NATIONAL PATIENT SAFETY IN ANAESTHESIA CONFERENCE & KP MOORE COMPETITION 2023

WINTER LECTURE
PROF. JEFFREY COOPER

Professor of Anaesthesia
Harvard Medical School

Venue
Chartered Accountants House

Date
17th November 2023 8.00 am

6.5 CPD Points

Register by scanning QR Code below

WWW.ANAESTHESIA.IE

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KP MOORE MEDAL COMPETITION & WINTER COLLEGE LECTURE 2023

BOOK OF ABSTRACTS

KP Moore Medal Winner 2022

Dr Claire Keaveney Jimenez

'INPATIENT PREOPERATIVE MEDICATION ADMINISTRATION QUALITY IMPROVEMENT PROJECT AND AUDIT CYCLE'

Dear Colleagues and Friends,

On behalf of the Committee of Anaesthesiology Trainees, I would like to welcome you all to the 2023 National Patient Safety in Anaesthesia Conference.

This conference is one example of the tireless work carried out by the College of Anaesthesiologists in fostering and sustaining safer practices within our specialty and many of the lectures today will touch on the current status and the envisioned, future trajectory of patient safety in Ireland. The change in this year's venue coupled with the programme of distinguished speakers reflects a concerted commitment to embedding patient safety as a pillar of clinical practice and a recognition that we can learn from each other in the pursuit of excellence.

The Patient Safety in Anaesthesia Conference would not be complete without the KP Moore Medal competition, which, since its inception in 2017, has fast become one of the most anticipated events of the day. Over the years, it has grown in popularity and prestige; showcasing the very best patient safety initiatives from departments all across the country. The eponymous, Dr. Kevin Patrick Moore, a paediatric anaesthesiologist and gifted clinician firmly established patient safety as one of the cornerstones of our national anaesthesiology training scheme. In his honour, we award the KP Moore medal to a trainee who mirrors his passion for safety in our profession.

The Committee of Anaesthesiology Trainees would like to thank the Quality and Safety Advisory Committee for their ongoing support and importantly wish all of the presenters today the very best of luck.

Dr. Siobhán Clarke
Quality and Safety Advisory Committee representative,
Committee of Anaesthesiology Trainees (CAT)

Foreword - Dr McCloskey and Prof Tan

We are delighted to welcome you to the **6th National Patient Safety in Anaesthesia Conference** at the Institute of Chartered Accountants. Patient Safety remains the most important priority for our speciality and our College. 2023 has seen several important developments in the advancement of our Patient Safety Strategy. Work is ongoing on the development of a core patient safety curriculum, developed in conjunction with the other Medical Colleges. A new 'Fundamentals of Patient Safety' programme has been delivered to our SAT1 group.

The Safe Anaesthesia Network of Ireland (SANI) group have launched a national lecture series open to all and focussing on vital topics including safety culture and safety in obstetric anaesthesia. We would like to thank Prof Irene Leonard for leading SANI.

The College have become the first professional body to form an important alliance with HSE Quality and Safety Directorate aiming to collaborate and provide targeted feedback to fellows and members on the reported incidents from the National Incident Management System (NIMS). The derived learning will also guide the College on focus areas for education and training.

This year our conference speakers will focus on the most recent advances in safety in anaesthesiology and safety culture. We are delighted to welcome Professor Jeffrey Cooper from Harvard Medical School to deliver the Winter Scientific Lecture on his personal experiences as a global leader in patient Safety.

The **KP Moore Competition** continues to attract a high number of excellent submissions in the field of patient safety. This year over 80 submissions were received, all demonstrating the important improvement projects ongoing across the country. This large number of submissions is truly a testament to all Anaesthesiology departments in Ireland of their efforts to continually improve and innovate in quality and safety at the point of care. A special thank you to the Safety Leads on SANI, Amy Donnelly, Clare O'Connor, and Pádraig Ó Scanaill for reviewing all the abstracts and adjudicating at the competition.
We hope that what you learn today will be transformed into lived experiences in your workplace and help you to be the leaders for patient safety in your healthcare organisations.

Prof Terry Tan
Chair of the Quality and
Safety Advisory Committee, CAI

Dr Brian McCloskey
Director of Patient Safety and Quality
Improvement, CAI

KP MOORE MEDAL COMPETITION

The KP Moore Medal competition is named in honour of KP Moore. Dr Moore was a well-known and respected paediatric anaesthetist.

Dr Kevin P Moore

Dr Moore was a founding father of the training programme in Ireland. He was the first chairman of the training committee from 1981- 1991.

In honouring him by awarding this medal in his name, the Committee of Anaesthetists in Training are acknowledging both his contribution to anaesthesia training in Ireland and the individual attention that he gave the many trainees that he mentored and supported.

The College is pleased to welcome back Mrs Moore and her family and thank them for continuing to support the competition.

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AGENDA

07.45 **Registration**

08.30 **Welcome**
Prof Terry Tan, Chair of Quality and Patient Safety Advisory Committee

Session 1: Safe Practice

Chair: Prof Terry Tan

8.35 - 9.00 **Airway Safety**
Prof Ellen O'Sullivan - St James Hospital

9.00 - 9.20 **Safe Surgery**
Ms Aileen O'Brien

9.20 - 9.45 **Update on Allergies and Anaphylaxis in Anaesthesiology**
Dr Anne Mc Clelland

9.45 - 10.10 **Safe Sedation**
Dr Jan Steiner - AAGBI

10.10 - 10.20 Poster Elevator Pitch

10.20 - 10.50 Break: Trade Exhibition / Poster exhibition

Session 2: How we do Patient Safety in our Departments

Chair: Dr Brian McCloskey

10.50 - 11.15 *Prof Irene Leonard - Beaumont Hospital*

11.15 - 11.40 *Dr Aoibhin Hutchinson - RVH Belfast*

Session 3: Safe Culture

11.40 - 12.20 **Keynote Lecture: Just Culture**
Dr Marie Ward - PhD, Centre of Innovation Systems, TCD

12.20 - 12.30 Poster elevator pitch

12.30 - 13.30 Lunch Break: Trade exhibition / Poster exhibition

AGENDA

KP Moore Medal in Patient Safety

Chair: Prof Terry Tan

13.30 - 15.00 **KP Moore Finalist Presentations**

15.00 - 15.30 **Accreditation in Patient Safety for Clinical Departments (ACSA): What it is, how it works, and roadmap to getting started**

Chair: Prof Donal Buggy

Dr Russell Perkins - RCoA

15.30 - 15.40 **Break**

Winter College Lecture 2023

Chair: Prof George Shorten

15.40 - 16.25 **Anaesthesia Patient Safety, Past and Future**

Prof Jeffrey Cooper - Professor of Anaesthesia Harvard Medical School

16.25 **Prize-giving Presentations**

Closing Address

Prof George Shorten -CAI President

Find out more about the event on our website: www.anaesthesia.ie.
For further question please get in touch with us at
patient.safety@coa.ie

SPEAKERS

Prof Terry Tan - *Chair*
Chair of the Quality and Safety Advisory Committee, CAI

Prof Tan is a consultant anaesthesiologist at the Coombe Women and Infants University Hospital, and St James's Hospital, Dublin, Associate Clinical Professor at University College Dublin, and Senior Clinical Lecturer at Trinity College Dublin. As well as extensive experience as an obstetric anaesthesiologist, he has lectured nationally and internationally on topics such as obesity in pregnancy and the use of ultrasound in obstetric anaesthesia.

