STEINMAN PIN, ASSISTING WITH INSERTION OF

POLICY STATEMENT:

A Steinman Pin is to be inserted by an orthopedist with assistance from an RN, EMT, or ORT.

PURPOSE:

Prepare patient for application of balanced skeletal traction to stabilize fractured bone(s).

SPECIAL INFORMATION:

1. Signed informed consent is required by patient or legal guardian.
2. Check two forms of patient identification prior to procedure.
3. Assess patient for comfort level prior to procedure. Consider pre-medication. Assess for comfort during and after procedure and intervene as appropriate.
4. Procedure performed by physician only with assistance as necessary.
5. Requires sterile technique.
6. Hospitalization required after insertion.

EQUIPMENT LIST:

1. Steinman pin tray
2. Hand drill
3. Steinman pin cutter
4. Hospital bed (housekeeping will obtain)
5. Traction cart (EMT's, CSS or nursing supervisor will obtain)
6. Air or silicone mattress on bed (CSS or nursing supervisor will obtain)
7. Small sterile basin
8. Prep sponges
9. Sterile water
10. Betadine scrub and ointment
11. Razor
12. Betadine prep
13. 2% Xylocaine
14. 12 cc syringe
15. 22 gauge 1'' needle
16. Sterile gloves
17. Sterile towels (4)
18. #15 knife blade (sterile)
19. Adaptic 3'' X 3'' (2)
20. 4 X 4 sponges (2)
21. Kling 2'' (1)
CONTENT:

1. Wash hands, apply gloves.
2. Position patient supine. Traction devices and splints will be removed under direction of physician. Assist with placing pillow under affected leg.
3. Open Steinman pin tray on Mayo stand using sterile technique. Tray includes:
   - Pins - smooth and threaded
   - Drill, Ruler, Hemostat, Scissor, #3 Knife handle,
   - needle holder, tissue forceps, ring forceps,
   - 4X4's.
4. Assemble the following: 12 cc syringe, 22 gauge 1 1/2" needle, #15 knife blade, 2% Xylocaine, Steinman pin cutter, sterile towels.
5. Assist the physician as he preps, drapes, and injects the surgical site with Xylocaine.
6. Physician will select Steinman pin, place it in drill and insert it.
7. After pin inserted physician will place betadine ointment at pin sites, an adaptic and sterile 4 X 4 sponge, slit to fit around pin and cover the pin sites, then wrap wound sites with 2 X 2 kling.
8. Physician will use pin cutter to remove sharp end from Steinman pin and apply rubber end caps (included on Steinman pin tray).
9. Patient will be moved to hospital bed. Bed should already be fitted with silicone mattress and over bed frame.
10. Physician will connect traction. Have adequate personnel present to life patient over to bed.
11. Clean up after procedure and place soiled equipment in dirty utility room.
12. Remove gloves, wash hands.

DOCUMENTATION:

Document procedure including date, time, affected limb, amount of traction applied, observations of limb and response of patient.

REFERENCE:

Nursing Procedures, Springhouse, 2000, p.9. 633