network open*  
Halme, A. L., Roshanov, P. S., Tornberg, S. V., Lavikainen, L. I., Devereaux, P. J., Tikkinen, K. A.  
2024; 7 (4): e244581
- **Physical activity among pregnant inpatients and outpatients and associations with anxiety.** *European journal of obstetrics, gynecology, and reproductive biology*  
Panelli, D. M., Miller, H. E., Simpson, S. L., Hurtado, J., Shu, C. H., Boncompagni, A. C., Chueh, J., Carvalho, B., Sultan, P., Aghaeepour, N., Druzin, M. L.  
2024; 297: 8-14

- **Continuous wound infusion catheter as part of a multimodal analgesia regimen for post-Caesarean delivery pain: a quality improvement impact study.** *BJA open*  
Fowler, C., Stockert, E., Hoang, D., Guo, N., Riley, E., Sultan, P., Carvalho, B.  
2024; 9: 100242
- **Essential notes: impacted fetal head.** *BJA education*  
Baycroft, A., Conti, D., Sultan, P.  
2024; 24 (3): 81-83
- **The Accuracy of ChatGPT-Generated Responses in Answering Commonly Asked Patient Questions About Labor Epidurals: A Survey-Based Study.** *Anesthesia and analgesia*  
Mootz, A. A., Carvalho, B., Sultan, P., Nguyen, T. P., Reale, S. C.  
2024
- **A narrative review of the literature relevant to obstetric anesthesiologists: the 2023 Gerard W. Ostheimer lecture.** *International journal of obstetric anaesthesia*  
Sultan, P.  
2024: 103973
- **Validity, Reliability, and Feasibility of the Malay Version of Obstetric Quality-of-Recovery Tool (ObsQoR-10)** *Bali Journal of Anesthesiology*  
Chia, P., Tan, C. W., Nithiuthai, J., Sultana, R., Ithnin, F., Sultan, P. L., Sng, B. L.  
2024; 8: 115-22
- **A survey of obstetric anesthesia services and practices in the United Kingdom** *Cureus*  
O'Carroll, J., Zucco, L., Warwick, E., Arbance, G., Moonesinghe, R., El-Boghdadly, K., Guo, N., Carvalho, B., Sultan, P.  
2024; 16 (10): e70851
- **Association of antenatal anxiety, short sleep duration, and blood pressure parameters: a pilot study**  
Miller, H. E., Simpson, S. L., Hurtado, J., Shu, C., Chueh, J., Barwick, F., Leonard, S. A., Carvalho, B., Sultan, P., Aghaeepour, N., Druzin, M. L., Panelli, D. M.  
MOSBY-ELSEVIER.2024: S287
- **Insomnia in pregnancy: are hospitalized inpatients sleeping less than outpatients?**  
Panelli, D. M., Miller, H. E., Simpson, S. L., Hurtado, J., Shu, C., Boncompagni, A. C., Chueh, J., Barwick, F., Carvalho, B., Sultan, P., Aghaeepour, N., Druzin, M. L.  
MOSBY-ELSEVIER.2024: S378
- **Physical activity among pregnant inpatients and outpatients and associations with anxiety**  
Panelli, D. M., Miller, H. E., Simpson, S. L., Hurtado, J., Shu, C., Boncompagni, A. C., Chueh, J., Carvalho, B., Sultan, P., Aghaeepour, N., Druzin, M. L.  
MOSBY-ELSEVIER.2024: S578
- **Quality of recovery following childbirth: a multidimensional concept** *ANAESTHESIA*  
O'Carroll, J. E., Sultan, P.  
2023
- **Prevalence and predictors for postpartum sleep disorders: a nationwide analysis.** *The journal of maternal-fetal & neonatal medicine : the official journal of the European Association of Perinatal Medicine, the Federation of Asia and Oceania Perinatal Societies, the International Society of Perinatal Obstetricians*  
Sultan, P., Guo, N., Kawai, M., Barwick, F. H., Carvalho, B., Mackey, S., Kallen, M. A., Gould, C. E., Butwick, A. J.  
