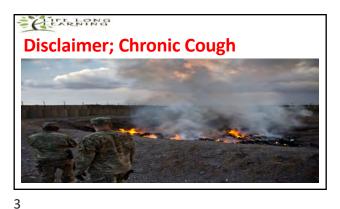


Forensics of Anesthesia What Went Wrong?

Peter Strube

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

2



Important Notice

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

I do use the vernacular and most commonly used name

Mentioning a company does not imply endorsement

4



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

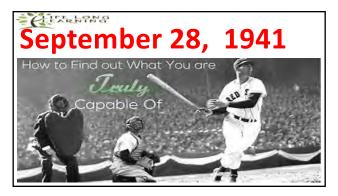
I am NOT an item writer!

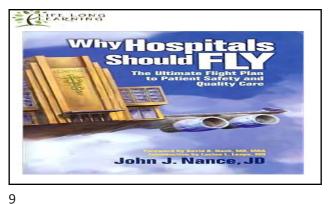
pstrube3000@yahoo.com Cell is 608-469-1750



5 6







CLEAR HANG **Forensics**

10

Scientific tests or techniques used in connection with the detection of a medical error.





11 12

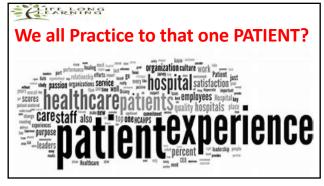


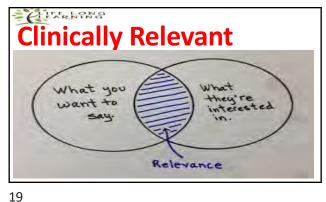






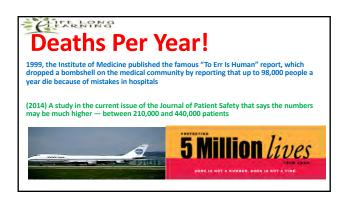


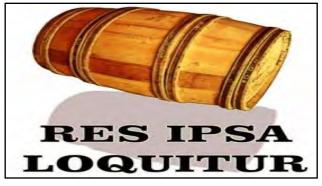


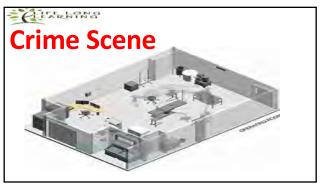




















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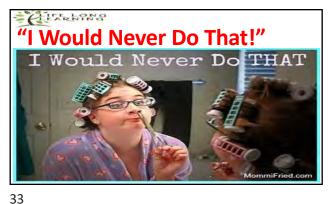




29 30







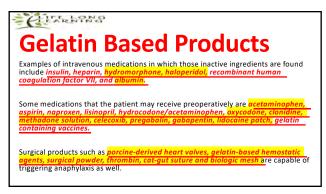
CLEARNING "Often stepping back you see more, don't you?" - David Hockney

34



CLETCHENS **Delayed Anaphylaxis to Alpha-gal** Triggered by an IgE antibody to a sugar (not a protein) Galactose alpha 1-3 galactose ("alpha gal") found in meat (beef, pork, lamb, venison, bison but not poultry or fish) Cardiovascular symptoms (arrhythmia, blood pressure fall, syncope, shock) – Death Reported in several hundred people across US (Virginia highest)

35 36



Continue with Preciation Assessment of alpha-gad syndrome. An earth Analg.

2019;129(5):1242-1248. doi:10.1213/ANE.0000000000000000460

O'Ercole FJ, Dhandha VH, Levi ML. Todd AB, Kumar PA. Perioperative challenges in patients with alpha-gad allergy. J Clin Anesth Pain Manag. 2019;3(1):70-78. doi:10.36959/377/330

Lied GA, Lund KB, Storaas T. Intraoperative anaphylaxis to gelatin-based hemostatic agents: a case report. J Asthma Allergy. 2019;12:163-167. doi:10.1247/JAA.S202784

Steinke JW, Platts-Mills TA, Commins SP. The alpha-gad story: lessons learned from connecting the dots. J Allergy Clin Immunol. 2015;135(3):599-597. doi:10.1016/j.jap.2014.12.1947

Platts-Mills TA, Li RL, Kechsuvar B, Smith AR, Wilson JM. Diagnosis and management of gatherns with the alpha-gad syndrome. J Allergy Clin Immunol Pract. 2020;8(1):15-23.

Sell-Dottin MA, Sola M, Caranacoos TG. Impact of newly emerging alpha-gad allergies on cardiac surgery: a case series. Clin Surg. 2017;2(1477):1-3.

http://www.clinicsinsurgery.com/pds_folder/cis-v2-id1477.pdf. Accessed April 4, 2020.