Prof Ellen O'Sullivan - *Speaker*
Consultant Anaesthesiologist in the Dept. of Anaesthesiology & Intensive Care at St James Hospital Dublin, Ireland & College of Anaesthesiologists of East, Central and Southern Africa (CANECSA)

Ellen O'Sullivan trained in anaesthesiology and intensive care in the UK and USA and is now a Consultant Anaesthesiologist at St James's Hospital Dublin, Ireland affiliated to Trinity College Dublin. She specializes in airway management and is the Director of the Fellowship in Advanced Airway Management and Simulation.
She is Past President of the Difficult Airway Society, DAS, and was appointed DAS Professor of Anaesthesia and airway Management.
Prof O'Sullivan is Past President of the College of Anaesthesiologists of Ireland and is now Airway Lead Advisor to the College and runs the CAI national airway training.
She has a substantial portfolio of clinically relevant research and has co-authored more than 140 scientific papers, books, website modules etc Clinically she has developed a worldwide reputation in airway management and lectures and teaches workshops internationally.
She was a member of the ASA Task Force on Management of the Difficult Airway and also sits on the Project for Universal Airway Guidelines Group (PUMA) guideline group. She is an Executive Director of WAAM (World Alliance for Airway Management) and co-chaired the World Airway Meeting, WAMM1, in Dublin 2015 and WAMM2 in Amsterdam 2019. A particular interest of Prof O'Sullivan's is Global Anaesthesia and supporting education and training in low & middle-income countries. This has led to her involvement in a number of projects in Malawi and Uganda including the Global Capnography Project (GCAP)

Dr Anne McClelland - *Speaker*
Consultant Anaesthetist, Belfast Trust

Consultant Anaesthetist working in the Belfast Trust. Studied medicine at Queens University Belfast and completed anaesthetic training in Northern Ireland. As well as an interest in orthopaedic and day-case anaesthesia, I have more recently developed an interest in perioperative drug allergy. I completed a certificate in Allergy at Southampton University.
Following the pandemic, we have established a gold-standard joint immunology and anaesthetic perioperative allergy clinic. This provides a regional service for Northern Ireland.

SPEAKERS

Ms Aileen O'Brien - *Speaker*

Assistant Director of Nursing Lead, National Clinical Programme for Anaesthesia

Aileen is the Assistant Director of Nursing Lead for the National Clinical Programme for Anaesthesia. She has many years of experience in Perioperative Nursing and was a Clinical Nurse Manager in Anaesthesia and Preoperative assessment at Tallaght University Hospital prior to her current role. She has developed education programmes for nurses in Anaesthesia/Post Anaesthesia care and Pre-admission unit care. Her current role brings together all aspects of her clinical experience to date together with her passion for quality safe patient care and professional development. She was instrumental in the development and publication of this policy and chaired the working group. She also led the development of an eLearning module for the 5 stages of safe surgery.

Dr Jan Steiner - *Speaker*

Consultant Anaethesiologist / intensivist, Galway Clinic

Dr Jan Steiner joined the Galway Clinic in April 2015 as a Consultant Anaesthesiologist / Intensivist. He is Medical Director of the Intensive Care Unit in the Galway Clinic and previous Chairman of the Department of Anaesthesia.
Originally from Germany, Dr Steiner has trained and worked as an Anaesthesiologist both in Germany and Ireland.
Dr Steiner graduated from the University of Bochum and Essen and commenced his Anaesthetic training in Germany.
He completed much of his Anaesthetic training in Ireland which included the basic specialty training scheme in the North West of Ireland followed by the Specialist Registrar scheme rotating throughout Ireland.
He is a Fellow of the College of Anaesthesiologists of Ireland.
Following completion of his Anaesthetic higher specialty training, Dr Steiner has furthermore been awarded a Fellowship in Intensive Care Medicine in Germany.
Dr Steiner completed a simulation masterclass in Procedural Sedation and Analgesia according to the 2017 European Society of Anaesthesiology guidelines in Mainz, Germany.
He is regularly invited to present at various medical conferences on specialist topics which include sepsis, ICU design impact on delirium, and procedural sedation.
Dr Steiner was the lead clinician for establishing a new, modern, and JCI compliant Procedural Sedation and Analgesia (PSA) policy in the Galway Clinic. Dr Steiner was central in establishing the first official and formal procedural sedation course for nurses in Ireland in cooperation with GMIT resulting in a Certificate in Nursing in Procedural Sedation, Level 9, 10 credit, Special Purpose Award.

SPEAKERS

Prof Irene Leonard - *Speaker*
Consultant Anaesthesiologist, Beaumont Hospital

Honorary Clinical Associate Professor, RCSI University of Medicine & Health Sciences, has a long-held passionate interest in patient safety and Quality Improvement in Anaesthesia.
Current Roles include:
Consultant Patient Safety Lead, Anaesthesia Department, Beaumont Hospital
Member - Quality and Safety Advisory Commilee, CAI
Current Chair - Safe Anaesthesia Network of Ireland (SANI)

Dr Aoibhin Hutchinson - *Speaker*
Consultant in Intensive Care Medicine and Anaesthesia, RVH Belfast

Dr Aoibhin Hutchinson is a Consultant in Intensive Care Medicine and Anaesthesia, at the Royal Hospital in Belfast Health and Social Care Trust (BHSCT) Since her appointment in 2010, the majority of her clinical role has been delivered as an intensivist in the Regional ICU in Belfast, and in addition neuro-anaesthesia and thoracic anaesthesia. The Regional ICU is a tertiary-level critical care unit in the trauma centre for the region.
She has had an interest in patient safety throughout her training which has continued as a Consultant. She is now the Divisional lead for patient safety and governance. She leads a team of 7 consultants, who are patient safety and governance leads, across anaesthesia and critical care in BHSCT. She has been the Faculty Tutor for ICM in the Royal and is an examiner for EDIC and JFICMI in the College.

Dr Brian McCloskey - *Chair*
Director of Patient Safety and Quality Improvement, CAI

Dr Brian McCloskey who took up his CAI role on July 1, 2022, has served as Clinical Director, Critical Care Services, and Consultant in Anaesthetics & Intensive Care Medicine at the Belfast Health and Social Care Trust where he has led the rollout of an extensive Quality Improvement education programme. Dr McCloskey has long been seen as an effective patient safety advocate across Northern Ireland.

SPEAKERS

Dr Marie Ward - *Speaker*

PhD, Centre of Innovation Systems, TCD

Marie E. Ward is an embedded Health Systems researcher at St James's Hospital Dublin where she is engaged in a programme of health systems research and improvement. Marie holds a PhD in Psychology Human Factors and is an Adjunct Assistant Professor at TCD's multidisciplinary Centre for Innovative Human Systems which engages in Human Factors research and consultancy with all industries to improve human well-being and system performance. Marie is a lecturer on the Masters in Managing Risk and System Change (TCD) and the Master's in Human Factors in Patient Safety (RCSI); Chairperson of the Irish Human Factors and Ergonomics Society; a member of the Chartered Institute of Ergonomics and Human Factors (UK) special interest group on AI in healthcare. Her research interests include how to enable patient and staff safety and well-being from a systems perspective and co-designing new systems from a socio-technical perspective.

Prof Donal Buggy - *Chair*

Professor of Anaesthesiology & Perioperative Medicine, Mater Misericordiae University Hospital, School of Medicine, University College Dublin, Ireland.

Consultant in Anaesthesiology and perioperative Medicine,
Mater Misericordiae University Hospital & Mater Private Hospital, Dublin.
Vice President, College of Anaesthesiology of Ireland.

Dr Russell Perkins - *Speaker*

Consultant Paediatric Anaesthetist

Dr Russell Perkins has been a Consultant Paediatric Anaesthetist in Manchester for 25 years and a proud Fellow of the Royal College for 30 years. He has served as a College Tutor, Examiner, Deputy and Regional Adviser.
Russell is Vice-President of the RCoA's and chair of the Anaesthesia Clinical Services Accreditation (ACSA) committee. He is also a member of other groups at the College, including the SAS Committee, Finance and Resources Board and the Equality, Diversity, and Inclusion Committee. He is a trustee of the College.
As a paediatric anaesthetist on the RCoA Council, he is a co-opted representative to the Association of Paediatric Anaesthetists of Great Britain (APAGBI), a role which he enjoys and sees as one of his core responsibilities. Russell aims to ensure anaesthetic care of children is embedded in all activities at the RCOA and champions our training as being fit for purpose for all those working in the NHS in the years to come.
Russell is also the Clinical Director of the Department of Anaesthesia at Royal Manchester Children's Hospital.

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WINTER COLLEGE LECTURE 2023

Presented by Prof Jeffrey Cooper

Professor of Anaesthesia, Harvard Medical School

Prof Jeffrey B. Cooper, Ph.D.