2023; 36 (1): 2170749
- **Association of inpatient postpartum quality of recovery with postpartum depression: A prospective observational study.** *Journal of clinical anesthesia*  
Ben Hayoun, D. H., Sultan, P., Rozeznic, J., Guo, N., Carvalho, B., Orbach-Zinger, S., Weiniger, C. F.  
2023; 91: 111263
- **Outcomes and outcome measures utilised in randomised controlled trials of postoperative caesarean delivery pain: a scoping review.** *International journal of obstetric anaesthesia*  
Ciechanowicz, S., Kim, J., Mak, K., Blake, L., Carvalho, B., Sultan, P.  
2023: 103927
- **Postpartum recovery of nulliparous women following scheduled cesarean delivery and spontaneous vaginal delivery: a prospective observational study.** *AJOG global reports*  
Mazda, Y., Ando, K., Kato, A., Noguchi, S., Sugiyama, T., Hizuka, K., Nagai, A., Ikeda, Y., Sakamaki, D., Guo, N., Carvalho, B., Sultan, P.

2023; 3 (3): 100226

- **Effect of Dural-Puncture Epidural vs Standard Epidural for Epidural Extension on Onset Time of Surgical Anesthesia in Elective Cesarean Delivery: A Randomized Clinical Trial.** *JAMA network open*  
Sharawi, N., Williams, M., Athar, W., Martinello, C., Stoner, K., Taylor, C., Guo, N., Sultan, P., Mhyre, J. M.  
2023; 6 (8): e2326710
- **Pharmacological agents for prevention of pruritus in women undergoing Caesarean delivery with neuraxial morphine: a systematic review and Bayesian network meta-analysis.** *British journal of anaesthesia*  
Singh, P. M., Sultan, P., O'Carroll, J., Blake, L., Carvalho, B., Singh, N. P., Monks, D. T.  
2023
- **A systematic review of patient-reported outcome measures used in maternal postpartum anxiety.** *American journal of obstetrics & gynecology MFM*  
O'Carroll, J., Ando, K., Yun, R., Panelli, D., Nicklin, A., Kennedy, N., Carvalho, B., Blake, L., Coker, J., Kaysen, D., Sultan, P.  
2023: 101076
- **Elucidating the effects of labor analgesia on fetal immune function and in utero temperature: A novel approach to understanding epidural-related maternal fever.** *American journal of obstetrics and gynecology*  
Sultan, P., Blumenfeld, Y.  
2023
- **Comparison of different nonsteroidal anti-inflammatory drugs for cesarean section: a systematic review and network meta-analysis.** *Korean journal of anesthesiology*  
Murdoch, I., Carver, A., Sultan, P., O'Carroll, J., Blake, L., Carvalho, B., Onwochei, D. N., Desai, N.  
2023
- **Epidural-related maternal fever: incidence, pathophysiology, outcomes, and management.** *American journal of obstetrics and gynecology*  
Patel, S., Ciechanowicz, S., Blumenfeld, Y. J., Sultan, P.  
2023
- **Measuring enhanced recovery in obstetrics: a narrative review.** *AJOG global reports*  
Ciechanowicz, S., Ke, J. X., Sharawi, N., Sultan, P.  
2023; 3 (1): 100152
- **Red Blood Cell Transfusion in Patients With Placenta Accreta Spectrum: A Systematic Review and Meta-analysis.** *Obstetrics and gynecology*  
Miller, S. E., Leonard, S. A., Meza, P. K., Ku, S., Ren, L. Y., Lyell, D. J., Sultan, P., Butwick, A.  
2023; 141 (1): 49-58
- **Intra-operative breakthrough pain during caesarean delivery: a path forward.** *Anaesthesia*  
Sultan, P., Patel, R.  
2022
- **Postpartum care visits among commercially insured women in the United States.** *AJOG global reports*  
Butwick, A. J., Bentley, J., Daw, J., Sultan, P., Girsan, A., Gibbs, R. S., Guo, N.  
