- Lipid emulsion in local anesthetic toxicity

Harvey M, Cave GC. Anesth 2016;125:451-53 *preceding*: Effect of Intralipid on the dose of ropivacaine or levobupivacaine tolerated by volunteers in Anesth 2016;125;474-83 (maybe the sink theory is right-er)

The effect of lipid emulsion on pharmacokinetics of bupivacaine in rats: Long-chain triglyceride versus long-and medium-chain triglyceride (long chain more effective) Anesth Analg 2016;123:1116-1122

- An assessment of the awareness of LAST among multi-specialty postgraduate residents
- Sagir A, Goyal R. J Clin Anesth 2015;29:299-302
- 200 non-anesth residents: 70% did not aspirate before injecting, 93% didn't know the toxic dose of bupivacaine, only 70% believed that LAs could be toxic, 81% did know s/s of CV toxicity, and only 2% knew of lipid Rx

References

1) Neal JM, Bernards CM, Butterworth JF, et al. ASRA Practice Advisory on Local Anesthetic Systemic Toxicity. RAPM 2010;35:152-61

2) Neal JM, Hsiung RL, Mulroy MF, et al. ASRA Checklist improves trainee performance during a simulated episode of LAST. RAPM 2012;37(1):8-15

3) McEvoy MD, Hand WR, Stoll WD, et al. Adherence to guidelines for the management of LAST is improved by an electronic decision support tool and designated "reader". RAPM 2014;39(4):299-305

References

- 4) Liu F, Wu B, Du Y, et al. Epinephrine reversed high-concentration bupivacaine-induced inhibition of Calcium channels and transient outward Potassium current channels, but not [on] Sodium channel[s] in ventricular myocytes of rats.
- BMC Anesthesiol 2015;15(66):1-12

References

- Tong YCI, Kaye AD, Urman RD.
- Liposomal bupivacaine and clinical outcomes.
- Best Pract and Res Clin Anaesth 2014;28:15-27