

DNAP CRNA MSNA MBA APNP ARNP APRN LTC(Retired) FAANA
Assistant Professor and Assistant Program Director Newman University
CEO Trollway Anesthesia and Educational Services

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Disclosure;

I tutor at-risk Nurse Anesthesia Residents for school, SEE, and NCE but have NO financial relationship with the big six review companies.

I am NOT an item writer!

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STORM ANESTHESIA recert CRNA

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Every attempt has been made to us generic names. At times trade names are used.

I do use the vernacular

Mentioning a company does not imply endorsement



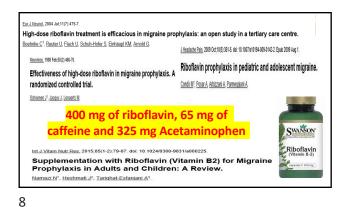
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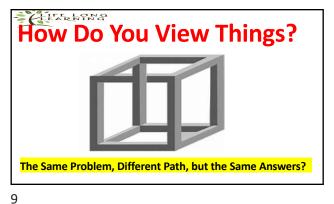




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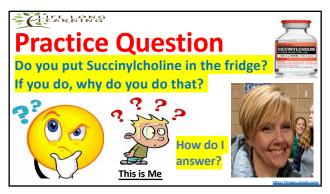


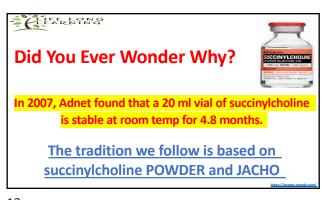


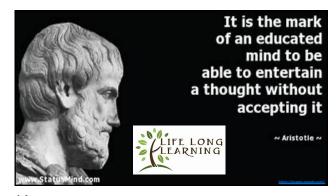


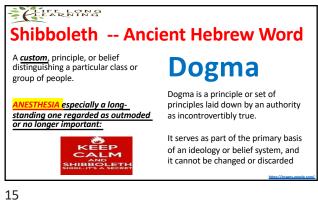


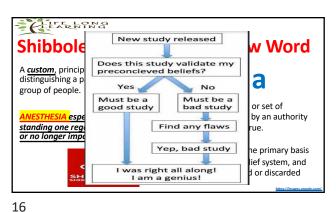




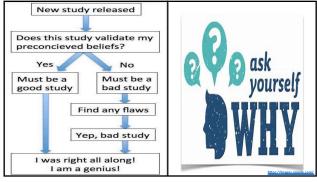


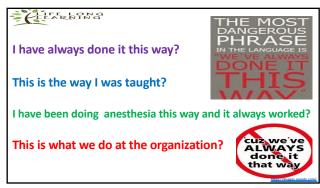






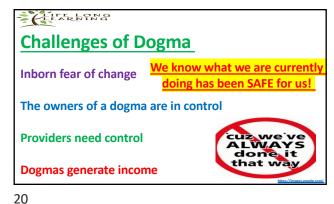
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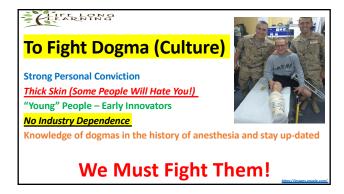


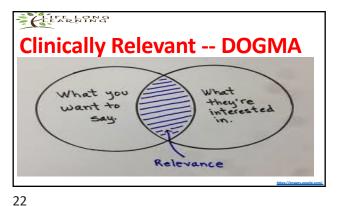


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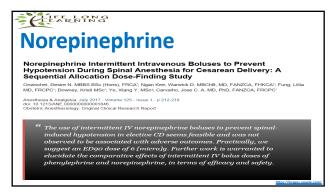






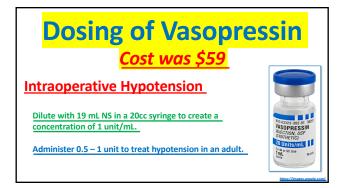


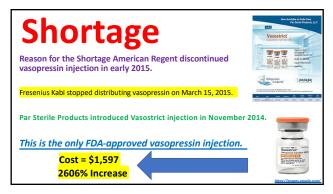




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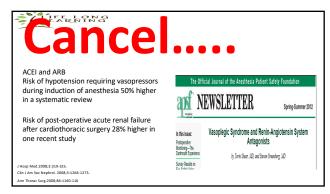




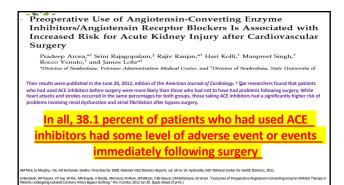


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Assertice light reading on ACE Inhibitors

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Cerist P, Ricer C, Dourshi T, et al. Influence of chronic angiotensin-converting enzyme inhibitors on anesthetic induction. Anesthesiology, 1994;81(2):299–307.