2022; 2 (4): 100106
- **Corrigendum to 'Analgesia for Caesarean section' [BJA Education 22 (2022) 197-203].** *BJA education*  
Neall, G., Bampoe, S., Sultan, P.  
2022; 22 (11): 448
- **Assessment of fatigue in postpartum women using patient-reported outcome measures: a systematic review utilising Consensus Based Standards for the Selection of Health Measurement Instruments (COSMIN) guidelines** *FATIGUE-BIOMEDICINE HEALTH AND BEHAVIOR*  
Ciechanowicz, S., Pandal, P., Carvalho, B., Blake, L., Van Damme, S., Taylor, J., Sultan, P.  
2022
- **Development and Validation of a Turkish Version of Obstetric Quality of Recovery-10.** *Turkish journal of anaesthesiology and reanimation*  
Kozanhan, B., Yildiz, M., Polat, A., Güneç, O., Tutar, S. M., Yisoy, M. S., Kulhan, N. G., Sultan, P.  
2022; 50 (5): 366-372
- **In-Circuit High-Frequency Jet Ventilation for Radiological Tumor Ablation: A Case Series.** *A&A practice*  
Salih, T., Elgie, L., Hari, B., Williams, B., Thomas, R. M., Bandula, S., Walkden, M., Sultan, P., McPherson, K., Jenkins, K.

2022; 16 (8): e01608

- **Obstetric services in the UK during the COVID-19 pandemic: A national survey.** *Anaesthesia, critical care & pain medicine*  
O'Carroll, J. E., Zucco, L., Warwick, E., Arbane, G., Moonesinghe, R., El-Boghdady, K., Guo, N., Carvalho, B., Sultan, P.  
2022: 101137
- **Incidence, prevalence, and timing of postpartum complications and mortality in Canada and the United States: a systematic review and meta-analysis protocol.** *JBI evidence synthesis*  
Ke, J. X., Vidler, M., Dol, J., Carvalho, B., Blake, L. E., George, R. B., Bone, J., Seligman, K., Coombs, M., Chau, A. A., Saville, L., Gibbs, R. S., Sultan, et al  
2022
- **Assessment of Patient-Reported Outcome Measures for Maternal Postpartum Depression Using the Consensus-Based Standards for the Selection of Health Measurement Instruments Guideline: A Systematic Review.** *JAMA network open*  
Sultan, P., Ando, K., Elkhateb, R., George, R. B., Lim, G., Carvalho, B., Chitneni, A., Kawai, R., Tulipan, T., Blake, L., Coker, J., O'Carroll, J.  
2022; 5 (6): e2214885
- **Enhancing recovery after cesarean delivery - A narrative review.** *Best practice & research. Clinical anaesthesiology*  
O'Carroll, J., Carvalho, B., Sultan, P.  
2022; 36 (1): 89-105
- **Analgesia for Caesarean section.** *BJA education*  
Neill, G., Bampoe, S., Sultan, P.  
2022; 22 (5): 197-203
- **Development and validation of a Portuguese version of Obstetric Quality of Recovery-10 (ObsQoR-10-Portuguese).** *Anaesthesia, critical care & pain medicine*  
Mathias, L., Carlos, R. V., Siaulys, M., Gabriades, P., Guo, N., Domingue, B., O'Carroll, J., Carvalho, B., Sultan, P.  
2022: 101085
- **Divinum sedare dolorem: it is divine to alleviate pain.** *Anaesthesia*  
Sultan, P., Patel, R., Sharawi, N., Moonesinghe, S. R.  
2022
- **Quick Hits in Obstetric Anesthesia**  
Fernando, R., Sultan, P., Phillips, S.  
Springer.2022
- **Inadequate neuraxial anaesthesia in patients undergoing elective caesarean section: a systematic review.** *Anaesthesia*  
Patel, R., Kua, J., Sharawi, N., Bauer, M. E., Blake, L., Moonesinghe, S. R., Sultan, P.  
