

Inclusion Criteria:

- Patients undergoing
 - Ganz Periacetabular Osteotomy
 - Surgical Hip Dislocation

Exclusion Criteria:

- Closed pelvic procedures



QR code for mobile view

Preoperative Care

Pre-Operative Medications & Instructions:

- Patient to drink carbohydrate-rich drink up to 2 hrs before surgery
- **Pre-op Labs**
- Celecoxib (Patients >25 kg, 100 mg PO)
- Midazolam per anesthesia team

Prior to Surgery Patient/Family Meets:

- Pre-op nurse
- Anesthesiologist
- Surgeon
- Child Life Specialists

Pre-op Labs

- CBC
- BMP
- Type & Screen
- ABO/RH
- HCG

Case Setup & Induction

Equipment & Orders:

- Infusion pumps
- Hotline with blood tubing
- Arterial line setup
- Have ultrasound (US) in room and order anesthesia US to capture image for arterial line and nerve blocks
- Block solution (ordered morning of surgery) with assistance from Acute Pain Service (APS) physician

Intraoperative Care

Multimodal Analgesia:

- Methadone 0.15 mg/kg IV (max typically 30 mg, but may differ depending on patient factors)
 - Administered at beginning of case
- Ketamine infusion to run at 5-10 mcg/kg/min
- Acetaminophen 12.5 mg/kg IV (max 1000 mg)
 - Administered at beginning of case and q6 hrs
- Consider dexmedetomidine infusion
- **NO** Ketorolac
- **Limit** IV opioids:
 - Fentanyl prn
 - Consider avoiding long-acting opioids
- Surgeon may inject local anesthetic at incision site
 - Please confirm max dose with surgery team

Regional Anesthesia:

Please involve an APS physician

- Discuss with surgeon at huddle
- Suprainguinal fascia iliaca nerve block + PENG (pericapsular nerve group) block prior to surgical start
- **Adjuncts:** Consider clonidine or dexmedetomidine and/or preservative free dexamethasone to prolong block

Surgical Considerations:

- Have cancellous bone available, but not opened
- Vancomycin powder for wound
- Foley to be placed and then removed prior to going to PACU

- **Antibiotics:**
 - Discuss at huddle
 - Cefazolin 30 mg/kg IV prior to incision and every three hours *unless documented allergy*
- **Antiemetics:**
 - Dexamethasone 0.1 mg/kg IV (max 12 mg)
 - Ondansetron 0.15 mg/kg IV (max 8 mg)
 - Administered at end of case
- **Tranexamic Acid:**
 - Loading Dose: 30 mg/kg IV (max 2 grams)
 - Infusion to run at 10 mg/kg/hour

Maintenance of Anesthesia:

- **Volatile or TIVA** maintenance at discretion of anesthesiologist
- **Normothermia:**
 - Utilize Bair Hugger
 - Goal intraoperative temperature 36° - 38° C
- **Euvolemia:**
 - Goal is clinical euvolemia; Plasmalyte at 3-7 ml/kg/hr (additional as clinically indicated)

PACU Orders

PACU Orders:

- Fentanyl 0.5 mcg/kg IV q5 min PRN pain
- Hydromorphone 5 mcg/kg IV q5 min PRN pain
- Diazepam 0.05 - 0.1 mg/kg (max 5 mg) IV x 1 PRN muscle spasm

[Prior to surgery algorithm](#)
[Inpatient algorithm](#)

This care process model is meant as a guide for the healthcare provider, does not establish a standard of care, and is not a substitute for medical judgement which should be applied based upon the individual circumstances and clinical condition of the patient.