Maglis C, Kar I, Gorg N H, Hermes-DeSantis EB, Morteleone C. Anaphylaxis to medications confaming mean Deproducts in an alpha-gal servicine dividual. Allergy Clin immunol. Pract. 2015;376–5979. doi:10.1016/j.jap.2015.4019.

37 38



Alpha-Livetin
Bird Egg Syndrome
Gabapentin
Omeprazole
Atorvastatin
Labetalol
Meloxicam
Chlorthalidone
Aspirin

40

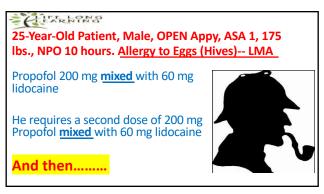
39

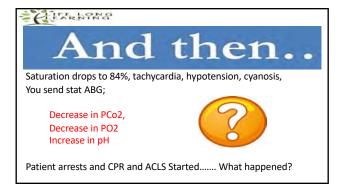




41 42







25-Year-Old Patient, Male, OPEN Appy, ASA 1, 175

Ibs., NPO 10 hours. Allergy to Eggs (Hives)-- LMA

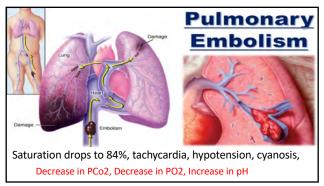
Propofol 200 mg mixed with 60 mg lidocaine

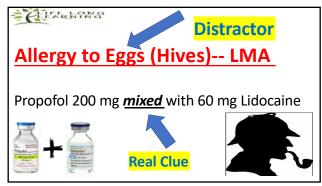
He requires a second dose of 200 mg Propofol mixed with 60 mg lidocaine

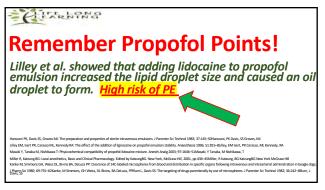
And then......

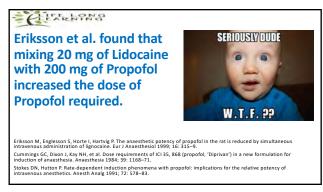
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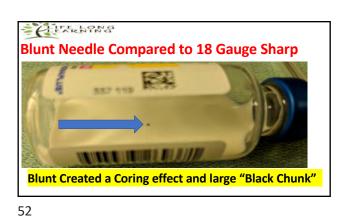






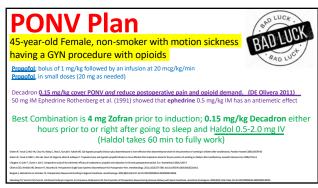




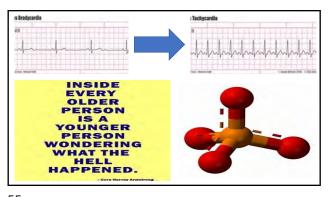


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53 54

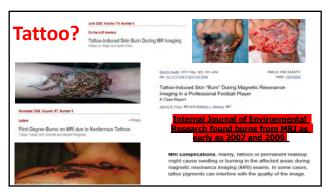


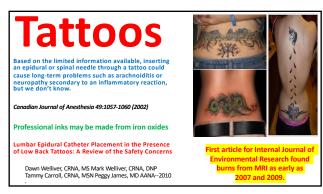




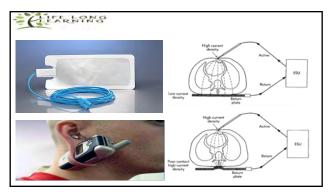


57 58





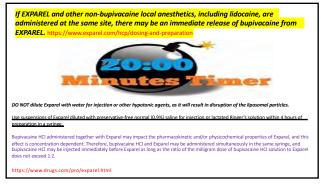
59 60











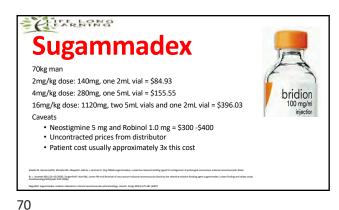


65 66









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Cost of Neostigmine

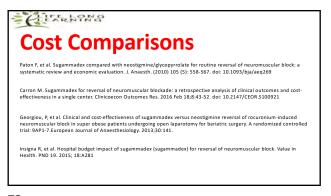
70 kg man – Cost to Patient

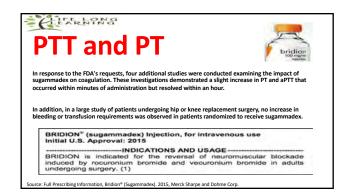
70mcg/kg neostigmine = 4.9mg = \$42.34
(\$208.82 to patient)

10mcg/kg glycopyrrolate = 0.7mg = \$19.55
(\$122.12 to patient)

Caveat – Approximate prices prorated for amount used from premixed syringes available from pharmacy

