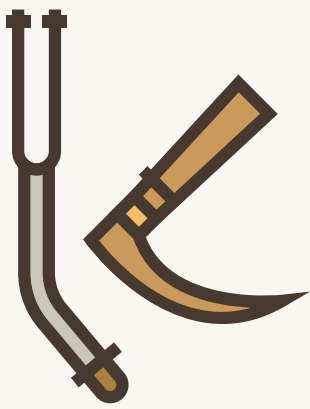


LOCAL ANESTHETIC SYSTEMIC TOXICITY

Recommendations for Treatment



1

EFFECTIVE AIRWAY MANAGEMENT

It is crucial to prevent hypoxia and acidosis, which are known to potentiate LAST



2

TREAT SEIZURES

Benzodiazepines, and if not readily available, small doses of propofol (large doses may aggravate CV symptoms)

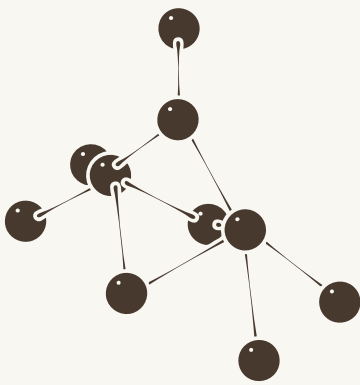


3

ACLS

If cardiac arrest occurs, initiate ACLS

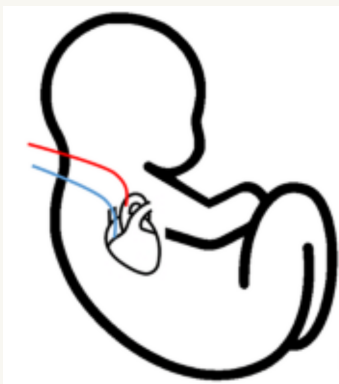
- smaller epinephrine doses (≤ 1 mcg/kg to start)
- avoid (Lidocaine, β -blockers, CCB, and vasopressin)



4

LIPID THERAPY (INTRALIPID 20%)

1. Bolus: 1.5 mL/kg 20% lipid emulsion over 2-3 min; Repeat bolus every 3-5 minutes up to 3 mL/kg total bolus dose
2. Infusion: 0.25 mL/kg/min (up to 0.5) continued for at least 10 mins after circulatory stability is attained
3. Max total dose limit (first 30 min) = 12 mL/kg



5

CONSIDER ECMO

Reduces circulating LA concentration, perhaps by:

- increasing Vd, diluting the circulating LA concentration
- adsorption of LA to ECMO circuit



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