

SPINAL FUSION

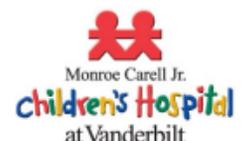
SURGICAL SITE INFECTION (SSI) PREVENTION BUNDLE

PRIOR TO SURGERY

- ◆ Preop clinic visit (or inpatient unit)
 - ◆ Staph colonization testing during preop clinic visit
 - If MSSA or MRSA positive, Mupirocin prescribed (3 x day for 5 days) prior to surgery
 - ◆ Skin assessment completed for presence of rash, acne, or skin conditions
 - If acne on or near surgery site, Minocycline prescribed and administered prior to surgery
- ◆ Night before surgery (home or inpatient)
 - ◆ Soap and water bath
 - ◆ CHG wipe application by patient/family (provided at clinic appointment)
- ◆ Holding Room
 - ◆ CHG wipe application
- ◆ Operating Room cleaned prior to patient arrival
- ◆ All implants and instruments available at VUMC 24 hours prior to surgery
 - ◆ Sterilized prior to surgery; NO implants processed via immediate use steam sterilization.

DURING SURGERY

- ◆ Antibiotic selection (administer prior to 1st incision and redose as indicated):
 - Cefazolin 30 mg/kg (Max: < 120 kg: 2 grams; ≥ 120 kg: 3g)
 - If allergy, Clindamycin 10 mg/kg (Max: 900 mg)
 - If MRSA colonization, Vancomycin 15 mg/kg (Max: 2g)
 - If Neuromuscular, Ancef & add Gentamicin 5 mg/kg (use adjusted body weight if obese)
- ◆ Hand hygiene performed using hospital approved scrub
- ◆ AORN surgical attire guidelines followed
- ◆ Hair removed with disposable clippers if applicable
- ◆ Surgery site cleaned and prepped
 - Cleaned with CHG scrub brush (using the sponge side) and alcohol
 - Chloraprep or Duraprep applied and allowed to dry for 3 minutes
 - Betadine soap (optional)
 - After prep dry, loban drape and surgery drapes applied
- ◆ Entire scrub team double glove for procedure
- ◆ Traffic limited in the OR
- ◆ Prior to incision closure
 - Irrigation with 500ml or more of Normal Saline
 - 1-2 gm Vancomycin powder applied
- ◆ Dressing placed after incision closure



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AFTER SURGERY

- ◆ If applicable, continue Mupirocin if not started or not completed before surgery
- ◆ Follow-up PCR at least 72 hours after Mupirocin completion (ideally when inpatient). If remains positive, repeat Mupirocin treatment
- ◆ Antibiotic re-dosed as indicated and discontinued ≤ 24 hours after surgery or when surgical drains removed
- ◆ Dressing change performed day of discharge, unless Prineo or incision wound vac dressing
 - Prineo: Removed in clinic 2 weeks after surgery
 - Incisional wound vac: Dressing removed in clinic 1 week after surgery
- ◆ Post-operative instructions provided to patients and family prior to discharge

