

Surgical Skin Prep for Children's Memorial Hermann Hospital OR

Operating Room – Third Quarter
June, July and August 2016

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CMHH Surgical Skin Prep Chart



Service/ Procedure	First Line	Second Line	Service/ Procedure	First Line	Second Line
Burns	Chlorhexidine Gluconate 4%	Betadine Scrub/ Paint	Neuro (Neural tube defect, Spina Bifida)	Betadine Scrub/ Paint	Surgeon Preference #
Cardio/thoracic (ECMO, open chest w/ Esmark)	ChloraPrep	Betadine Scrub/ Paint	Neuro (Craniotomy, VP shunt, Spine)	ChloraPrep	Betadine Scrub/ Paint
ENT/ Face (Cochlear Implant)	Betadine Scrub/ Paint	Surgeon Preference #	Open Wounds	Betadine Scrub/ Paint	Chlorhexidine Gluconate 4%
Eyes	5% Betadine Drops and/or Betadine Sticks	Surgeon Preference #	Orthopedic (All cases, EXCLUDING open fractures)	ChloraPrep	Betadine Scrub/ Paint
General (Stomas, lap appy, inguinal hernia, rectal pull through)	ChloraPrep with Betadine 4x4 over stoma	Betadine Scrub/ Paint	Orthopedic (Open fractures)	Betadine Scrub/ Paint	Surgeon Preference #
Gynecology (Fetoscopy and repair myelomeningocele in utero)	ChloraPrep	Betadine Scrub/ Paint	Trauma (Open wound, acutely emergent)	Betadine Scrub/ Paint	Chlorhexidine Gluconate 4%
Vagina (Internal)	Betadine (PAINT ONLY)	Surgeon Preference #	Trauma (if time permits)	ChloraPrep	Betadine Scrub/ Paint
Urology (Circumcision, orchiopexy, hypospadias, epispadias repair)	ChloraPrep	Betadine Scrub/ Paint			

Specific *Directions for Use* of each Skin Prep Agent Follows

BETADINE SCRUB & PAINT



***The general rule for all preoperative skin preps is to prep from the least contaminated to most contaminated*

1. Place 1010 drapes to line patient per protocol.
2. Place drip towels on either side of patient to catch excess solution.
3. Apply the 7.5% Betadine scrub solution in concentric circles for a minimum of 5 minutes. This can be achieved with multiple sponges. Each time the sponge is used, discard after proceeding to periphery. If needed, proceed to next incision area-neck/abdomen in same fashion making sure all areas have been prepped.
4. Blot with sterile towel.
5. Apply the 10% Betadine paint solution in a concentric circle starting at the incision site outward to the periphery. Allow the solution to have full contact time of at least 2 minutes for full efficacy. Do not blot or wipe away.
6. Do not instill 10% Betadine paint solution into the eyes. Eyes need to be closed and secured with Tegaderm before beginning the prep.
7. If prepping the ear, do not instill any Betadine into the ear canal. A cotton ball may be used.
8. Remove all saturated materials prior to draping.

1. **Place 1010 drapes** to line patient per protocol.
2. **Place drip towels** on either side of patient to catch excess solution. Be mindful of the head and neck region. Open sterile gloves based on hospital policy.
3. **Choose appropriate size applicator** based on needs of the patient. (3ml or 10.5ml may be most appropriate.)
4. **Apply the ChloraPrep solution starting at the incision site** for 30 seconds for dry sites, 2 minutes for moist (groin/axilla) with gentle back and forth scrubbing motion. After the **30 seconds** has been achieved progress out ward to the periphery with scrubbing motion.
5. **Allow solution to dry completely for a minimum of 3 minutes in non-hairy area or up to 1 hour in hairy areas.**
6. Do not blot or wipe away solution. Remove all saturated materials prior to draping.

CHLORHEXIDINE SOLUTION

(4% Aqueous)

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1. Place drip towels on either side of patient to catch excess solution.
2. **Apply 4% CHG** in concentric circles with a scrubbing motion for 2 minutes from incision site to periphery. Use half of sponges available. Each time the sponge is used, discard after proceeding to periphery.
3. **Blot** with sterile towel.
4. **Reapply** 4% CHG in concentric circles with a scrubbing motion for 2 minutes from incision site to periphery. Use remaining sponges. Each time the sponge is used, discard after proceeding to periphery
5. **Blot** with sterile towel.
6. **Remove** all saturated materials prior to draping.