Jeffrey B. Cooper, Ph.D. is Professor Emeritus of Anaesthesia at Harvard Medical School and Massachusetts General Hospital. He is the founder, Executive Director Emeritus, and Senior Fellow of the Center for Medical Simulation in Boston.

Dr. Cooper is one of the pioneers in patient safety. He did landmark research in medical errors in the 1970s and is a co-founder of the Anesthesia Patient Safety Foundation (APSF). He was for many years Director of Biomedical Engineering at the Massachusetts General Hospital and then Partners Healthcare System. He is the author or co-author of over 150 peer-reviewed articles and book chapters.

Dr. Cooper has been awarded several honors for his work in patient safety, including the John M. Eisenberg Award for Lifetime Achievement in Patient Safety from the National Quality Forum and the Joint Commission and the Lifetime Achievement Award from the American Academy of Clinical Engineering. He received the Distinguished Service Award of the American Society of Anesthesiologists in 2013, the only non-MD to receive the honor. He is one of the first two members of the Hall of Fame of the American College of Clinical Engineering and is among the inaugural fellows of the Academy of the Society for Simulation in Healthcare. In his personal life, he is an equestrian, an avid Argentinian tango dancer, and dabbles in haiku and poetry.

CLOSING CEREMONY

Prof George Shorten

President, College of Anaethesiologists of Ireland

George Shorten FRCA, FFARCS(I), DABA, MD, PhD, DSc.

• Professor of Anaesthesia and Intensive Care Medicine and Foundation Director of the ASSERT Centre at University College Cork, Ireland (https://www.ucc.ie/en/assert/).

• President of the College of Anaesthesiologists in Ireland. Formerly Dean, the School of Medicine University College Cork (2010-13) and Assistant Professor of Anesthesiology at Harvard Medical School, appointed the first Professor of Anaesthesia and Intensive Care Medicine at UCC, Ireland in 1997.

• Was co-ordinating applicant for the Irish Health Research Board infrastructure grant which established UCC's Clinical Research Facility (https://www.ucc.ie/en/crfc/).

• Appointed consultant anaesthetist at Cork University Hospital (1997), Honorary Consultant to the South Infirmary and Victoria Hospitals (1998), and Honorary President of the Irish Association of Anaesthetic and Recovery Nurses (2002).

• Has served on many national and international research and education bodies including as chair of the Education Committee of the European Pain Federation, of the Irish Universities and Medical Schools Consortium and of the Council of Deans of Medical Schools in Ireland. Reviewer and consultant for the U.S. Department of Health, Ministerial appointment to the European Medicines Agency (and co-chair during Ireland's Presidency in 2004).

• Various awards including eponymous and keynote Lectures, UCC inaugural Lifetime Achievement award for Teaching and Learning (2018).

• Research interests include human performance in healthcare and innovative training in technical skills.

• PI or co-investigator for peer review research grants of total value > EU 15M.

• Author of more than 200 articles for peer review journals.

• Member of the editorial board of four peer-reviewed medical journals.

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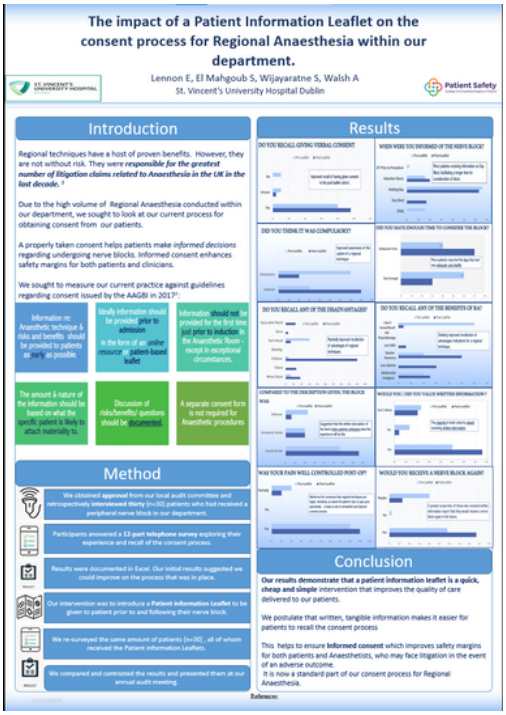
POSTER ELEVATOR PITCH

Dr Frances Fallon

Empowering patients in safer obstetric anaesthesia care using a Regional Anaesthesia Alert Bracelet

Dr Emma Lennon

The Impact of a Patient Information Leaflet on the consent process for Regional Anaesthesia in our department



Dr Orlagh O'Brien

Audit of drug preparation and syringe labelling practices in dept of anaesthesia

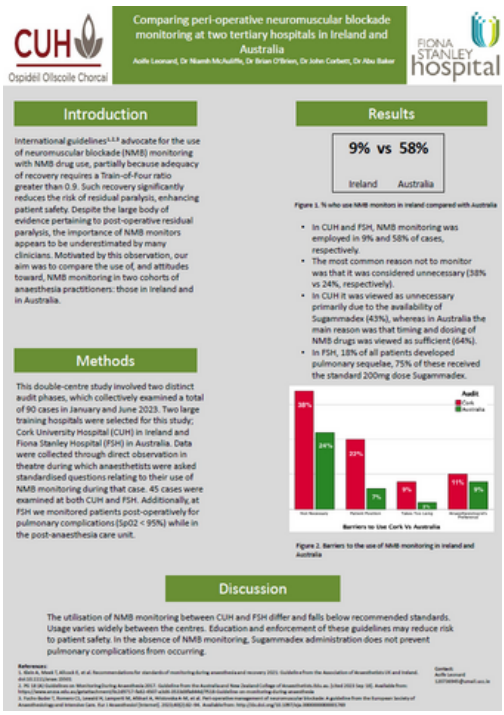
Dr Ahmed Mhoi

Use of a visual checklist to improve emergency cricothyroidotomy performance among Anaesthesiologist

POSTER ELEVATOR PITCH

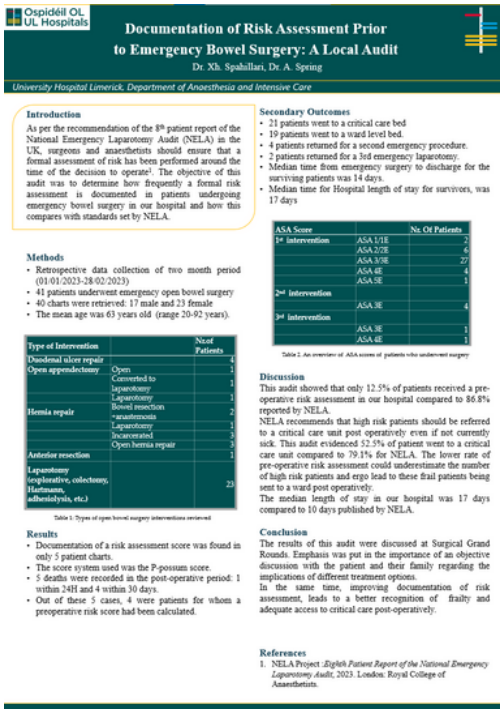
Dr Aoife Leonard

Comparing peri-operative neuromuscular blockade monitoring at two tertiary hospitals in Ireland and Australia



