

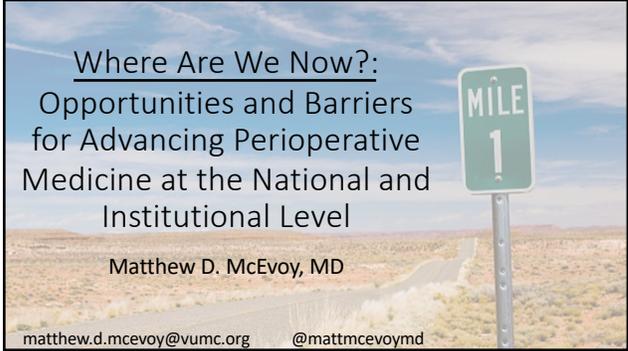


Where Are We Now?: Opportunities and Barriers for Advancing Perioperative Medicine at the National and Institutional Level

Matthew D. McEvoy, MD

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Disclosures

- Royalties from ASRA apps
- PeRLS (Perioperative Resuscitation and Life Support) Editorial Board for ASA
- President of ASER Perioperative Medicine
- I deeply believe Perioperative Medicine is one major part of the future of our specialty... but we have to actually practice it to teach it to practice it





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Learning Objectives

By the end of this presentation, the learner should be able to:

- Describe the current state of Perioperative Medicine in the United States
- Discuss next steps for extending the impact of Anesthesiology within the subspecialty of Perioperative Medicine
- Describe how they could be a part of expanding the scope of Anesthesiologists to be Perioperative Physicians in the future

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Who am I to talk about this?

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My profile...

<p>Professor of Anesthesiology and Surgery...</p> <p>Vice-Chair of Perioperative Medicine...</p> <p>Medical Director, VUMC Enhanced Recovery Programs...</p> <p>Program Director, Perioperative Medicine Fellowship...</p> <p>Medical Director, Hi-RISE Preoperative Optimization Clinic...</p> <p>Director, Perioperative Consult Service...</p> <p>Department of Anesthesiology...</p>	<p>Practice anesthesia in the OR</p> <p>Oversee this area in our dept</p> <p>Collaborate with teams/systems</p> <p>Teach this to residents/fellows</p> <p>Practice the medicine in clinic</p> <p>Practice the medicine in-hospital</p> <p>I am on the same team as you!</p>
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What is Perioperative Medicine?

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PERIOPERATIVE MEDICINE

THE PATHWAY TO BETTER SURGICAL CARE



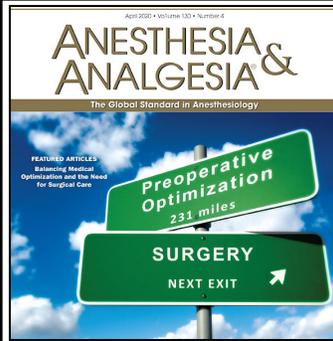
Perioperative medicine is a multidisciplinary subspecialty composed of practitioners who can effectively identify and meet the *complex medical needs of patients at particular risk from the adverse effects of surgical treatment...* from decision to post-discharge

Grocott MPW and Pearse RM, BJA,108: 723-6

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Where are we now?

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- Lots of editorials
- A number of name changes
 - SAAA → SAAAPM
- Dying of the Surgical Home
- Reduced training time in perioperative medicine
- Ambiguity over what 'perioperative medicine' actually means

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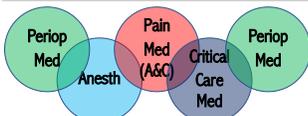
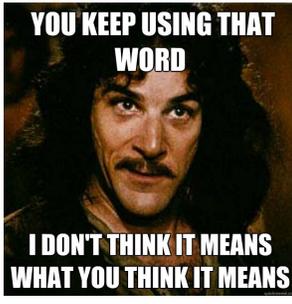
Thirty-six months of education must be in peri-operative medicine. (CMAA)

This must include experience with a wide spectrum of disease processes and surgical procedures available within the CA-1 through CA-3 years to provide each resident with broad exposure to different types of anesthetic management. (CMAA)

The program must ensure that the rotations for residents beginning the perioperative medicine component of the residency be in surgical anesthesia, critical care medicine, and pain medicine. (CMAA)

Residents must receive training in the complex technology and equipment associated with the practice of anesthesiology. (CMAA)

Clinical experience in surgical anesthesia, pain medicine, and critical care medicine must be distributed throughout the curriculum in order to provide progressive responsibility in the later stages of the program. (CMAA)

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Change Your Institutional Discussion to Change the National Discussion

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Perioperative Physician/Leader: 2 Features



Improve Sick Systems of Care

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Capacity Pillar: ERAS

Updated On 10/26/22

VUMC ERP Score Card with Quarterly Reporting to Hospital Leadership

Primary Responsible: Dr. McVay & Dr. Singer

Secondary Responsible: J. Jayaram, R. Chertay, H. Kishor, S. Arora

KEY ACCOMPLISHMENTS/NEXT STEPS/BARRIERS

KEY OUTCOME MEASURE

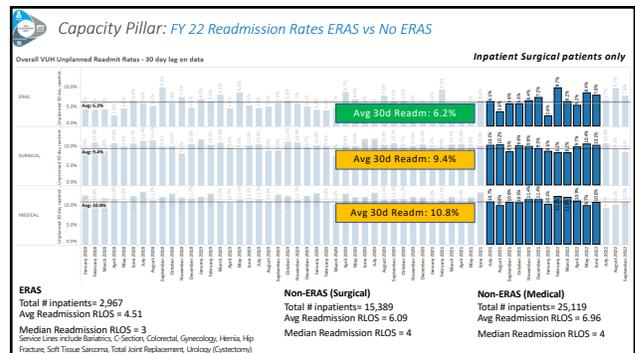
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Capacity Pillar: CMI Adj, RLOS ERAS and No ERAS

FY23TD		Case Counts	Avg. Discharge Orders in by 9:30AM	Avg. Discharged Before 11AM	CMI Adj. RLOS
FY 2022	ERAS	2,967	43.6%	21.9%	1.74
	SURGICAL	15,389	24.8%	14.8%	2.02
	MEDICAL	25,119	20.6%	13.6%	3.98
FY 2023	ERAS	924	44.9%	23.5%	1.71
	SURGICAL	4,689	25.2%	16.3%	2.02
	MEDICAL	7,557	22.7%	15.6%	4.10

ERAS Service Lines include Bariatrics, C-Section, Colorectal, Gynecology, Hernia, Hip Fracture, Soft Tissue Sarcoma, Total Joint Replacement, Urology (Cystectomy)

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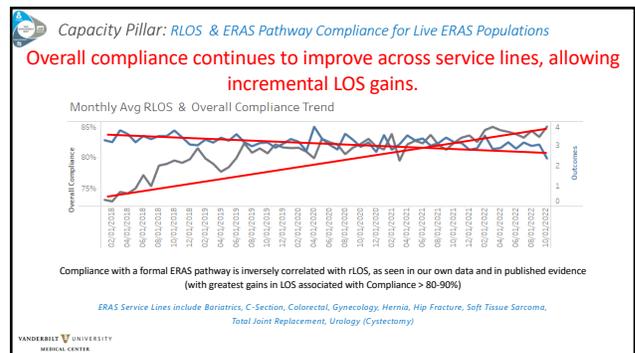
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Capacity Pillar: RLOS for Live ERAS Populations

	Prior Fiscal Year 7-1-2021-6-30-2022	Fiscal Year to Date 7-1-2022-10-13-2022	Prior Fiscal Quarter 7-1-2022-9-30-2022	Fiscal Quarter to Date 10-1-2022-10-13-2022
Distinct Encounters	3,595	1,043	966	77
CMI Adj, RLOS	1.73	1.71	1.73	1.41
Median RLOS	2.20	2.18	2.20	1.68
Average RLOS	2.75	2.73	2.79	2.05

ERAS Service Lines include Bariatrics, C-Section, Colorectal, Gynecology, Hernia, Hip Fracture, Soft Tissue Sarcoma, Total Joint Replacement, Urology (Cystectomy)

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Perioperative Physician/Leader: 2 Features

ups FedEx xerox™

Improve Sick Systems of Care Care for the Sickest Patients

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Randomized clinical trial of comprehensive geriatric assessment and optimization in vascular surgery