McCorthy GJ, Hainmorth ML, Indiasy K, Wright JM, Brown TA. Pressor responses to tracheal intubation after sublingual captopril. A pilot study. Anaesthesio. 1990;45(3):243–245.

Benedetto U, Starretta S, Roscitano A, Favrani B, Reflex S, Angeloni I, Sinatra R. Presporative angiotensin-converting enzyme inhibitors and acute kidney injury after connewy artery byposis grafting. Ann Thorac story. 2008;86(4):1266–1275.

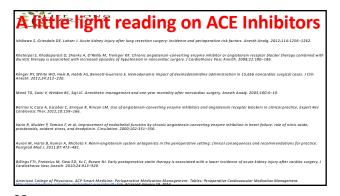
Acros P, Rogolobon S. Rospin R, F Presporative angiotensin-converting enzyme inhibitors/angiotensin receptor blockers is associated with increased risk for excite kidney injury after cardiovasculus ruspers. Clini J Am Soc Nepholol. 2003;3(5):1266–1273.

Ceco SG, Gary AX, Sweminstehan M, et al., TRIBLAC Consortium. Preoperative angiotensin-converting enzyme inhibitors and angiotensin receptor blocker use and excite kidney injury in potients undergoing cardiocal coursers. Amening large transport. 2013;28(1):111–1115.

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Methylene Blue

AANA Journal Course

Update for Nurse Anesthetists

Pathophysiology and Management of AngiotensinConverting Enzyme Inhibitor-Associated Refractory Hypotension During the Perioperative Period

ACE inhibitors for refractory
hypotension

Methylene Blue

AANA Journal, April 2013; Vol. 81, No. 2
Andrea Thoma CRNA MSNA

Andrea Thoma CRNA MSNA

AND Journal Course

Update for Nurse Anesthetists

Pathophysiology and Management of AngiotensinConverting Enzyme Inhibitor-Associated Refractory Hypotension During the Perioperative Period

No

Sodium
Nitroprusside

No

Sodium
Nitroprusside

No

Sodium
Nitroprusside

No

Sonitrosothiol

ANA Journal Course

Pathophysiology and Management of AngiotensinConverting Enzyme Inhibitor-Associated Refractory Hypotension During the Perioperative Period

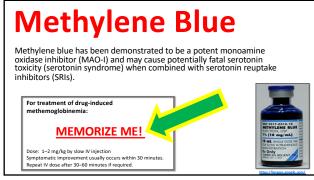
No

Sodium
Nitroprusside

No

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CRICOID PRESSURE TO CONTROL REGURGITATION OF STOMACH CONTENTS DURING INDUCTION OF ANÆSTHESIA

WHEN the contents of stomach or æsophagus gain access to the air-passages during anæsthesia the consequences are disastrous. In spite of modern anæsthetic techniques—or sometimes, regretably, because of them—regurgitation is still a considerable hazard during the induction of anæsthesia, particularly for operative obstetrics and emergency general surgery.^{1–8}

By a simple manœuvre during induction of anæsthesia, regurgitation of gastric or resophageal contents can be

By a simple manœuvre during induction of anæsthesia, regurgitation of gastric or œsophageal contents can be controlled until intubation with a cuffed endotracheal tube is completed. The same manœuvre may also be used to prevent inflation of the stomach (a potent cause of regurgitation) resulting from positive-pressure ventilation

Cricoid – esophagus – C5 body alignment

Esophagus lateral to cricoid cartilage in > 50%

37 38



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habitus, or other relevant factors that might also explain his findings.

Clin Respir J. 2016 Jun 7. doi: 10.1111/crj.12508. [Epub ahead of print]

A Pilot Randomized Clinical Trial Assessing the Effect of Cricoid Pressure on Risk of Aspiration.