2022
- **Cesarean delivery** *Nelson G, Ramirez PT, Dowdy SC, Wilson RD, and Scott MJ (Eds). The ERAS® Society Handbook for Obstetrics & Gynecology.*  
Fay, E., Sultan, P., Bollag, L.  
Elsevier Inc./Academic Press.2022; 1: 249-81
- **Anesthetic Management of Pregnant Patients with Novel Coronavirus** *Quick Hits in Obstetric Anesthesia*  
Sheikh, M., Abir, G., Sultan, P.  
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- **Neuraxial blockade for external cephalic version: a systematic review** *INTERNATIONAL JOURNAL OF OBSTETRIC ANESTHESIA*  
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- **Via the lungs or the veins?** *British journal of hospital medicine (London, England : 2005)*  
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- **Anaesthesia for the bleeding tonsil.** *British journal of hospital medicine (London, England : 2005)*  
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- **Regional anaesthesia for caesarean section: a choice of three techniques.** *British journal of hospital medicine (London, England : 2005)*  
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- **Is there a role for thiopentone in modern anaesthetic practice?** *British journal of hospital medicine (London, England : 2005)*  
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- **Is cricoid pressure needed during rapid sequence induction?** *British journal of hospital medicine (London, England : 2005)*  
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- **Anaesthetic rooms: luxury or necessity?** *British journal of hospital medicine (London, England : 2005)*  
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- **Contamination of anaesthetic machines with pathogenic organisms.** *Anaesthesia*  
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## PRESENTATIONS

- 2015 Obstetric Anaesthesia Association Cases & Controversies Meeting: A challenging category 2 section. - Obstetric Anaesthesia Association Cases and controversies meeting (2015)
- 2015 Obstetric Anaesthesia Association Update: Spinal anaesthesia for caesarean section. - Obstetric Anaesthesia Association update meeting (2015)
- 2015 Royal College of Anaesthetists Research Day: Lab research towards a higher degree. Introduction to Anaesthesia - National Institute of Academic Anaesthesia and Pan-London Academic Anaesthesia Training Advisory Group, London (2015)
- 2016 How I became a specialist: Obstetrics. After the Final Fellowship of the Royal College of Anaesthetists course - Royal College of Anaesthetists (2016)
- 2016 Washington University, St. Louis Grand Rounds: Mechanisms of perioperative lymphopenia - Washington University, (2016)
- 2017 OAA Cases and Controversies Meeting: Think big and THRIVE. - Obstetric Anaesthesia Association cases and controversies meeting (2017)
- 2017 SOAP Enhanced Recovery Panel: Warming as part of enhanced recovery after cesarean delivery - Society of Obstetric Anesthesiology and Perinatologymeeting (2017)
- 2017 Stanford University Grand Rounds: From lymphocyte dysfunction to epidural related maternal fever. - Stanford University Department of Anesthesia Grand Round Presentation (2017)
- 2019 SOAP Research Hour: Defining, evaluating and influencing recovery after cesarean delivery. - Society for Obstetric Anesthesia and Perinatology (2019)
- 2019 IARS Expert Panel: Attaining the opioid-free cesarean delivery - IARS meeting (2019)
- 2020 Stanford University Morbidity and Mortality Working Group: Measuring postpartum recovery - Stanford Morbidity and Mortality Working Group (October 5, 2020)