71 72







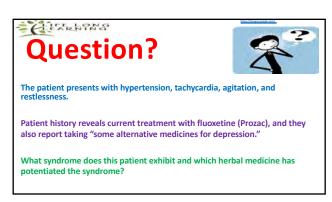
Emend (Aprepitant) PDNV

| Final Company | Fin

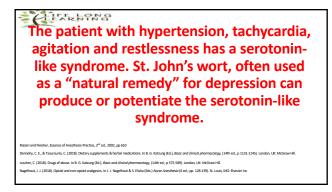
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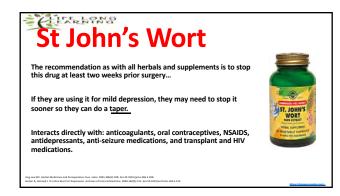
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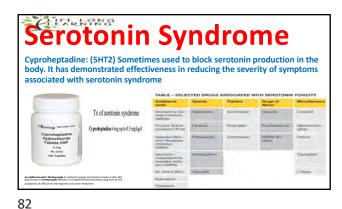


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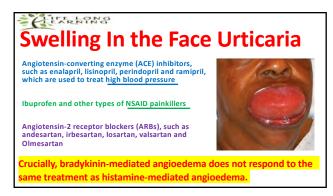


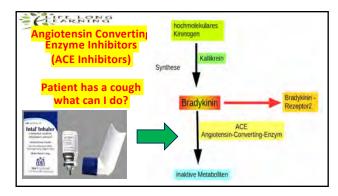
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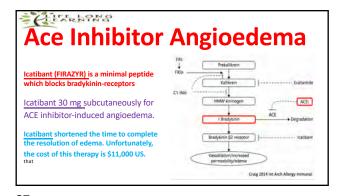




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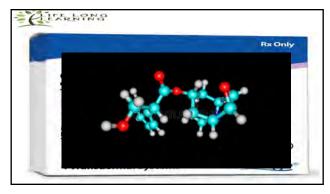


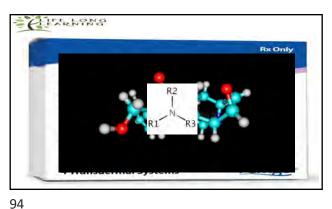


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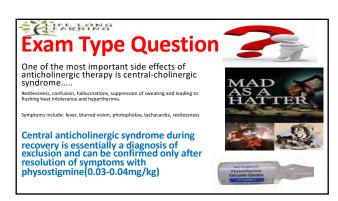




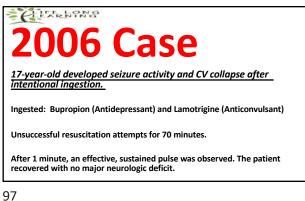


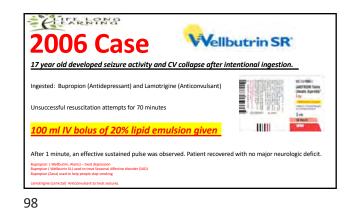
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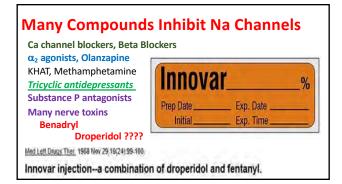




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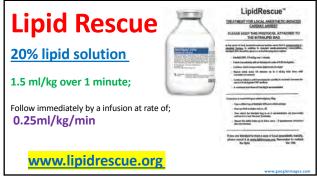






CLEAR HONE The Power of an Antidote CLEARANCE

100





101 102







No allergies, No other medical history Second baby.. Hx of preterm Labor Prenatal Vitamins, Fish Oil

You place the epidural, three pokes, test dose negative, you go home finally at 7 am.

Your called at 11 am to tell you mom is taken emergently to surgery.

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106



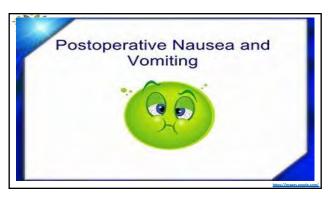
CLETCHENS Is Nitrous Back? assist them in coping with the challenges of labor. Among these should be nitrous oxide, which is commonly used in many other countries. Entonox (50:50 N20/O2 mixture) Side effects: dizziness, N/V, dysphoria, lack of cooperation Appears to have no effect on hepatic, renal, cardiac or

107 108



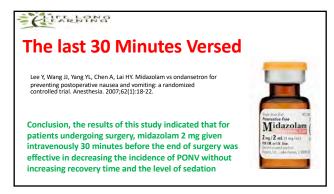




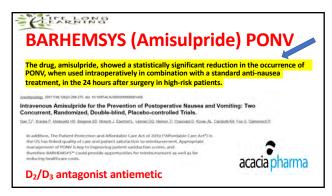


111 112





113 114









117 118



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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.

119 120

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