

Department of Anesthesia, Critical Care and Pain Medicine

Clinical & Education



Department of Anesthesia partners with the Simulation Center

We are pleased to announce that on Friday, September 29, 2023, The Center for Medical Simulation (CMS) entered into an agreement to merge with our **Beth Israel Anesthesia Foundation (BIAF)** of the **Harvard Medical Faculty Physicians** organization. As one of the original founders of CMS back in 1993, BIAF has a similar vision and shares the same values. We both believed that by working together, and with the addition of BIAF/HMFP resources, CMS will grow its reach, reputation, and mission exponentially. Dr. Shaz Shaefi will Chair the new Board of Directors. The Sim Center is located in the Charlestown Navy Yard, 100 First Avenue, Suite 400 in Boston.

***Vision:** Experiential healthcare learning that never puts a patient at risk.*

***Mission:** Using simulation to improve safety, quality and education in healthcare.*

CME Courses



Drs. Feroze Mahmood, Ruma Bose, Aidan Sharkey and Sohail Mahboob were co-Course Directors for the first Boston Structural Heart CME course held at HMS on August 11-13. The course, created for cardiac fellows and attendings, was a huge success with over 40 attendees and overwhelmingly positive feedback about the quality of teaching and the presentations. Future versions of the course will incorporate this feedback and expand on emerging topics in structural heart disease imaging.



Dr. Phil Hess, Executive Vice Chair of the BIDMC Dept. of Anesthesia, Critical Care and Pain Medicine, was the Course Director for the new course at HMS “Moderate Procedural Sedation,” on September 30th. The course reviewed current knowledge and practice for moderate sedation procedures for adults and children.

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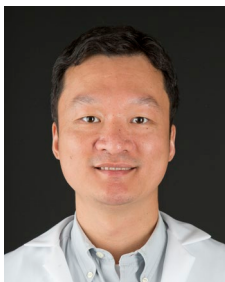
Research



New Study finds that reducing opioid administration during surgery may lead to more postoperative pain and opioid use for patients

A groundbreaking research paper, co-first authored by BIDMC Anesthesia Resident **Dr. Laura Santa Cruz Mercado, MD**, found that administering opioids such as fentanyl and hydromorphone during surgery is associated with a reduced likelihood of experiencing pain in the post-anesthesia care unit (PACU) and lower total opioid dosages needed during the hospital stay. Patients exposed to higher doses of fentanyl during surgery were also less likely to experience uncontrolled pain and new chronic pain diagnosis. The study, titled “*Association of Intraoperative Opioid Administration with Postoperative Pain and Opioid Use*,” appeared in the June 2023 issue of *JAMA Surgery*. The findings indicate efforts to reduce opioid use need to be carefully balanced with awareness that inadequate pain control during and after surgery could lead to suboptimal outcomes and later increased use of opioids.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10267849/>



New study links intraoperative phenylephrine use with higher incidence of postoperative delirium

A new study published online in *Anesthesiology* in September, 2023, first authored by **Dr. Haobo Ma** and senior-authored by **Dr. Maximilian Schaefer**, is the first to demonstrate that phenylephrine, a drug commonly used to control intraoperative hypotension, is associated with higher odds of postoperative delirium compared to ephedrine. The study entitled “*Intraoperative use of phenylephrine versus ephedrine and postoperative delirium: a multicenter retrospective cohort study*” produced findings that are important since delirium after surgery is associated with poor outcomes, including longer duration of hospital stay, long-term cognitive decline and a 1.5-fold higher risk of one-year mortality in these patients. Exposing risk factors associated with postoperative delirium is crucial to reduce the incidence of postoperative delirium.

<https://pubs.asahq.org/anesthesiology/article-abstract/doi/10.1097/ALN.0000000000004774/139174/intraoperative-use-of-phenylephrine-versus?redirectedFrom=fulltext>



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Events

**HMS CME Conference offered by the
Department of Anesthesia:
Consciousness: Science, Spirituality & Environment**

Thursday-Friday, October 26-27
[Register here.](#)


A Harvard Medical School Accredited CME Conference
in collaboration with the Department of Anesthesia, Critical Care and Pain Medicine at BIDMC

 **HARVARD
MEDICAL SCHOOL**

**CONSCIOUSNESS-
Science, Spirituality
& Social Impact**

October 26-27, 2023

 In Person or Live Virtual
CME credit available | Open to the public

Beth Israel Lahey Health 
Beth Israel Deaconess
Medical Center

TALKS BY EXPERTS:
Susan Bauer-Wu | Melanie Boly | Bernard Carr | Deepak Chopra
Richard Davidson | Ranjay Gulati | Donald Hoffman | Christof Koch
Rattan Lal | Helene Langevin | Steven Laureys | Emeran Mayer
Nipun Mehta | Aterah Nusrat | Sadhguru | and more!



**The Keynote Event will take place on Thursday at 5pm
at Harvard Sanders Theatre:
Is Consciousness a Miracle?
A conversation with
Sadhguru JV & Steven Pinker, PhD
For Keynote only, purchase tickets [here.](#)**

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