Yale Anesthesiology Research News!

Here are some highlights from the past academic year. Whether in the OR, the laboratory, or at a biotech startup, our mission is to provide the highest standards of patient care, education, and medical research. For submissions in future newsletters, contact robert.schonberger@yale.edu.

Dr. Manuel Fontes expands the department’s sponsored clinical trials footprint.

Dr. Fontes has established Yale Anesthesiology as a participating center in several multicenter sponsored clinical trials. He has shepherded Yale’s involvement in several multicenter trials. Two of them were recently published in the New England Journal of Medicine (One regarding Levosimendan in cardiac surgery, and the second looking at transfusion thresholds in a similar population).

Dr. Aymen Alian receives two extramural grants to fund his research work.

Congratulations to Dr. Aymen Alian who has received funding from Xhale Assurance, Inc. to study the performance of their non-invasive proprietary monitors during simulated hypovolemic shock using Lower Body Negative Pressure. Dr. Alian has also received funding from MCIC (the YNHH Insurance Collaborative) to investigate postoperative respiratory depression following Cesarean Section. Dr. Alian is an Associate Professor and the Director of the Section of Obstetric Anesthesiology.

Recent Peer-Reviewed Publications (a sampler):

Lee LO; Bateman BT; Kheterpal S; Klumpner TT; Housey M; Aiz MF; Hand KW; MacEachern M; Goodier CG; Bernstein J; Bauer ME; Multicenter Perioperative Outcomes Group Investigators. Risk of Epidural Hematoma after Neuraxial Techniques in Thrombocytopenic Parturients: A Report from the Multicenter Perioperative Outcomes Group. Anesthesiology. 126(6):1053-1063, 2017 06.


Gruenbaum SE; Toscani L; Fomberstein KM; Ruskin KJ; Dai F; Qeva E; Rosa G; Meng L; Bilotta F. Severe Intraoperative Hyperglycemia Is Independently Associated With Postoperative Composite Infection After Craniotomy: An Observational Study. Anesthesia & Analgesia. 125(2):556-561, 2017 Aug.

Benveniste H; Lee H; Ding F; Sun Q; Al-Bizri E; Makaryus R; Probst S; Nedergaard M; Stein EA; Lu H. Anesthesia with Dexametomidine and Low-dose Isoflurane Increases Solute Transport via the Glymphatic Pathway in Rat Brain When Compared with High-dose Isoflurane. Anesthesiology. 127(6):976-988, 2017 Dec.

Residents... Are you interested in getting more involved with research projects?

Check out a list of 15 projects and PIs at the following url: https://medicine.yale.edu/anesthesiology/residency/research.aspx

Research Retreat.... Save the Date!! October 6, 2018

Dr. Nora D. Volkow MD, the Director of the NIH National Institute on Drug Abuse will be the guest speaker at our fall research retreat. To sign up, contact Jennifer.Visaggio@yale.edu