Anesthesiology Research Projects

Multidisciplinary Cardiac Surgery Communication Tool
Principal Investigator: Dr. Mojca Konia

Intraoperative hand-offs
Principal Investigator: Dr. Mojca Konia

Peri-operative medication administration check-list
Principal Investigator: Dr. Joyce Wahr

Meta-analysis of blood transfusion in spine surgery
Principal Investigator: Dr. Chandra Castro

Development of multi-disciplinary TEE/TTE curriculum for fellows and residents
Principal Investigator: Dr. Mojca Konia

Development of comprehensive curriculum of cardiopulmonary bypass catastrophies
Principal Investigator: Dr. Mojca Konia

Association between fluid administration intra-operatively and patient outcome at our institution
Principal Investigator: Dr. Monica Lupei

Steroid Use for PONV and Postoperative Infection Rate in Radical Mastectomies
Principal Investigator: Dr. Elif Cingi

Anesthetic Management and Outcome in Peroxisomal Disease
Principal Investigator: Dr. Elif Cingi

Incidence And Severity Of Intraoperative Bradycardia & Hypotension In Diabetic Patients During Organ Transplantation Under General Anesthesia
Principal Investigator: Dr. Ioanna Apostolidou

Implementation of a Rapid Recovery Program in Gynecologic Oncology Surgery: A Pilot Study
Principal Investigator: Dr. Peter Argenta

Retrospective review of interscalene with liposomal bupivacaine for shoulder surgery
Principal Investigator: Dr. Jacob Hutchins

Paravertebral Catheters: Improvement of Pain Control in Pediatric Total Pancreatectomy and Islet Autotransplant Recipients : A Retrospective Cohort Trial
Principal Investigator: Dr. Jacob Hutchins
Retrospective Review of Adductor Canal block with liposomal bupivacaine in total knee arthroplasty
Principal Investigator: Dr. Jacob Hutchins

The Analgesic efficacy of paravertebral blocks with liposomal bupivacaine for breast surgery: A retrospective cohort study
Principal Investigator: Dr. Jacob Hutchins

A Cohort Perioperative Review Of Children Following Pectus (Chest Wall Deformity) Repair
Principal Investigator: Dr. Kumar Belani

Post-operative pain control with Transversus Abdominis Plane blocks with Exparel versus IV Opioids in Donor Nephrectomy Patients: A Retrospective Cohort Study
Principal Investigator: Dr. Jacob Hutchins

Evaluation of the Pharmacokinetics and Safety of Local Administration of EXPEREL in Subjects Undergoing Spinal Block with Bupivacaine HCl for Unilateral Total Knee Arthroplasty
Principal Investigator: Dr. Jacob Hutchins

Ultrasound Guided Transversus Abdominis Plane (TAP) Infiltration in Patients Undergoing Transcatheter Aortic Valve Implantation (TAVI) Procedures
Principal Investigator: Dr. Jacob Hutchins

Transversus Abdominis Plane (TAP) versus Epidural for Post-operative Pain in Open Hysterectomy Patients: A retrospective cohort study
Principal Investigator: Dr. Jacob Hutchins

Efficacy of transversus abdominis plane block in promoting recovery after laparoscopic bariatric surgery
Principal Investigator: Dr. Rohini Khatri

Paravertebral Catheter Use for Postoperative Pain Control in Patients after Lung Transplant Surgery: A Prospective Observational Study
Principal Investigator: Dr. Jacob Hutchins

Ultrasound-Guided Transversus Adbdominis Plane (TAP) Block Versus Epidural Analgesia In Females Undergoing Open Hysterectomy Procedures
Principal Investigator: Dr. Jacob Hutchins

Retrospective review of Transversus Abdominis Plan (TAP) block for Transcatheter Aortic Valve Implantation (TAVI) procedure
Principal Investigator: Dr. Jacob Hutchins
Ultrasound guided paravertebral catheters for post-operative pain relief in pediatric thoracoscopic surgery
Principal Investigator: Dr. Jacob Hutchins

Ultrasound Guided Transversus Abdominis Plane (TAP) Infiltration with EXPAREL versus Bupivacaine in Patients Undergoing Hand-Assisted and Laparoscopic Colorectal Procedures
Principal Investigator: Dr. Jacob Hutchins

Ultrasound Guided Subcostal Transversus Abdominis Plane (TAP) Infiltration with EXPAREL for Patients Undergoing Davinci Assisted Total Abdominal Hysterectomy
Principal Investigator: Dr. Jacob Hutchins

Ultrasound guided bilateral paravertebral catheters versus thoracic epidural analgesia for post-operative pain control in Open Pancreatic Surgery: A Prospective Outcomes Study
Principal Investigator: Dr. Jacob Hutchins

Ultrasound guided paravertebral catheter versus patient controlled analgesia for post-operative pain control in Video Assisted Thoracoscopic Surgery: A Prospective Outcomes Study
Principal Investigator: Dr. Jacob Hutchins

Subcostal TAP block with Exparel vs Bupivacaine in Donor Nephrectomy patients: A prospective randomized study
Principal Investigator: Dr. Jacob Hutchins

Antidote reversal studies in mice
Principal Investigator: Dr. Kumar Belani

Liposomal versus non-liposomal bupivacaine – Comparison of toxicity and its reversal in a rabbit model
Principal Investigator: Dr. Jacob Hutchins

Evaluation of Perioperative data in the super obese patients
Principal Investigator: Dr. David Beebe

Comparison of normal readings and repeatability across skin colors
Principal Investigator: Dr. Kumar Belani

Operational analysis of pediatric sedation unit at Amplatz Children’s Hospital
Principal Investigator: Dr. Kumar Belani

Countermeasures against Chemical Threats: Countermeasures against Cyanide (optimal dose study in rabbits)
Principal Investigator: Dr. Kumar Belani
Countermeasures against Chemical Threats: Countermeasures against Cyanide (pharmacokinetic study)
Principal Investigator: Dr. Kumar Belani

Anesthetic management and outcome of patients with Epidermolysis Bullosa
Principal Investigator: Dr. David Beebe

Anesthetic management of children undergoing auto islet cell transplant
Principal Investigator: Dr. David Beebe

Open vs. Laparoscopic Congenital Pyloric Stenosis and Factors Influencing outcome
Principal Investigator: Dr. David Beebe

Development of an antidote for cyanide toxicity
Principal Investigator: Dr. Steven Patterson

Investigation of anesthetic management of children undergoing pancreatectomy and auto-islet cell transplantation
Principal Investigator: Dr. David Beebe

Investigation of anesthetic management of patients with epidermolysis bullosa undergoing bone marrow transplantation
Principal Investigator: Dr. David Beebe

Investigation of tracheal occlusion device to raise blood pressure in hypotensive adults undergoing anesthesia
Principal Investigator: Dr. Martin Birch

Anesthetic management and respiratory complications of patients with San Fallipo Syndrome
Principal Investigator: Dr. Elif Cingi

Evaluating the use of TTE for helping evaluate and guide management for hemodynamic instability in PACU patients
Principal Investigator: Dr. Megan Lanigan

Evaluation of the Role of the Focused Assessed Transthoracic Echo (FATE) Exam in the Assessment and Management of Perioperative Patients
Principal Investigator: Dr. Megan Lanigan

Surveillance of peripheral neuropathies after cardiac surgery
Principal Investigator: Dr. Ioanna Apostolidou

Comparison of epsilon aminocaproic acid vs tranexamic acid during cardiac surgery in reducing postoperative bleeding and allogenic blood transfusion
Principal Investigator: Dr. Ioanna Apostolidou
Anesthetic outcomes of Minimally Invasive Mitral Valve surgery with and without regional block
Principal Investigator: Dr. Ioanna Apostolidou

Ultrasound Guided Transversus Abdominus Plan (TAP) Infiltration in Patients Undergoing Transcatheter Aortic Valve Implantation (TAVI) Procedures
Principal Investigator: Dr. Jacob Hutchins