

Poppers preferences for a Poptastic cardiac day 10.2016

Pharmacy:

1. see below

Setup: SIX PUMPS

1. four stop cocks on all IV's, bolus lines, etc. (only two on blood warmer)
2. zoll pads for everyone (I'll explain)
3. PA lines – get two full drapes, double glove (I'll explain)
5. IVs:
 - a. Blood transfusion set on warmer
 - b. two IV bags with “10 drip” tubing each with 4 stop cocks – one will be for peripheral IV, other will be attached to brown port on MAC (cordis) 9F double-lumen catheter
 - c. one IV bag with “60 drip” microdrip tubing and 6 stop cocks – this will be your VIP line for drips and will be attached to white port on MAC (cordis) 9F double-lumen catheter

Preop and pre-induction:

1. Preop 16g IV if possible, but if poor targets, just get anything that can be used to go to sleep
2. if pt is really anxious, let me know, anxiety can provoke myocardial ischemia (both for pt & me)
3. BIS/Sedline on everyone prior to induction
4. Zoll pads on everyone prior to induction

Post-induction:

1. Central line – MAC (cordis) 9F double-lumen catheter
2. Amicar – start immediately. 10g IV bolus over 20 mins. Run infusion (5g in 250cc from pharmacy) at 50cc/hr (alt: 0.1g/kg bolus of amicar over 10', 30mg/kg/hr infusion).
3. Ideally 1mg of Fentanyl prior to sternotomy (dependent on blood pressure, may be less). If BP very high, may give up to additional 500mcg, manage any further with gas and/or TNG
5. connect blood warmer to one of the stop cocks from your cordis or 16g peripheral IV (assuming IV runs well).

While on bypass:

1. rewarming meds: 50mg Rocuronium (or 10mg Vec or 10mg cisatra) and 1-3mg Dilaudid (depending on age of pt.) - to be given when esoph temp is 34oC
2. put stick of neo and ephedrine in bolus line in preparation for coming off bypass
3. communicate with perfusionist regarding blood pressure. I'm fine with their using a touch of neo boluses occasionally to bump the pressure, but I would prefer to start a vasopressor infusion to maintain steady blood pressure rather than the perfusionist constantly bolusing sticks of neo with concomitant swings in blood pressure.
4. draw up glyco and neostig in separate syringes for later (we'll discuss).

Post-bypass:

1. Start precedex at 0.7mcg/kg/hr if you haven't bloused on bypass and pt not bradycardic
2. Protamine – draw up in a syringe (no buratrol). 1cc test dose as bolus. Wait full three minutes. Then proceed with a few cc's every couple of minutes via syringe.
3. OGT in for transport to ICU
4. Propofol infusion for transport to ICU

PHARMACY:

I. INFUSIONS

a. Hang on Pump at beginning of case:

- Amicar 5g/250cc (see bolus/infusion instructions above)
- Norepinephrine 16mcg/cc
- Propofol

b. Have available in room, but do not need to hang at beginning of case unless we discussed

- milrinone
- dobutamine
- epinephrine
- insulin (start if glucose >180)
- vasopressin 1unit/cc
- nitroglycerine
- nicardipine (100mcg/cc)
- dexmedetomidine (400mcg/100cc) bottle unless patient is bradycardic at baseline

II. BOLUS MEDS (to be drawn up for every cardiac case)

Vasopressors:

Phenylephrine 100mcg/cc – 2 x 10cc premade syringes

Ephedrine 5mcg/cc – 1x 10cc premade syringe

Norepinephrine 16mcg/cc – 1 x 10cc syringe

Vasopressin 1unit/cc – 1 x 5cc syringe

Inotrope:

Epinephrine 10mcg/cc – 1 x 10cc syringe

Epinephrine 100mcg/cc – 1 x 10cc syringe

Vasodilators:

1. Nitroglycerine 20mcg/cc – 1 x 20cc syringe
2. CCB
 - a. Nicardipine 100mcg/cc – 1 x 10cc syringe
 - or
 - b. Clevidipine 500mcg/cc – 1 x 5cc syringe

II. BOLUS MEDS (cont)

Anti-dysrhythmics:

Esmolol 10mg/cc – 1 x 10cc syringe
Lidocaine 10mg/cc – 1 x 10cc syringe

Paralytics/reversal agents:

Succinylcholine 20mg/cc - 1 x 10cc syringe
Rocuronium (I prefer, unless liver or kidney dysfunction)
Glycopyrolate 0.2mg/cc – 1 x 5cc syringe
Neostigmine 1mg/cc – 1 x 5cc syringe
Atropine 0.1mg/cc – 1 x 10cc syringe (in box)

Opioids/Benzo's:

Midazolam 1mg/cc – 1 x 10cc syringe
Fentanyl 50mcg/cc – 1 x 20cc syringe (have another 20cc vial in room, but not drawn up)
Hydromorphone 0.2mcg/cc – 1 x 10cc syringe

Sedative Hypnotics

Etomidate 2mg/cc – 1 x 10cc syringe
Propofol 10mg/cc – 2 x 20cc syringe

Anticoagulant

Heparin 1000Units/cc – 1 x 60cc syringe