

## LAC-USC OB Anesthesia

There are many valid ways to do things in anesthesia. This is one method of providing safe effective anesthesia care for laboring and obstetrical patients. Dr. Jeff Lee requests the following:

- 1) Prep the skin with chlorhexadine alcohol kits.
- 2) Always use the 1 ½ gauge needle for the skin wheal and deep infiltration. These needles are supplied in the epidural trays but must be added to spinal setup.
- 3) Always fill the dead space of the skin wheal local anesthesia (lidocaine) ampoule with NaHCO<sub>3</sub>. This does not need to be fresh as when placed in the epidural space. If you do the above the patient will barely feel the skin wheal.

### Cesarean Section Patients

<b>Spinal</b>	2ml 0.75% bupivacaine in 8.25% dextrose 0.2 ml 1:1000 epinephrine 0.3 ml (15 mcg) fentanyl or 0.3 ml (15 mg) meperidine 0.6 ml (0.3 mg) Duramorph	
<b>Epidural</b>	20 ml 2% Lidocaine 2 ml (2 mEq) pediatric NaHCO <sub>3</sub> (fresh) 0.1 ml 1:1000 epinephrine 1 ml (50 mcg) fentanyl	Redose by the clock 5ml + 5ml Lidocaine + epi Q75 minutes

After delivery and during closure you may give 50 mcg fentanyl plus 3-5 mg Duramorph. Dr. Jeff Lee prefers the higher dose. Afrasaibi gives 2.5 mg Duramorph. If 3% Chloroprocaine is used the Duramorph may not be as effective.

### Post-Partrum Tubal Ligation

<b>Spinal</b>	1 ml (50 mg) meperidine 0.5 to 0.6 ml 0.75% bupivacaine in 8.25% dextrose (from spinal tray)	
<b>Epidural</b>	20 ml 3% Chloroprocaine 2 ml pediatric NaHCO <sub>3</sub> 0.1 ml 1:1000 epinephrine 1 ml (50 mcg) fentanyl	

## Labor

### Epidural

Bupivacaine 0.123% made from 4 ml 0.5% bupivacaine + 11 ml NaCl

Plus 0.2 ml (10 mcg) sufentanil

Bolus 15 ml in divided doses

Infusion at 12 ml / hr

25 ml 0.5% bupivacaine in 150 ml NaCl plus rest of sufentanil (90 to 100 mcg).

This will make 170 ml 0.07% bupivacaine + 0.5 mcg/ml sufentanil.

Ropivacaine (primagravidas only)

Bolus 0.2% ropivacaine + 10 mcg sufentanil made by mixing 3 ml 1.0% ropivacaine + 12 ml NaCl

Infusion (12 ml / hr)

17 ml 1% ropivacaine + rest of sufentanil (90 to 100 mcg) mixed in 150 ml NaCl.

Label bag 0.1% ropivacaine + 0.5 mcg sufentanil.

## CSE Technique

**Spinal**            10 mcg sufentanil  
                         2.5 mg bupivacaine (0.5 ml of 0.5%)  
                         or  
                         3 mg ropivacaine (0.3 ml of 1 %)  
                         Add either to 0.5 to 1.0 ml NaCl.

Sometimes Dr. Lee adds 0.5 ml of D10W – only do this when he is present.

## Circlage

**Spinal**            2.0 to 2.5 ml 0.5% bupivacaine (from 30 ml bottle)  
                         or  
                         1.5 ml 1% ropivacaine

Either will be added to 1.0 ml sterile H<sub>2</sub>O for hypobaric spinal. Inject and maintain patient in head-down position.