Bohman JK¹, Kashwap B¹, Lee A², He Z³, Soundar S³, Bolling LL³, Kor DJ¹.

Sellick Made Several Key Assumptions

That the cricoid cartilage, esophagus, and anterior surface of the vertebral body would be in constant alignment; FALSE

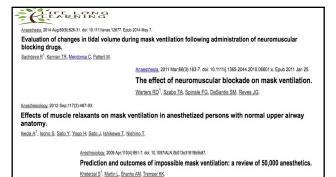
That his maneuver would fully occlude the esophagus and would prevent gastric contents from refluxing past the cricoid; FALSE

That his maneuver would reduce the incidence of pulmonary aspiration associated with "full stomach" conditions: NO OUTCOME STUDIES PROVING IT

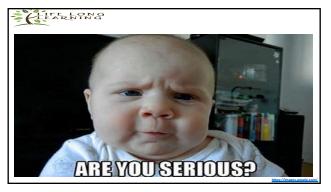
That cricoid pressure had no adverse consequences. OBSTRUCTS VIEW OF AIRWAY

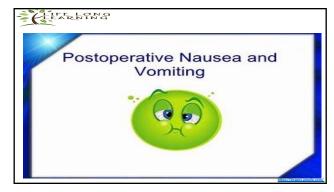
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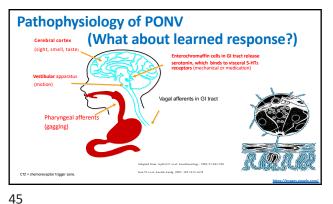


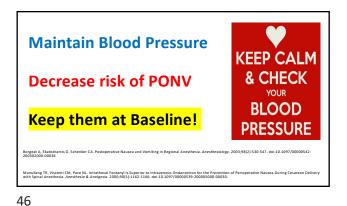


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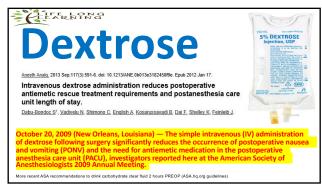






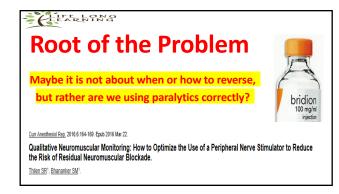


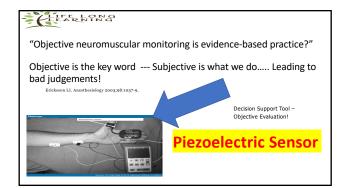
Dosing of Ephedrine Use of Ephedrine for the Short-Term Treatment of Intramuscular ephedrine reduces emesis during the first Postoperative Nausea and Vomiting: A Case Report three hours after abdominal hysterectomy Elsa Wuhrman, MS, BC, FNP DOI: http://dx.doi.org/10.1016/j.jopan.2011.06.003 m f study by Rothenberg et al. (1991) showed that ephedrine 0.5 mg/kg IM has an antiemetic effect in patients undergoing outpatient laparoscopy with general anesthesia. Efficacy of Ephedrine in the Prevention of Postoperative Reflections David M. MD, Pansass, Samuel M. MD, Litrack, Kim PhD, RN, McCarthy, Robert J. PharmD, Ne Anatholia & Anapolia January 1971 EPHEDrine 50 mg/mL

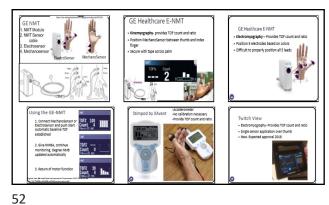


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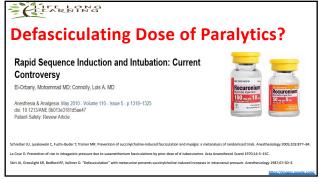


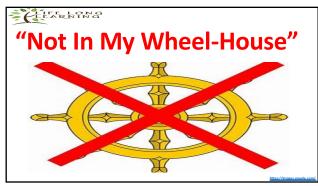






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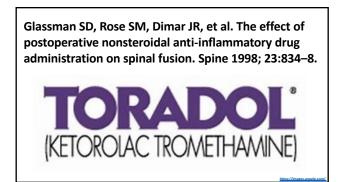




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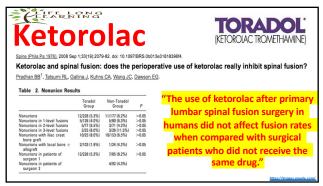




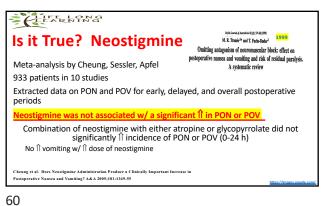
J Orthop Trauma. 2016 Sep;30(9):479-82. doi: 10.1097/BOT.0000000000000620. Ketorolac Administered in the Recovery Room for Acute Pain Management Does Not Affect Healing Rates of Femoral and Tibial Fractures. Femur Ketorolac (n = 33) No Ketorolac (n = 104) P* Ketorolac (n = 52) No Ketorolac (n = 139) P* Time to union in days (range) 159 (44-406) Nonunion, n (%) 3 (9.1) 11 (10.6) 1.00 3 (5.8) 0.29 *P value calculated using Mann–Whitney U test for time to union. P value calculated using Fisher Exact test for percent nonunion.

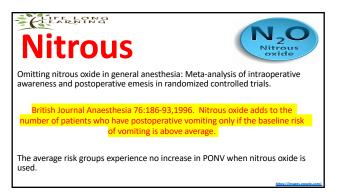
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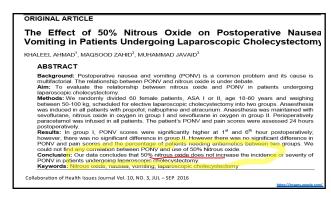


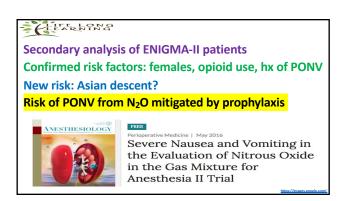
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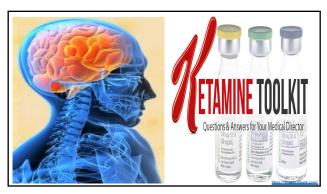


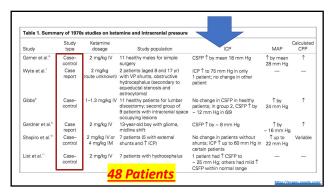




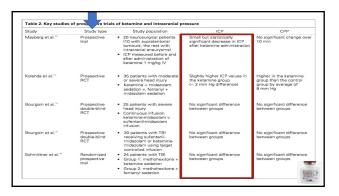
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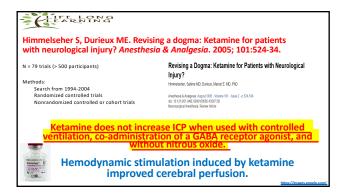
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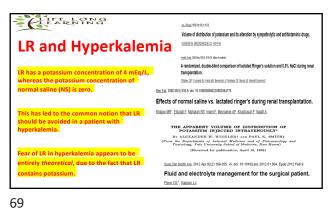




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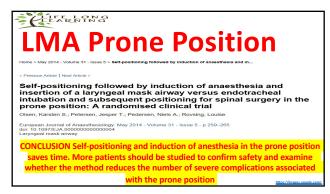


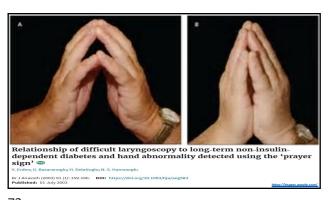










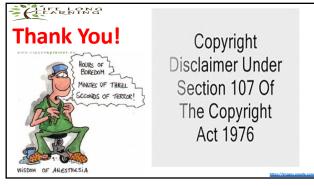


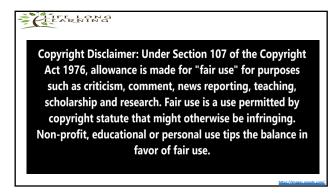






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Financial Disclosure

There is no financial conflicts with this presentation.

Lecturing about a topic does not constitute endorsement of any product. Please take the time to research each topic for more information.

Mentioning a product or company does NOT represent endorsement.

Every attempt has been made to us generic names when possible, at times brand names are used.