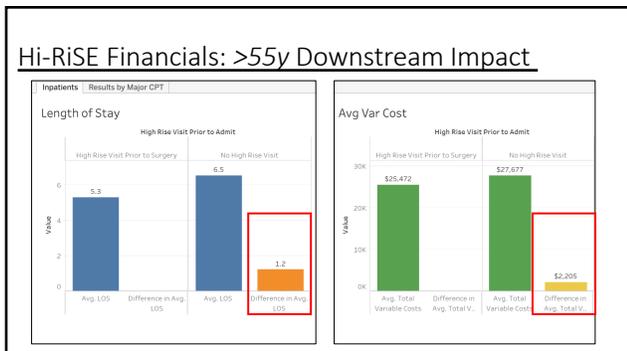
J. S. L. Partridge^{1,3}, D. Harari^{1,3}, F. C. Martin^{1,3}, J. L. Peacock³, R. Bell², A. Mohammed¹ and J. K. Dhesi^{1,3}

Some Level 1 Data already exists

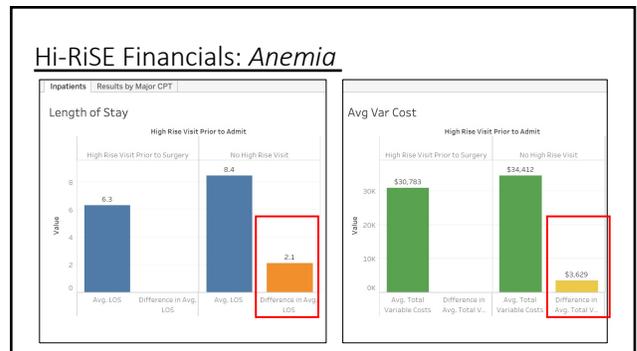
40% reduction in complications and LOS (~2 days)

Partridge JSL, et al. BMJ 2017; 354: g79-687

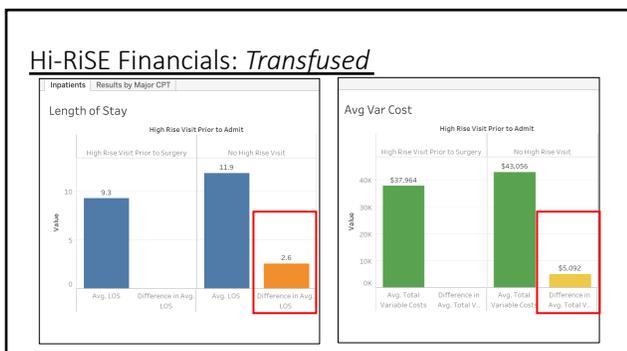
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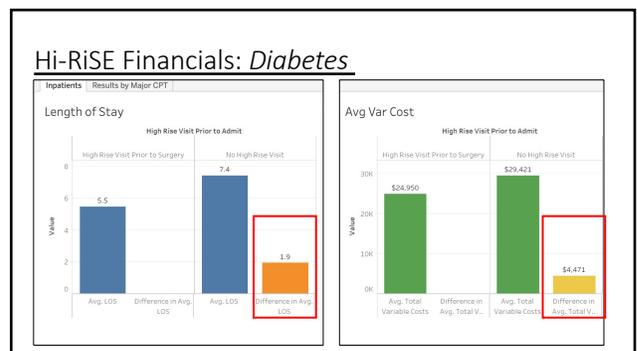
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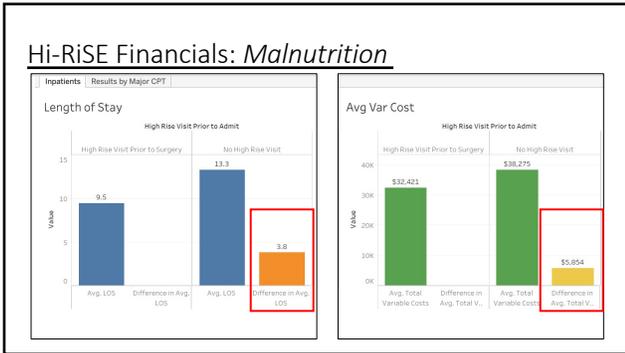
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What is next?

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Better data...

