

articaine (Septanest, Septocaine, Ultracaine, Articadent, Orabloc, Zorcaine)

Onset: Moderate
Metabolism: Liver, plasma
Excretion: Kidneys
Concentration: 4%
Duration: 4%, epi 1:100,000 **intermediate** (60-75min / 180-360min)
4%, epi 1:200,000 **intermediate** (45-60min/ 120-300min)

***Max. Dose:** 7.0 mg/ kg body weight
3.2 mg/ lb body weight
no absolute max. (no MRD listed)
500 mg. absolute max. (Dr. Green)

bupivacaine (Marcaine, Vivacaine)

Onset: Slow (6-10 minutes)
Metabolism: Liver
Excretion: Kidneys
Concentration: 0.5%
Duration: **long** (90-180min / 240-540)

***Max. Dose:** 2.0 mg/ kg body weight ~~1.3 mg/kg~~
0.9 mg/ lb body weight ~~0.6 mg/lb~~
90 mg absolute max.

etidocaine (Duranest) **NO LONGER AVAILABLE**

Onset: Rapid
Metabolism: Liver
Excretion: Kidneys
Concentration: 1.5%
***Max. Dose:** 8.0 mg/ kg body weight
3.6 mg/ lb body weight
400 mg absolute max

Ester Class Anesthetics NO LONGER AVAILABLE IN DENTAL CARTRIDGE

procaine (Novocaine)

Onset: Slow (6-10 minutes)
Metabolism: Plasma (pseudocholinesterase) PABA
Excretion: Kidneys
Concentration: 2%
***Max. Dose:** 6.0 mg/ kg body weight
2.7 mg/ lb body weight
400 mg absolute max.

propoxycaine (Ravocaine)

onset: Rapid
Metabolism: Plasma
Liver
Excretion: Kidneys
Concentration: 0.4%
***Max. Dose** 6.6 mg/ kg body weight
3.0 mg/ lb body weight
400 mg absolute max. (of total amine = propoxycaine + procaine)

Topical Anesthetics

Vasodilators
water solubility
Rate of absorption

1. benzocaine
 - Ester
 - poor water solubility
 - poor absorption
 - *Max. Dose: ?
2. lidocaine hydrochloride
 - Amide
 - Water-soluble
 - *Max. Dose: 200 mg
3. tetracaine hydrochloride
 - Ester
 - Water-soluble
 - *Max. Dose: 20 mg
4. dyclonine hydrochloride **NOT CURRENTLY AVAILABLE (?)**
 - ketone (not amide nor ester)
 - slightly soluble in water
 - *Max. Dose: 200 mg
5. EMLA – eutectic mixture (of) local anesthetics
6. Dentipatch
7. Oraquix

Next Week's Injections:

IA (inferior alveolar nerve block, mandibular block, Halsted block)

region anesthetized:
needle length:
needle gauge:
volume of anesthetic:
depth of penetration:

LB (long buccal nerve block, buccal nerve block)

region anesthetized:
needle length:
needle gauge:
volume of anesthetic:
depth of penetration: