Clinical Pearls in Emergency Pharmacy

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Current Treatment for “Road Rash”?
- Systemic Analgesia
- Local Anesthetics
  - Lidocaine: 3-5mg/kg
  - Lidocaine w/epi: 7.5mg/kg
- Procedural Sedation

Toxicity of Lidocaine
- Cardiovascular
  - Cardiac Arrest
  - Heart Block
  - Ventricular Tachycardia
- Neurologic
  - Seizures
**Safe Lidocaine Administration**
- Weight of patient X 3mg/kg = XXXmg
- QS with surgical lubricant
- Apply liberally
- When ‘reservoir’ is empty – safely reached max dose of lidocaine

**Safe Lidocaine Administration**
- Can use 1% or 2% depending on surface area and consistency desired
- Can add 1ml of 1MEQ/1ML NAHCO3 to buffer
- Avoid epinephrine

**Code Pearls, Hints + Secrets**
- Amiodarone
- Atropine
- Calcium
- Epinephrine
- Furosemide
- Lidocaine
- Magnesium

**Code Pearls, Hints and Secrets**
- Naloxone
- Procainamide
- Sodium Bicarbonate
- Vasopressin

**Which Pressor?**
- \( \text{BP} = \text{HR} \times X \times \text{SVR} \)
- Dopa: ↑↑↑↑
- Epi: ↑↑↑↑
- NorEpi.: ↑
- Dobu.: ↑↑↑
- Milr.: ↑↑↑
- Phenylep.: XXX
- Vaso.: XXX
RSI

- Pretreat
  - Lidocaine
  - Atropine
  - Non-depolarizing paralytic

RSI

- Sedation
  - Etomidate
  - Benzodiazepine
  - Propofol

RSI

- Paralyze
  - Succinylcholine
  - Rocuronium
  - Vecuronium
  - Cisatracurium
  - Etc…

Questions?