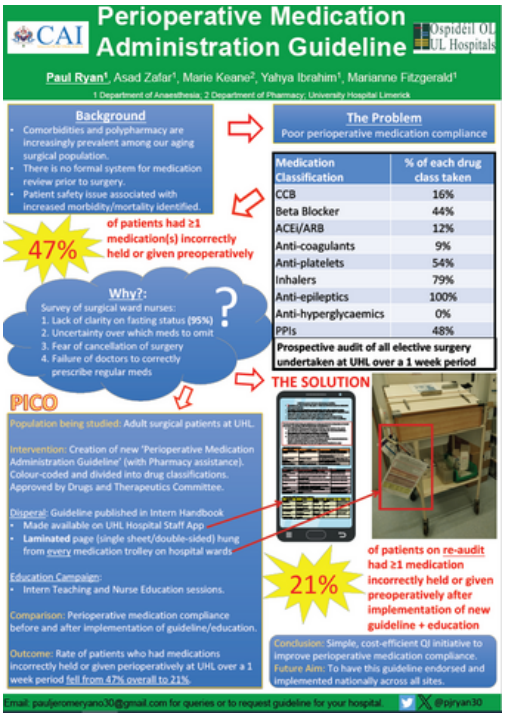
Dr Xhejni Spahillari

Documentation of Risk Assessment Prior to Emergency Bowel Surgery A Local Audit



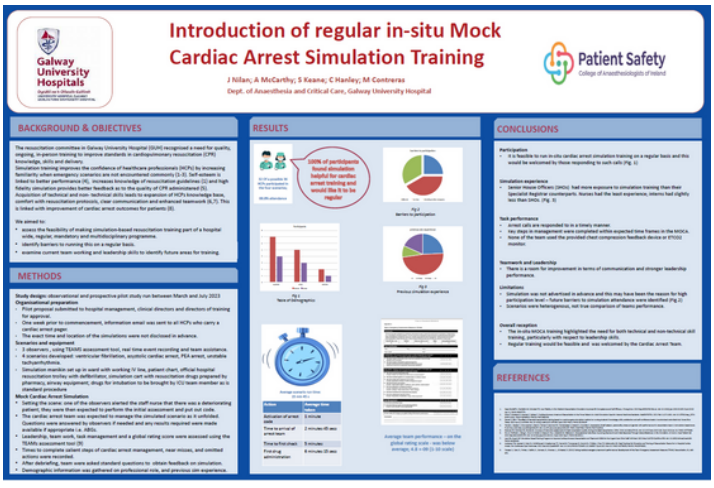
Dr Paul Ryan

Perioperative Medication Administration A Service Evaluation and Quality Improvement Project



Jemima Nilan

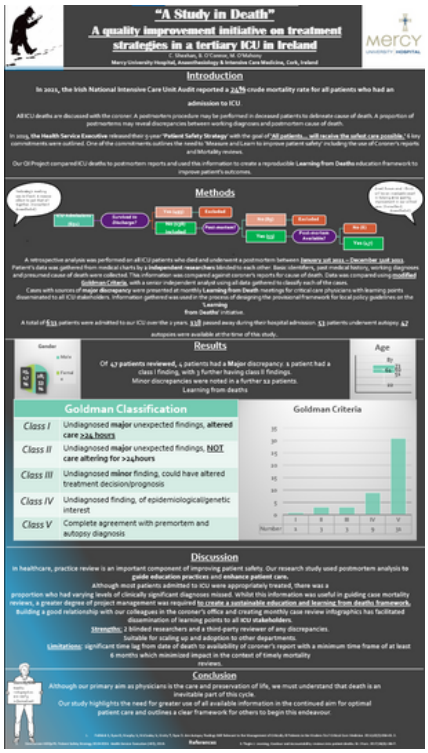
Introduction of a Regular in situ Mock Cardiac Arrest (MOCA) Training in Galway University Hospital



POSTER ELEVATOR PITCH

Dr Ciaran Sheehan

A Study in Death"- A quality improvement initiative on treatment strategies in a tertiary ICU in Ireland



Dr Declan McDonnell

Enhancing Patient Safety in Prone Surgical Procedures. A Multidisciplinary Approach and Comprehensive Checklist for Mitigating Immediate an

Dr Orlagh O'Brien

Facial Hair and Beards in Anaesthesia Understanding Attitudes Towards Safety and Empowering Patients

Dr Sean Boyd

Simulating high-fidelity transfer of the critically ill obstetric patient; evaluating a handover communication tool to improve patient care."

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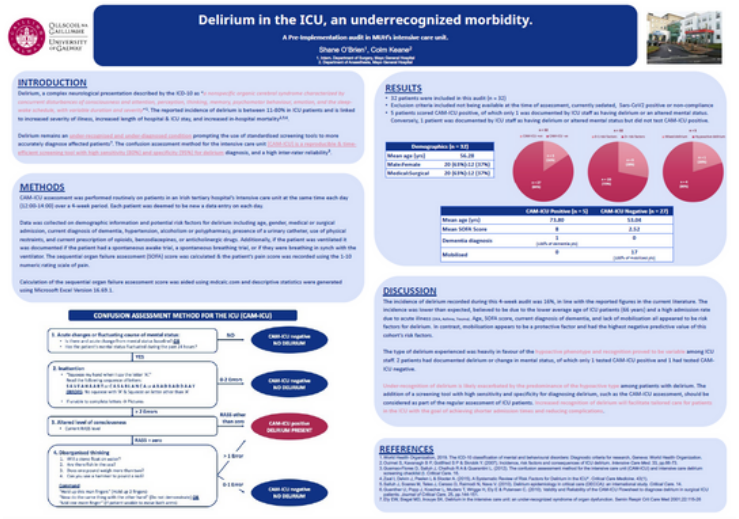
POSTER PRESENTATIONS

ICU

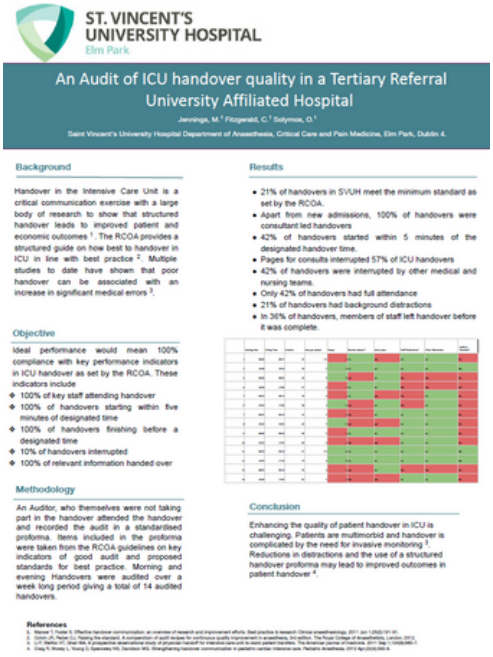
Dr Shane O'Brien

Delirium in the ICU, an underrecognized morbidity



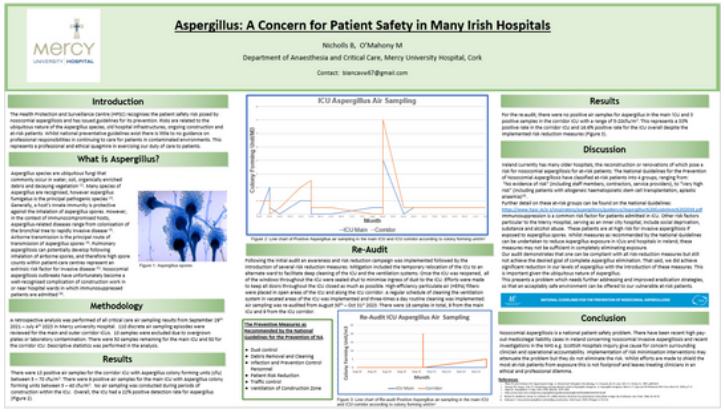
Dr Meave Egan

ICU Handover Evaluation Enhancing Patient Care through Comprehensive Assessment



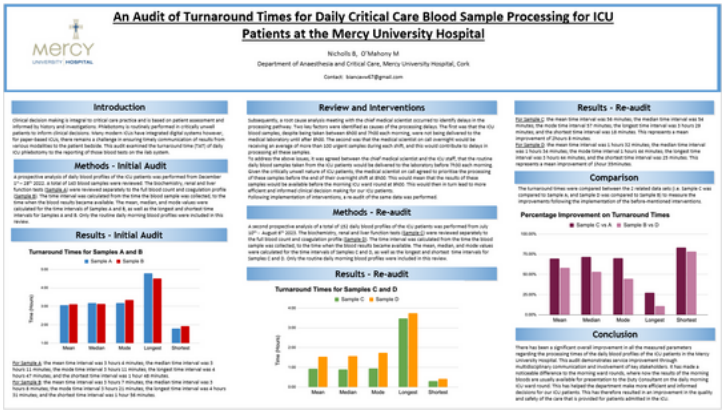
Dr Bianca Nicholls

A Concern for Patient Safety in many Irish Hospitals



Dr Bianca Nicholls

An Audit of Turnaround Times for Daily Critical Care Blood Sample Processing for ICU patients at the Mercy University Hospital



