

EFFECTIVE MARCH 18th, 2014

## VP Shunt SSI Prevention Bundle Preoperative Preparation Education for Nursing

### Who

The revised VP shunt bundle will be implemented on VP Shunt insertions and revisions (*excluding EVD, Rickham, removal of VP shunt, and incision of peritoneum procedures*).

### Why the change

- Children's is participating in the CHA's Solutions for Patient Safety (SPS) Collaborative (formally known as the Ohio Collaborative). One of the Hospital Acquired Conditions (HACs) of focus for the collaborative is VP Shunt SSIs.
- Children's Minneapolis has similar VP Shunt SSI rates compared to other Children's hospitals participating in SPS, while Children's St. Paul has lower rates. The VP Shunt SSI prevention bundle is being revised to incorporate some additional SSI prevention measures.

### The VP Shunt Bundle

- Administration of preoperative antibiotic **45 minutes** prior to surgery unless indicated otherwise (Vancomycin unless contraindicated).
- Hair/head wash using chlorhexidine gluconate (Hibiclens).
  - **EXCLUDES ALL NEONATAL UNITS (NICU, ICC and SPECIAL CARE NURSERY) unless otherwise directed by physician. NOTE: Any future changes to this recommendation will be communicated.**
- CHG preop bath as a standard of care for **ANY** neurological procedure.
- As a courtesy the preoperative RN will call the inpatient RN 45-60 minutes prior to the patient's procedure as a reminder to complete the head wash and antibiotic.
- For off-hours cases (nights/weekends) surgery will prompt AR to remind the inpatient to complete the ABX and hair wash.

### What's New

#### For St Paul (this preop preparation is your current practice)...

- The order for preoperative antibiotic has a time frame attached to the order.
- New documentation.

#### For Minneapolis...

- The preoperative hair wash and preoperative antibiotic has a time frame attached to the order.
- New documentation.

# Documentation: Neurosurgery Shunt Preop PowerPlan

Neurosurgery Shunt PreOp (Planned Pending)

Component	Status	Details	Order Comm...
<b>Patient Care</b>			
<input checked="" type="checkbox"/> Order [Free Text]		Planned admit to PICU	
<input checked="" type="checkbox"/> Hygiene Activity		Activity Wash Hair, Use Hibiclens; Shampoo entire scalp	
<input checked="" type="checkbox"/> Peripheral IV Insertion		If not started after 1 attempt, page anesthesia to start IV. If child is a known difficult IV start, page anes...	
<input checked="" type="checkbox"/> Hygiene Activity (Chlorhexidine Bath)		Activity Bath, PreOp	
<b>Medications</b>			
<input checked="" type="checkbox"/> Conditional Local Anesthetic for Vascular Access			
<input checked="" type="checkbox"/> vancomycin (Vancocin HCl)		Give 5 mg IntraVENTricular Once, SYR	Pharmacy: S...
<b>Prophylactic Antimicrobials</b>			
<input checked="" type="checkbox"/> Vancomycin (Vancocin) max 1 g.			
<input checked="" type="checkbox"/> vancomycin (Vancocin HCl)		Give 15 mg/kg IV On Call, VIA	vancomycin (Vancocin HCl)
<input checked="" type="checkbox"/> diphenhydrAMINE (Benadryl)		Give 1 mg/kg IV On Call for Ob	Order Comment: Administer 45 minutes prior to the scheduled start time of case unless otherwise directed. Provides 6-8 hours of prophylactic antibiotic coverage. Additional doses may be necessary during extended surgical cases
<b>Diet</b>			
<input checked="" type="checkbox"/> NPO			
<b>Blood Bank</b>			

## Changes to Inpatient Preop Assessment Powerform for VP shunt preparation

**Universal Protocol Verifi**

**Patient ID using two patient identifiers**      **Procedure(s)**

Yes     No                       Yes   

**Pre-op Skin Prep**

CHG bath                       N/A

Pre-operative hairwash     Other:

Refused

**Pre-op Skin Prep Comments**

Unless contraindicated, CHG bathing cloths should be used for pre-operative bathing for operative procedures with an incision or puncture that breaches the skin.

Hibiclens (CHG) hair wash for VP shunt patients only.

Right click on the Pre-op Skin field to view reference text regarding CHG Skin Antisepsis.