

15 Local Anesthetic Toxicity

Mental status changes, hypotension, bradycardia, arrhythmias, cardiovascular collapse after local anesthetic injection/infusion.

START

- 1 Discontinue injection/infusion
- 2 Call for help and the code cart/defibrillator
 - ▶ Ask: “Who will be the crisis manager?”
- 3 Obtain Intralipid injection (in all block carts)
- 4 Establish airway, oxygenation and ventilation.
Consider endotracheal intubation
- 5 Treat seizures with benzodiazepines
- 6 If signs persist or worsen Intralipid 20% 1.5 cc/kg bolus as fast as possible. (100 ccs in average adult).
 - ▶ Avoid propofol.
- 7 Treat Hypotension
- 8 If pulseless, start CPR. Need for this may be prolonged.
- 9 Arrhythmias per ACLS, with exceptions.
 - ▶ Reduced dose epinephrine
 - ▶ Avoid vasopressin, calcium channel blockers, beta blockers, lidocaine
- 10 Refractory cases may require cardiopulmonary bypass

DRUG DOSES

Midazolam	2-4 mg IV
Intralipid 20%	1.5 cc/kg bolus <ul style="list-style-type: none">• may repeat x 3, 0.25-0.5 cc/kg/min infusion
Epinephrine	1 mcg/kg IV bolus
Amiodarone	300 mg IV bolus

More INFO

- <http://www.asra.com/checklist-for-local-anesthetic-toxicity-treatment-1-18-12.pdf>
- Cardiac Surgeon on call, for CPB (Amion, Remis)

Critical CHANGES

If PEA, Go to ▷ CHKLST 4
If VF/VT, Go to ▷ CHKLST 5