- 2020 Brigham and Women's Hospital Grand Round: Defining, measuring and characterizing postpartum recovery - Brigham and Women's Hospital. (October 19, 2020)
- 2020 University of Arkansas for Medical Sciences Grand Round: Postpartum recovery - UAMS (2020)
- 2021 Stanford Anesthesia Data Blitz: Measuring postpartum recovery - Stanford Anesthesia Data Blitz (3/5/2021)
- 2021 Columbia University Grand Rounds: What does it take to get back to a baseline? - Columbia University Obstetric Anesthesia Grand Rounds (3/10/2021)
- 2021 Yale University Grand Round: Metrics of postpartum recovery - Yale University Grand Rounds (4/16/2021 - 4/16/2021)
- 2021 Northwestern University Works in Progress Meeting: How can we measure Enhanced Recovery protocol success? - Northwestern University (4/30/2021 - 4/30/2021)
- 2021 National Journal Club (Brigham, Northwestern, Stanford, UAMS): Chloroprocaine versus Lidocaine for epidural top up? - Brigham Women's Hospital, Northwestern University, Stanford University and UAMS (4/28/2021 - 4/28/2021)
- 2021 Moderator for SOAP abstract presentations on POCUS and fetal surgery - SOAP 2021 Annual Meeting (5/16/2021 - 5/16/2021)
- 2021 EBPOM Meeting: Meaningful outcomes related to postpartum anemia - EBPOM Meeting (Evidence Based Perioperative Medicine) (6/30/2021 - 6/30/2021)
- 2021 20th North West Obstetric Anaesthesia Forum Annual meeting: Obstetric recovery measures - 20th North West England Obstetric Anaesthesia Forum Annual meeting (7/7/2021 - 7/7/2021)
- 2021 OAA State of the Art Obstetric Anaesthesia meeting: Post Cesarean Analgesia: Is there a gold standard? - Virtual OAA meeting (12/1/2021 - 12/1/2021)
- 2021 Guy's and St Thomas' Hospital London Research Group Meeting: ObsQoR: A multicenter UK study - Guy's and St. Thomas' Hospital Research Group
- 2022 AWHONN Conference: Obstetric recovery (2/12/2022 - 2/12/2022)
- 2022 Japanese Association for Perinatal Anesthesiology: Enhancing recovery after cesarean delivery - Japanese Association for Perinatal Anesthesiology (3/13/2022 - 3/13/2022)
- 2022 UC Davis Grand Round: Enhanced recovery in obstetrics: Where are we now? - UC Davis (3/29/2022 - 3/29/2022)
- 2022 Santa Joana Obstetric Anesthesia Meeting: Enhancing Recovery After Cesarean Delivery - Santa Joana Obstetric Anesthesia Virtual Meeting (4/2/2022 - 4/2/2022)
- 2022 Santa Joana Obstetric Anesthesia Meeting: Post Cesarean Analgesia: An Evidence-based Approach - Santa Joana Obstetric Anesthesia Virtual Meeting (4/2/2022 - 4/2/2022)
- 2022 Santa Joana Obstetric Anesthesia Meeting: Live Q&A with the experts - Santa Joana Obstetric Anesthesia Virtual Meeting (4/2/2022 - 4/2/2022)
- 2022 CSA Meeting: Post Cesarean Delivery Analgesia: Is there a Gold Standard? - CSA Annual Meeting (4/8/2022 - 4/8/2022)
- 2022 Stanford University Department of Anesthesia Grand Round: Postpartum Recovery: What does it take to return to a baseline? - Department of Anesthesiology, Perioperative and Pain Medicine (4/18/2022 - 4/18/2022)

- 2022 ERAS Society Meeting: Impact of enhanced recovery after cesarean delivery on maternal outcomes - ERAS Society (6/1/2022 - 6/1/2022)
- 2022 SOAP Virtual Highlights: Post cesarean delivery pain management: What do we know and how do we do it? - SOAP Virtual Highlights Meeting (6/5/2022 - 6/5/2022)
- 2022 University College London Hospital Grand Round: A letter from Stanford to London - University College London Hospital (9/16/2022 - 9/16/2022)
- 2022 University of Virginia Grand Rounds: An update on optimal post cesarean delivery analgesia (11/23/2022 - 11/23/2022)
- 2022 University of Virginia Grand Rounds: Enhanced recovery - an update (11/23/2022 - 11/23/2022)