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■ THE OPEN MIND

Preoperative Optimization: A Continued Call to Action

Solomon Aronson, MD, MBA, FASA, FACC, FACP, FAHA, FASE,* Gavin Martin, MB ChB, MMCI,†
 Padma Gulur, MD,† Mike E. Lipkin, MD, MBA,‡ Sandhya A. Lagoo-Deenadayalan, MD, PhD,‡
 Christopher R. Mantyh, MD,‡ David E. Attarian, MD, FACS, FAOA,§
 Joseph P. Mathew, MD, MSc, MBA, FASE,† and Allan D. Kirk, MD, PhD, FACS‡

“The issue of whether preoperative optimization of comorbid medical conditions should be achieved before surgery *is not debatable*. The importance of preoperative risk mitigation toward achieving enhanced postoperative value *is not in question*. However, what *the best model* for ensuring preoperative optimization and achieving value remains untested...”

VANDERBILT UNIVERSITY MEDICAL CENTER *Anesth & Analg*, April 2020

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Caveat: Association, but what about causation?
 Planning RCT launch for early 2023 (N ~950 pts)

Colorectal, Urology, and Hepatobiliary Surgical Patients

Randomize

Hi-RiSE
 High-Risk Surgical Encounter Clinic
 Elevating Personalized Perioperative Care

Vanderbilt
 Preoperative
 Evaluation
 Center

Hypothesis: Optimization of high-risk surgical candidates will result in improved outcomes versus standard
 Primary Outcome: DAH30 (days alive and at home in 30 days after surgery); Secondary: \$\$\$; complications

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What is (urgently) needed (from the leaders in our specialty)?

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A Paradigm Shift



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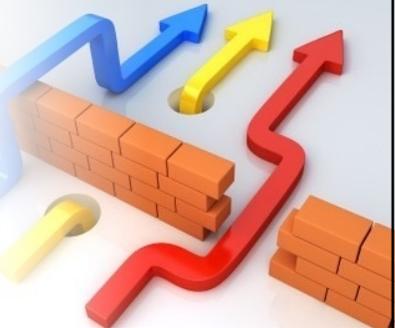
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Will we see
happening
ENHANCED
where the
PERFORMANCE?

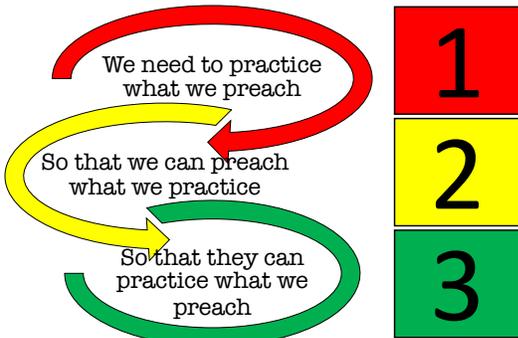


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Are you a barrier enforcer?
Are you one who removes barriers?
Are you one who removes barriers and facilitates change?



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Encourage Learning Now...

- For faculty and trainees



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Encourage Learning Now...

- For faculty and trainees
- For future perioperative physicians

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Topic: ACGME Training Requirements for Anesthesiology

- Cardiac anesthesia → 2 months
- OB anesthesia → 2 months
- Pediatric anesthesia → 2 months
- Neuroanesthesia →
- Pain Medicine →
- Critical Care Medicine →
- Preoperative Medical Optimization (climbing the mountain) →
- Postoperative Inhospital Care (summitting the peak) →
- Post-acute Medical Care (descending the mountain) →

You can do a fellowship in all of these... and it is needed to practice this domain in any specialized manner

...and is more likely if you aren't prepared here

Most injury, disability, and death occurs here

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In-Person Clinical Perioperative Medicine, Quality, and Safety Fellowships in the US

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You don't have to ask permission to take responsibility.

EDWIN CATMULL

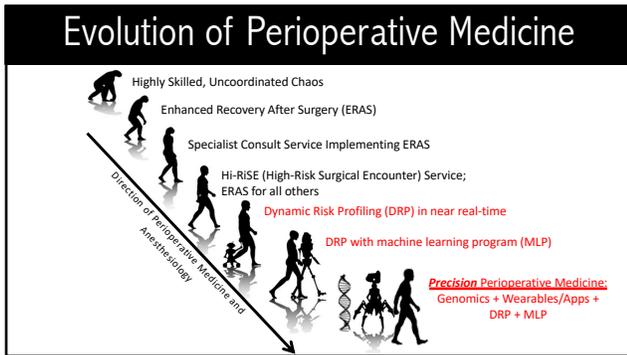
We should be collaborative with other specialties and invite them in, but we do not need to ask them for permission. Period.

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Thank you!

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