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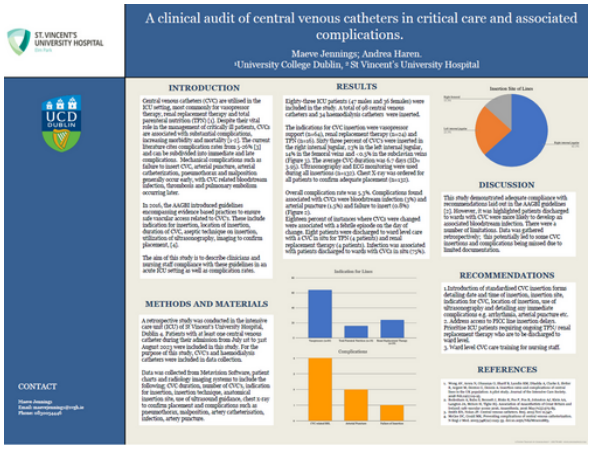
POSTER PRESENTATIONS

ICU

Dr Meave Egan

A clinical audit of central venous catheters in the critical care settings



Dr Claire Healy

Use of methylene blue in refractory shock due to metformin overdose

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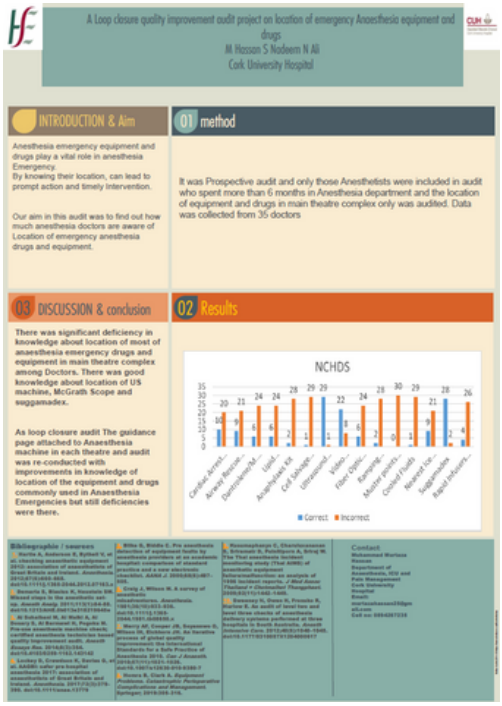
POSTER PRESENTATIONS

Medication Safety

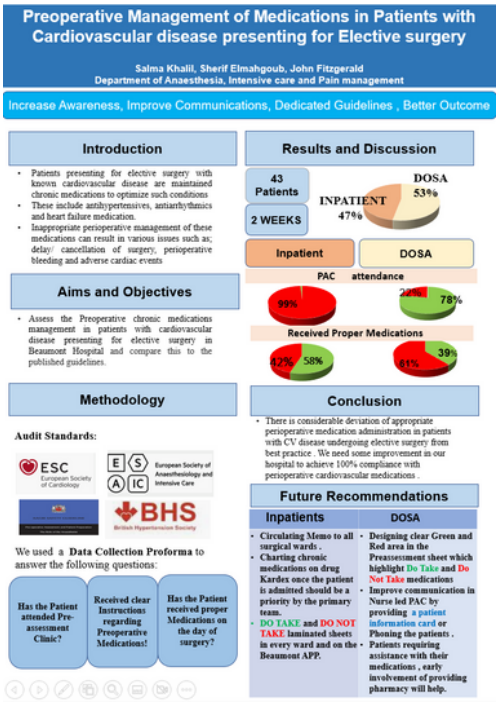
Dr Murtaza Hassan

A Loop closure quality improvement audit project on location of emergency Anaesthesia equipment and drugs



Dr Salma Selim

Preoperative medications management for patients with Cardiovascular diseases presenting for elective surgery



Dr Siuan Mannion

Surgical Antibiotic Prophylaxis 2022 a review of adherence to local prescribing policy

Dr Megan McEnery

Do "opioid prescription stickers" enhance prescribing compliance with HSE Guidelines A Quality Improvement Project

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POSTER PRESENTATIONS

Medication Safety

Dr Jane Creech

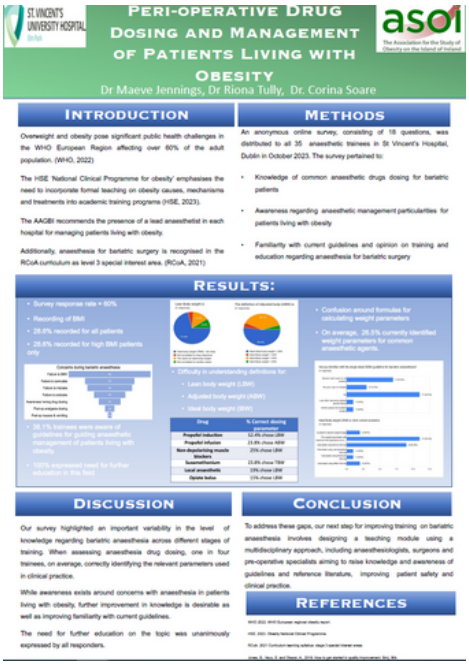
Patient awareness of medications in the outpatient & perioperative setting

Dr Niamh Ni Leathlobhair

Safe Sex after Sugammadex - Creation of a National Patient Information Leaflet

Dr Meave Jennings

Perioperative drug dosing and Management of Patients Living with Obesity



POSTER PRESENTATIONS

Paediatric Safety & Neuro Muscular Blockade

Dr Jill Creman

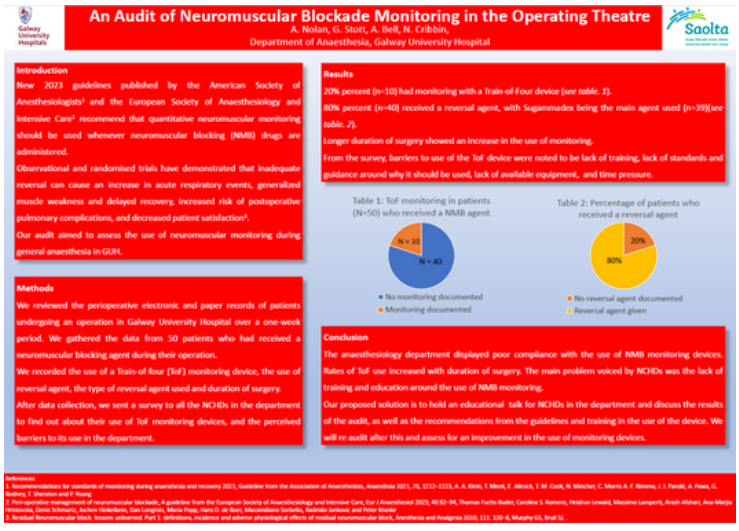
Re-audit An auditsurvey of parental satisfaction; preoperative information, role and presence during induction of anaesthesia, and overall

Dr Adil Sher

Throat Pack Checklist in Paediatrics Theatre at Tallght University Hospital A Multidisciplinary Approach

