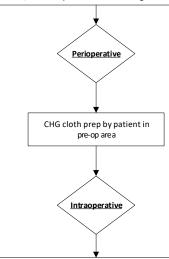
Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis

THIS PATHWAY SERVES AS A GUIDE AND DOES NOT REPLACE CLINICAL JUDGMENT.



- Orthopedics RN to review "Scoliosis Pre Op Integrative Medicine Informational Questionnaire" with patient and family (Appendix A)
 - Patient referred to Integrative Medicine as outpatient if patient/family is interested (Dr. Ana Verissimo 860-837-5758)
- Patient to be given prescriptions for the following medications, which are to be started 1 day prior to surgery:
 - o Gabapentin 300 mg TID (for patients " 50 kg)
 - o Polyethylene glycol 17 g daily (give a 7 day supply)
- CHG cloths for skin cleansing
- For uncomplicated cases, set the expectation that discharge will be POD#3 (POD#4 if necessary)



Prep:

Chloraprep to skin when prone on table x2

Hemostasis

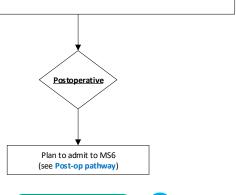
- Transexamic acid bolus (50 mg/kg) with continuous rate of 10 mg/kg/hr
- Aquamantys bipolar cautery for neuromuscular cases or long fusions

Adjunctive Pain and Infection Control:

- Tobramycin (1.2 g powder) or Vancomycin (1 g powder) mixed with allograft or layered on top
- Epidural placed at convenient level
- Hemovac drain placed sub or supra fascial

Closure:

- 1 Vicryl pop-offs for fascia supplemented with #2 Quill stitch
- 0 and 2-0 vicryIs for subcuta neous
- 3-0 monocryl for skin
- Dermabond for skin



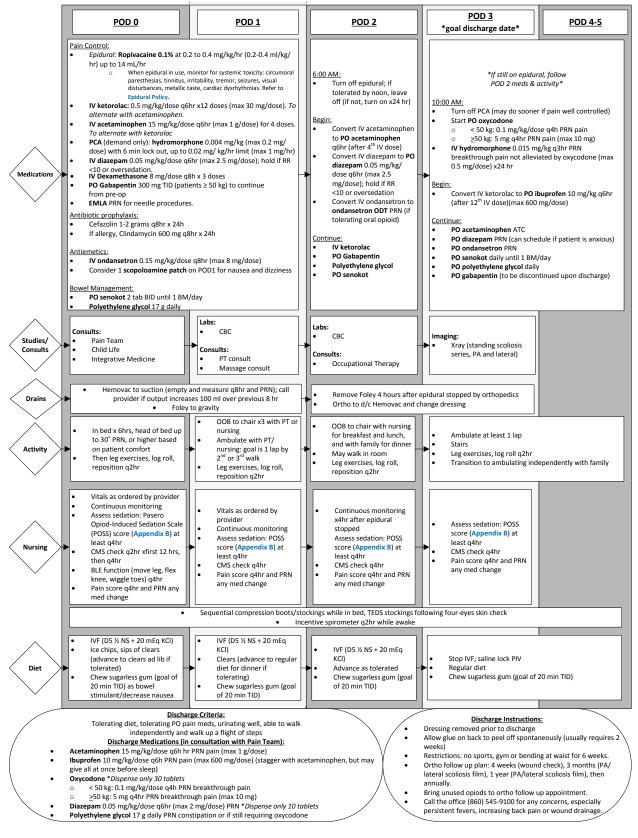
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Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis

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RETURN TO THE BEGINNING





CLINICAL PATHWAY:

Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis Appendix A: Scoliosis Pre-Op Integrative Medicine Informational Questionnaire

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Studies suggest that teaching patients self-relaxation and self-coping strategies before and after surgery can assist with decreasing anxiety, pain and discomfort. Connecticut Children's Pediatric Surgery Department has performed research to study the effects of relaxation strategies before and after a "Nuss procedure" (chest repair surgery). The results showed that patients who learned relaxation strategies did better after surgery, and used less pain medication, than those who did not learn relaxation strategies.

Connecticut Children's Orthopedic and Physical Therapy Departments are interested in studying if similar relaxation strategies, such as breathing and imagery, can help patients who will have scoliosis surgery. The purpose of this questionnaire is to help us identify patients who may be interested in learning these relaxation strategies (particularly if you check "yes" to any of the questions below).

If you check "yes" to questions 1-3: please ask Dr. Lee or Dr. Thomson to place a referral to meet with Dr. Verissimo before surgery

If you only check "yes" to question #4: please ask information about Child Life, as they can assist with "pill swallowing"

Pre-op scoliosis patient/family questions:

- 1. Is your child anxious about the scoliosis surgery? Yes/No
 - 2. Does your child have 'anxious' tendencies? Yes/No
 - 3. Does your child have back pain? Yes/No

4. Can your child swallow pills? Yes/No (your child will likely need to swallow medication including "pain" pills while in the hospital and at discharge)

Thank you.

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Phone: 860-837-5758

POSS Scale

(Pasero Opioid-Induced Sedation Scale)

Sedation Level	Description	Nursing Intervention
s	Sleep, easy to arouse	Acceptable, no action necessary; may, consider increasing dose if needed
1	Awake and alert	Acceptable, no action necessary; may, consider increasing dose if needed
2	Slightly drowsy, easily aroused	Acceptable, no action necessary; may, consider increasing dose if needed
3	Frequently drowsy, arousable, drifts off to sleep during conversation	UNACCEPTABLE; closely monitor respiratory status and sedation level; notify prescriber
4	Somnolent, minimal or no response to verbal and physical stimulation	PAUSE OPIOID INFUSION; UNACCEPTABLE; closely monitor respiratory status and sedation level; notify prescriber; consider narcan

The POSS Scale is a validated tool used to assess sedation after every opioid administration (For example: Fentanyl, Morphine, Oxycodone)

Instructions

- 1. Complete POSS score within 1 hour of every opioid administration, including ATC and prn dosing.
- 2. Complete POSS and pain re-assessment at the same time
- 3. Document the level of sedation that best describes the assessment of your patient's sedation

For Patients on a PCA/NCA or continuous infusion:

- 1. Assess POSS sedation level/respiratory status every 1-2 hours for the first 24 hours and with a dose change
- 2. After 24 hours and stable assess POSS every 4 hours with pain assessment and vital signs

In the PICU POSS is not used when the patient is intubated as long as the patient is being assessed with a validated sedation tool (For example: SBS)