- 2023 SMFM Annual Meeting: Traumatic childbirth and psychological sequelae. - SMFM (2/8/2023 - 2/8/2023)
- 2022 ASA Annual Meeting: Making ERAC Work for You and Your Patients - ASA meeting (10/25/2022 - 10/25/2022)
- 2022 ASA Annual Meeting: Obstetric anesthesia oral abstract session moderator (10/22/2022 - 10/22/2022)
- 2023 Ostheimer Lecture: What's new in Obstetric Anesthesia? (5/6/2023)
- 2023 ERAS Society Meeting: Enhancing recovery in Obstetrics: New concepts and opportunities - ERAS Society Meeting (5/31/2023)
- 2023 Northwestern Obstetric Division: Postpartum recovery: New concepts and opportunities - Northwestern Obstetric Anesthesia Division (6/8/2023)
- 2023 11th Annual Dr. Harry and Mitzie P. Cohen Lectureship in Obstetrics and Anesthesiology - Northwestern University Grand Round (6/9/2023)
- 2023 Brigham & Women's Hospital Grand Round: Ostheimer Lecture: What's New in Obstetric Anesthesia - Brigham and Women's Hospital (9/13/2023)
- 2023 Massachusetts General Hospital Grand Round: What's New in Obstetric Anesthesia - Massachusetts General Hospital (9/14/2023)
- 2023 ASA Annual meeting: The top papers in obstetric anesthesia that will change your practice (10/15/2023)
- 2023 ASA annual meeting: Intraoperative breakthrough pain - prevalence, risk factors and management - ASA meeting (10/14/2023)
- 2023 Royal Infirmary of Edinburgh Grand Round: Ostheimer Lecture: What's New in Obstetric Anesthesia - Royal Infirmary Edinburgh anaesthesia department (10/27/2023)
- 2023 Obstetric Anaesthesia Association - 3 day course: What's new in Obstetric anaesthesia? - Obstetric Anaesthesia Association (9/22/2023)
- 2023 Obstetric Anaesthesia Association - 3 day course: Enhanced recovery in obstetrics - new concepts and opportunities - Obstetric Anaesthesia Association (11/21/2023)
- 2024 Emory University Grand Round: What's New in Obstetric Anesthesia? (1/24/2024)
- 2024 Sheila Cohen Lecture: Stanford University Grand Round: What's New in Obstetric Anesthesia? (3/11/2024)
- 2024 Santa Joana meeting, Brazil: Intraoperative Breakthrough Pain During Cesarean Delivery: Prevalence, Risk Factors & Management - Santa Joana Meeting - 28ª Jornada Internacional de Anestesia Obstétrica (3/23/2024)
- 2024 Santa Joana Meeting, Brazil: What's new in obstetric anesthesia? - 28ª Jornada Internacional de Anestesia Obstétrica (3/23/2024)
- 2024 Santa Joana Meeting, Brazil: Enhanced recovery after cesarean delivery: New concepts and opportunities - 28ª Jornada Internacional de Anestesia Obstétrica (3/23/2024)
- 2024 Oakbend Medical Center Grand Round. What's new in obstetric anesthesia? - Oakbend Medical Center grand round (4/26/2024)
- 2024 29th Resident's Day, UAMS. Intraoperative breakthrough pain. - UAMS, Arkansas. (4/29/2024)
- 2024 29th Resident's Day, UAMS. What's new in obstetric anesthesia? - UAMS, Arkansas (4/30/2024)
- 2023 SOAP Distinguished Service Award introduction (Dr. Brendan Carvalho) - SOAP Annual Meeting (4/30/2024)
- 2024 SOAP Ostheimer lecture introduction (Dr. Melissa Bauer) - SOAP Annual Meeting (April 30, 2024)
- 2024 Development and validation of the Stanford Obstetric Recovery checklist (STORK), SOAP meeting - SOAP annual meeting (4/30/2024)
- 2024 SOAP Research Panel: Study design - SOAP Annual Meeting (4/30/2024)
- 2024 NIH Pain Consortium Symposium: Maternal pain: New concepts and opportunities - NIH pain consortium symposium (5/30/2024 - 5/30/2024)
- 2024 Laura Simons' Lab Meeting - Postpartum recovery: If you can't measure it, you can't improve it. - Laura Simons Lab meeting (7/23/2024)
- 2024 What's new in obstetric anesthesia - YouTube premiere - Stanford CME (10/3/2024)