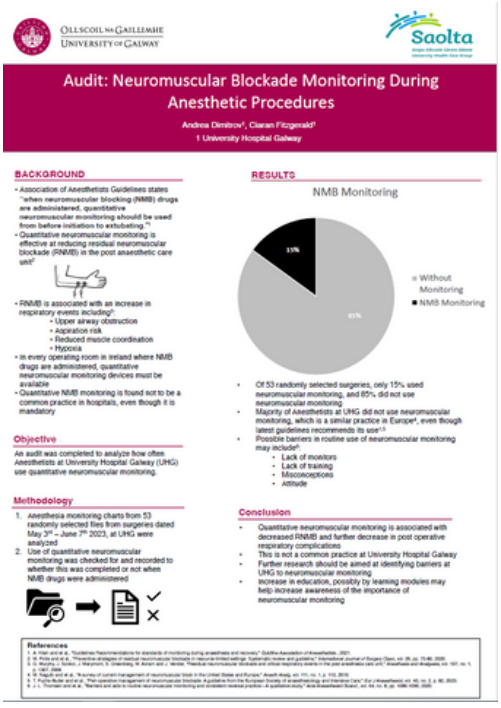
Dr Aisling Nolan

An Audit of Neuromuscular Blockade Monitoring in the Operating Theatre



Dr Andrea Dimitrov

Monitoring Neuromuscular Blockade During Anesthetic Procedures

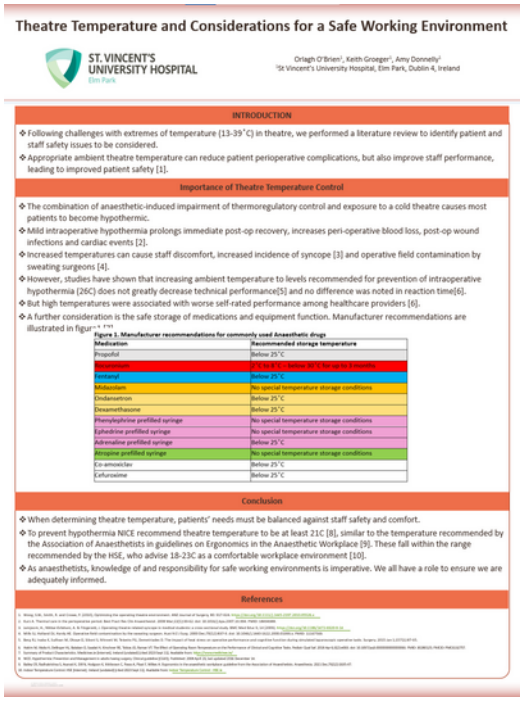


POSTER PRESENTATIONS

Theatre

Dr Orlagh O'Brien

Theatre Temperature and Considerations for a Safe Working Environment

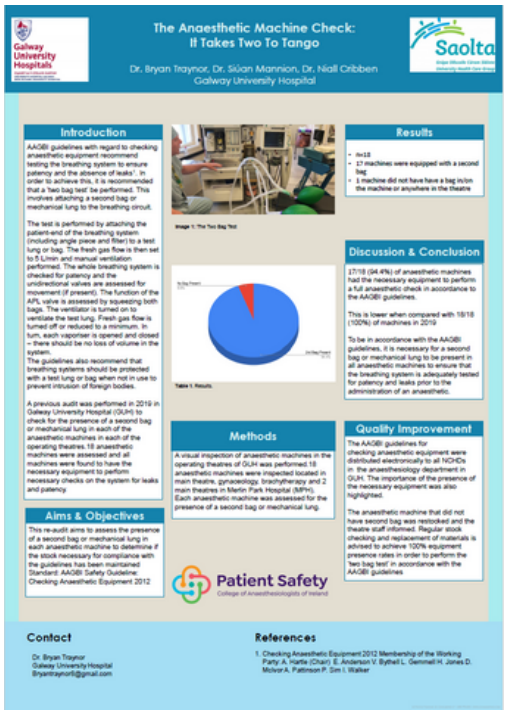


Dr Kevin Zhou

Use of Spectral Entropy; Another Variable to the Depth of Anaesthesia

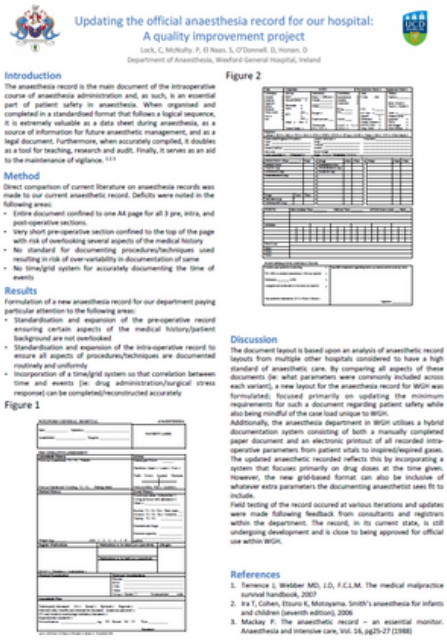
Dr Bryan Traynor

The Anaesthetic Machine Check It Takes Two To Tango



Dr Chris Lock

Updating the official anaesthesia record for our hospital A quality improvement project



POSTER PRESENTATIONS

Obstetrics

Dr Cathy Maher

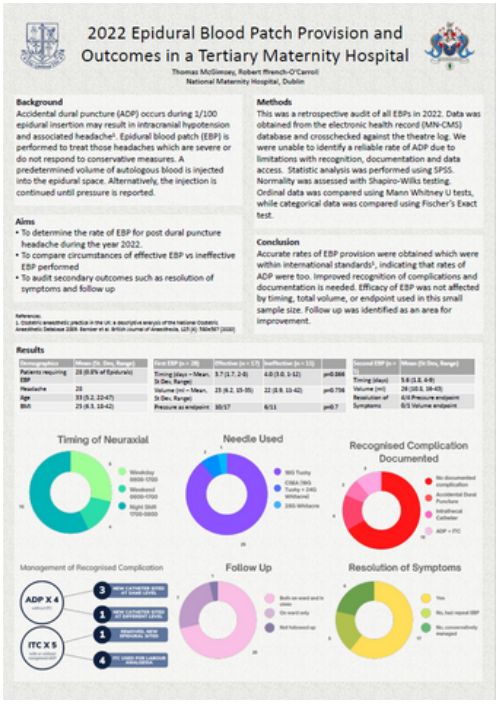
Reducing Risks of Major Haemorrhage in Obstetric Patients

Dr Ciara Crotty

A Pain in the Head" – Post-Dural Puncture Headache Documentation in a Maternity Hospital with Electronic Health Records

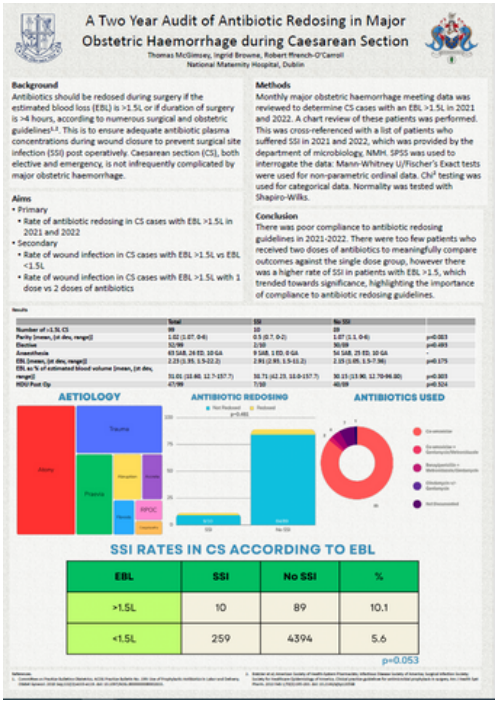
Dr Tommy McGimsey

2022 Epidural Blood Patch Provision and Outcomes in a Tertiary Maternity Hospital



Dr Tommy McGimsey

A Two Year Audit of Antibiotic Redosing in Major Obstetric Haemorrhage during Caesarean Section

