



Selecting the Most Appropriate Local Anesthetic

CITANEST 4% (PRILOCAINE) PLAIN -

- ◆ Indications - Best for genuine sensitivity to epi., least painful shot (least acidic).
- ◆ Downside - short duration 10-20min. inf. 40-60min. block, ↑ incidence of paresthesia, and methemoglobinemia in high doses (Max. no. of cartridges in Adults 5.5).
- ◆ Relative C/I - congenital methemoglobinemia, sickle cell anemia.

CARBOCAINE 3% (MEPIVICAINE) PLAIN -

- ◆ Indications - longest acting without epi. True allergy is virtually non-existent.
- ◆ Downside - relatively short duration, 20-40 min.- danger of O/D in pedo. with relatively small dosages (30lb. child max. 1.7 cartridges!).
- ◆ Relative C/I - Malignant hyperthermia as with all amide anesthetics (Max. no. of cartridges in Adults 5.5)

CARBOCAINE 2% WITH 1:20,000 NEO-COBEFRIN OR LEVONORDEFRIN

- ◆ Indications - rapid onset, otherwise similar in action to 2% lido. with epi.
- ◆ Downside - same as all vasopressors, low hemostatic effect.
- ◆ Relative C/I - Tricyclic anti-depressants (Max. adult dose 11 cartridges).

XYLOCAINE 2% (LIDOCAINE) WITH EPI. 1:100K -

- ◆ Indications - tried and tested, any dental procedure lasting up to 1-2 hours, 1:50k still the best for surgical hemostasis.
- ◆ Safe - large therapeutic window (Max. no. of cartridges in adults 11 cartridges max.)
- ◆ Relative C/I - Cimetidine (Tagamet) + ASA III, Non-selective beta-blockers.

SEPTOCAINE 4% (ARTICAINE) WITH 1:100,000 EPI. -

- ◆ Indications - Patient difficult to numb - Best penetration (lipid soluble).
- ◆ Downside - paresthesia ↑ max. (6-7 cartridges in adults), short half life.
- ◆ Relative C/I - congenital methemoglobinemia, no reported allergy to "sulfa" allergic pts.

MARCAINE 0.5% (BUPIVICAINE) 1:200,000 EPI. -

- ◆ Indications - post-surgical pain control longest lasting (protein binding).
- ◆ Downside - uncomfortable shot (most acidic), longer onset (8-10 minutes), danger of cardio-toxicity in large doses (half-life 2.7hrs.) (Max. adult dose 10 cartridges)
- Relative C/I - Younger patients (pedo.), mentally disabled, due to risk of self mutilation ↑