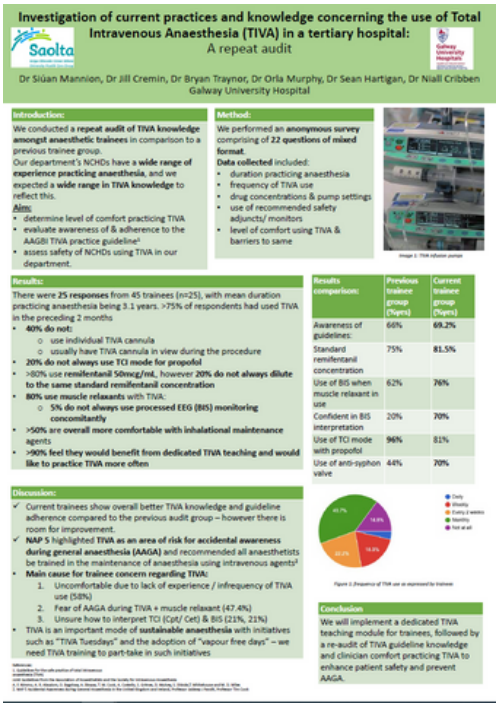


POSTER PRESENTATIONS

TIVA

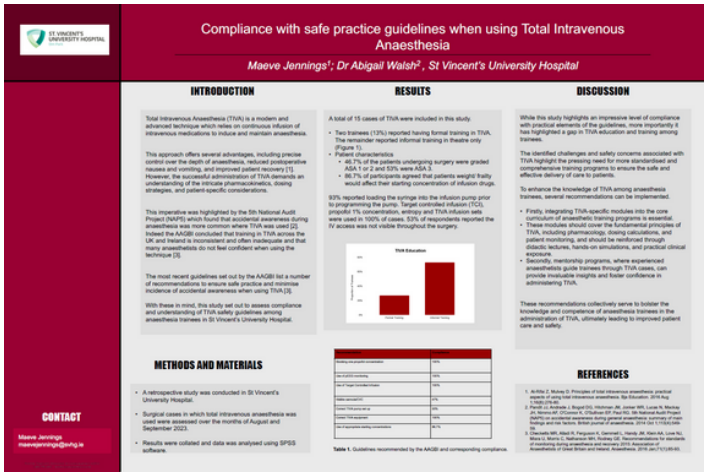
Dr Siuan Mannion

Investigation of current practices and knowledge concerning the use of Total Intravenous Anaesthesia (TIVA) in a tertiary hospital



Dr Meave Jennings

Compliance with safe practice guidelines when using TIVA; a clinical audit



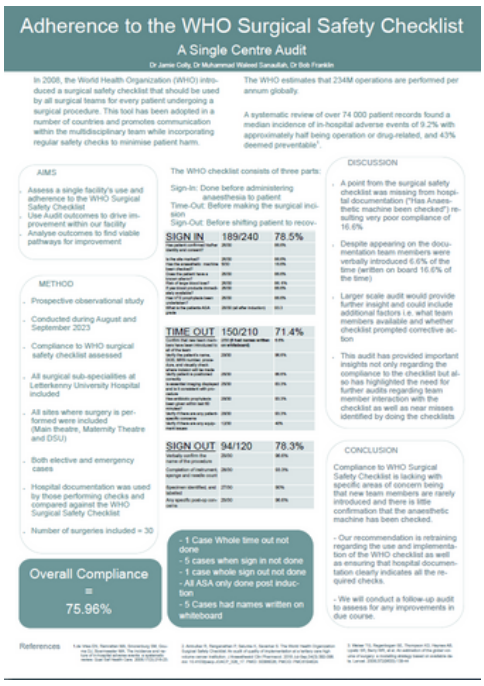
Safety Culture

Dr Bryan Trainer

The Anaesthetic Emergency Manual A Cognitive Aid For Patient Safety

Dr James Colly

An audit on the adherence to the WHO Surgical Safety Checklist



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POSTER PRESENTATIONS

Peri-operative

Dr Murtaza Hassan

A loop closure Audit on QUALITY of Handover for Patient care to the Post-Anesthetic Care Unit (PACU)

Dr Gavin O'Connor

Assessment of Pre-, Peri-, and Post-Surgical Practices for Colorectal Patients in an Acute Hospital Setting

Dr Jane O'Sullivan

Red Cell Distribution Width (RDW) A Single-Centre, 5-Year Retrospective Study Investigating The Prognostic Role of Preoperative RDW For 1

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POSTER PRESENTATIONS

Regional

Dr Stephen Boulin

Hip To Be Square - A Re-Audit Of Hip Fracture Management in SVUH

Hip To Be Square – A Re-Audit Of Hip Fracture Management in SVUH

S Blouin, E Lennon, R Sweeney, T Smeaton, S Davis, A Walsh -St Vincent's University Hospital, Elm Park, Dublin 4

Introduction:

The AAGBI introduced new recommendations regarding the anaesthetic management of hip fracture patients in December 2020[1]. In August 2021 St Vincent's University Hospital conducted an audit of its management of these patients. It suggested reducing the dose of spinal anaesthetics (SA), administering femoral nerve blocks (FNBs) and avoiding multiple sedatives during these cases. Teaching was carried out on these guidelines. A follow-up audit done in March/April 2022 showed decreasing doses for SA, more FNBs and reduced sedation use[2]. We present here the latest re-audit conducted in 2023.

Methods: Data was gathered prospectively on patients undergoing hip fracture surgery with a standardised form in a timespan that went from May to November 2023. All periprosthetic fractures and re-do hip operations were excluded.

Results: 35 patients were included in the audit. The average duration of surgery was 80 minutes and average estimated blood loss was 177 ml. 24/35 (68.5%) patients had no pre-operative risk assessment documented (such as 4AT or Nottingham Hip Fracture Score). 30/35 patients received 1g of Tranexamic Acid in concordance with hospital guidelines. No patients required a blood transfusion, 1/35 required admission to CCU post-operatively, all other patients were transferred to a surgical ward. The results are summarised in the graphs below.

Mode Of Anaesthesia

Spinal Bupivacaine Dosing

Nerve Blocks

Sedation AprilF22

Sedation May - Nov'23

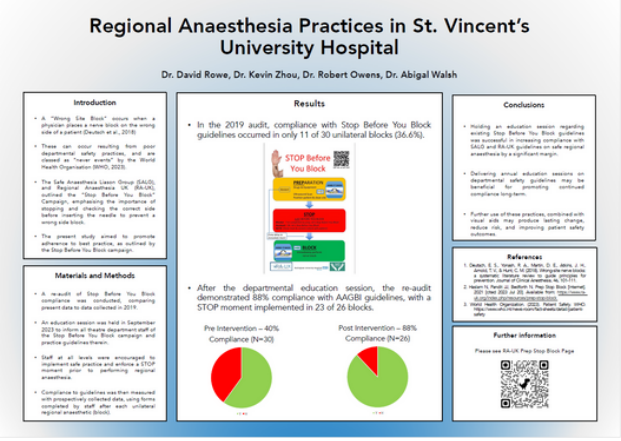
Conclusion:

This audit highlights the ongoing improvement of use of nerve blocks and low dose/single agent sedation for hip fracture patients in SVUH.

While it shows the average dose of local anaesthetics in spinals increasing, it is still lower than in 2021. This suggests that the educational sessions carried out 1.5 years ago are still guiding current practice. There remains some room for improvement with regards to pre-operative risk assessments as most cases had none documented. These risk assessments could help guide intraoperative patient care, inform as to the most appropriate discharge location and help improve patient safety.

Dr David Rowe

Audit of Regional Anaesthesia Practices in St. Vincent's University Hospital



Regional Anaesthesia Practices in St. Vincent's University Hospital

Dr. David Rowe, Dr. Kevin Zhou, Dr. Robert Owens, Dr. Abigal Walsh

Introduction

- A "Wrong Site Block" occurs when a physician places a nerve block on the wrong side of a patient (Deutsch et al., 2018).
- These can occur resulting from poor departmental safety practices, and are classed as "never events" by the World Health Organisation (WHO, 2023).
- The Safe Anaesthesia Liason Group (SALG) and Regional Anaesthesia UK (RA-UK), outlined the "Stop Before You Block" Campaign, emphasising the importance of stopping and checking the correct side before inserting the needle to prevent a wrong side block.
- The present study aimed to promote adherence to best practice, as outlined by the Stop Before You Block campaign.

Materials and Methods

- A re-audit of Stop Before You Block compliance was conducted, comparing present data to data collected in 2019.
- An education session was held in September 2023 to inform all theatre department staff of the Stop Before You Block campaign and practice guidelines therein.
- Staff at all levels were encouraged to implement safe practice and enforce a STOP moment prior to performing regional anaesthesia.
- Compliance to guidelines was then measured with prospectively collected data, using forms completed by staff after each unilateral regional anaesthetic (block).

Results

- In the 2019 audit, compliance with Stop Before You Block guidelines occurred in only 11 of 30 unilateral blocks (36.6%).

STOP Before You Block

- After the departmental education session, the re-audit demonstrated 88% compliance with AAGBI guidelines, with a STOP moment implemented in 23 of 26 blocks.

Pre Intervention – 40% Compliance (N=30)

Post Intervention – 88% Compliance (N=26)

Conclusions

- Holding an education session regarding existing Stop Before You Block guidelines was successful in increasing compliance with SALG and RA-UK guidelines on safe regional anaesthesia by a significant margin.
- Delivering annual education sessions on departmental safety guidelines may be beneficial for promoting continued compliance long-term.
- Further use of these practices, combined with visual aids may produce lasting change, reduce risk, and improving patient safety outcomes.

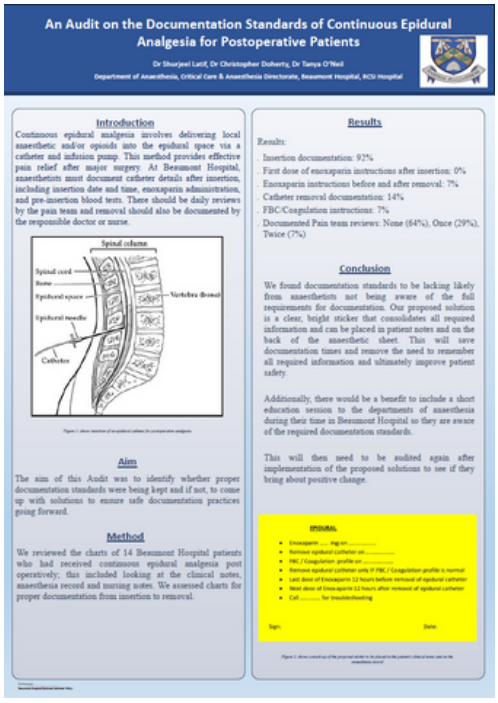
References

Further information

Please see RA-UK Prep Stop Block Page

Dr Christopher Doherty

An audit on the documentation standards of continuous epidural analgesia for post operative patients



An Audit on the Documentation Standards of Continuous Epidural Analgesia for Postoperative Patients

Dr Shurjeel Latif, Dr Christopher Doherty, Dr Tanya O'Neil

Department of Anaesthesia, Critical Care & Anaesthesia Directorate, Beaumont Hospital, RCSI Hospital

Introduction

Continuous epidural analgesia involves delivering local anaesthetic and/or opioids into the epidural space via a catheter and infusion pump. This method provides effective pain relief after major surgery. At Beaumont Hospital, anaesthetists must document catheter details after insertion, including insertion date and time, enoxaparin administration, and pre-insertion blood tests. There should be daily reviews by the pain team and removal should also be documented by the responsible doctor or nurse.

Spinal column

Spinal cord

Bone

Epidural space

Epidural needle

Catheter

Vertebra (front)

Aim

The aim of this Audit was to identify whether proper documentation standards were being kept and if not, to come up with solutions to ensure safe documentation practices going forward.

Method

We reviewed the charts of 14 Beaumont Hospital patients who had received continuous epidural analgesia post operatively; this included looking at the clinical notes, anaesthesia record and nursing notes. We assessed charts for proper documentation from insertion to removal.

Results

Results:

Insertion documentation: 92%

First dose of enoxaparin instructions after insertion: 0%

Enoxaparin instructions before and after removal: 7%

Catheter removal documentation: 14%

FBC/Coagulation instructions: 7%

Documented Pain team reviews: None (64%), Once (29%), Twice (7%)

Conclusion

We found documentation standards to be lacking likely from anaesthetists not being aware of the full requirements for documentation. Our proposed solution is a clear, bright sticker that consolidates all required information and can be placed in patient notes and on the back of the anaesthetic sheet. This will save documentation times and remove the need to remember all required information and ultimately improve patient safety.

Additionally, there would be a benefit to include a short education session to the departments of anaesthesia during their time in Beaumont Hospital so they are aware of the required documentation standards.

This will then need to be audited again after implementation of the proposed solutions to see if they bring about positive change.

EPIDURAL

- Enoxaparin ..... mg on .....
- Remove epidural catheter on .....
- FBC / Coagulation profile on .....
- Remove epidural catheter only if FBC / Coagulation profile is normal
- Last dose of Enoxaparin 12 hours before removal of epidural catheter
- Next dose of Enoxaparin 12 hours after removal of epidural catheter
- Call ..... for troubleshooting

Sign: Date:

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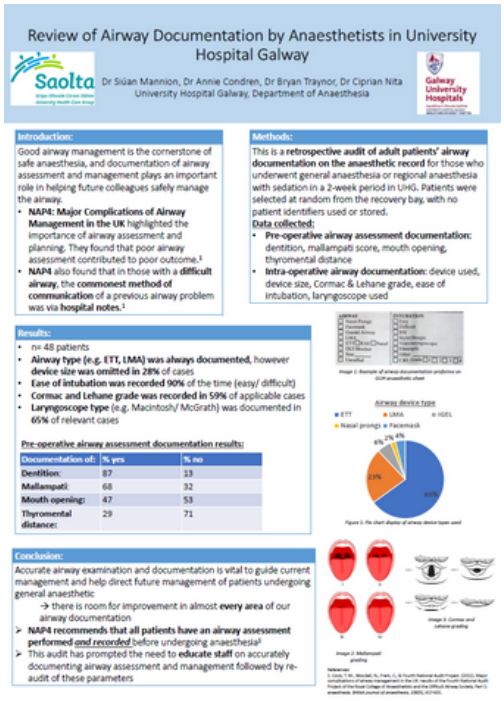
POSTER PRESENTATIONS

Airways Safety

Dr Siuan Mannion

Review of airway documentation by anaesthetists in University Hospital Galway

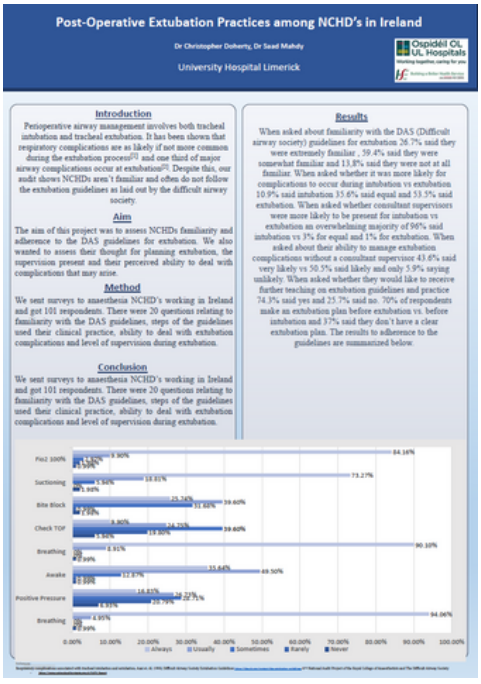


Dr Peter O'Sullivan

The Management of Post-Operative Cervical Haematoma at Galway University Hospital

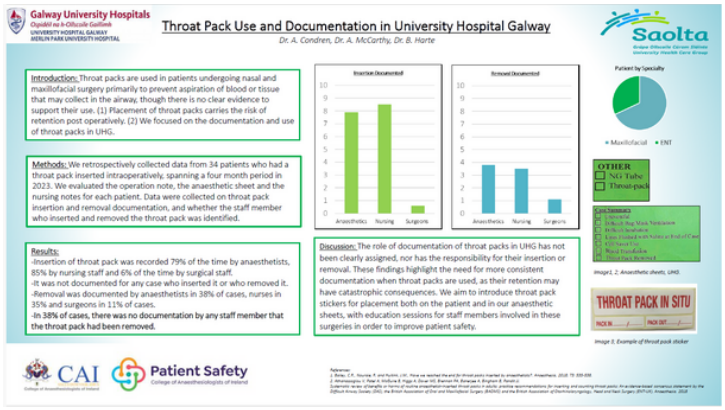
Dr Christopher Doherty

Post operative extubation practices among non-consultant hospital doctors in Ireland



Dr Annie Condren

Throat Pack Use and Documentation at Galway University Hospital



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CAI Annual Scientific Meeting 2024