



Abdominal Wall Reconstruction Comprehensive Care Pathway

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**NOTE: Pathway only applies to patients undergoing AWR/complex hernia repair, not patients undergoing minor hernia repair. Please speak with the attending surgeon for Qs.*

Pre-op Holding area

1. **Oral premedication** with acetaminophen (1000mg PO), celecoxib* (400mg PO) & gabapentin (600mg PO) if no contraindications. (*Contraind: Hx CAD, CKD, PUD/GI ulcer, bleeding)
2. **DVT prophylaxis** - 5,000 units unfractionated Heparin in preop.
3. **Accelerated bowel function - Entereg (Alvimopan)**** 12 mg PO x1 Pre-operatively, then BID until +documented bowel function or POD#7.
ONLY for complex AWR cases
4. **(Thoracic epidural) – Not routinely used for AWR patients**

Immediate Post-Operative Care: Ward Patients

1. **Brief operative note** using “GSBRIEFOPNOTEHERNIA1” template (under Dr. Orenstein’s SmartPhrase list).
2. **Activity:** Order placed to Ambulate at least TID
3. **Diet:** *Ensure proper diabetic version is ordered, if applicable.
 - a. **POD#1** – Unlimited Clear liq + TID clear liq protein supplements [IsoPure]
 - b. **POD#2** – Regular diet + TID Protein supplements (can switch to milk-based shakes, if desired).
 - c. Nancy’s yogurt (or yogurt containing Lactobacillus plantarum, L. casei, L.rhamnosus, or L.reuteri) → ordered at least once daily starting POD 1.
4. **DVT prophylaxis**
 - a. **POD#0:** Switch to prophylactic dosing of Lovenox the evening of surgery (dosed as standard PM dosing on POD#0).
 - i. NOTE: The patient receives a single preop dose of 5,000 units of unfractionated Heparin in the preop holding area.
5. **Postoperative Antibiotics** – No routine abx unless:
 - a. High concern for infection, infected mesh removal, chronic MRSA infection, ...
 - b. Treat with abx until final intra-operative cultures are neg.
6. **Entereg (Alvimopan)*** → 12 mg PO x1 Pre-op, then BID until + documented bowel function or POD#7. *This may not apply to all AWR patients.
7. **Bowel Regimen**
 - a. Scheduled Colace 100mg PO BID + Senna 1 tab PO BID
 - b. PRN Milk of Mag 30 mL PO BID (start POD#4 if no BM)
 - c. PRN Dulcolax suppository* (*only if passing flatus)

8. Fluids

- a. POD#1: D5 ½ NS w/ 20 KCl @75/hr
- b. POD#2: Cont MIVF; Heplock at end of POD#2 if tol PO
- c. POD#3: Heplock if not done on POD#2

9. Foley catheter – removed on POD 1 unless needed for monitoring.

10. Analgesia – Multi-modal pain therapy

- a. (If epidural, this will be managed by the Acute Pain Service.)
- b. TAP (Transversus Abdominis Plane) Block – intraoperative
- c. Hydromorphone PCA until POD#3, then transition to oxycodone
- d. Oxycodone 5 mg PO 1-2 tabs q4-6 hrs PRN starting on POD#3
- e. Acetaminophen 1000 mg PO q 6 hours (scheduled, not PRN)
- f. Gabapentin 300 mg PO TID during hosp. (scheduled; not for discharge)
- g. Diazepam* (for muscle spasm) Give 2 mg PO q6 hrs x 48 hours
- Scheduled, not PRN, with HOLDING PARAMETERS for sedation).
- *DON’T order if Hx OSA, age ≥65, or poor renal function. (not for discharge)

11. Post-operative monitoring: For patients with BMI >35 or anyone with OSA, post-op orders to include continuous pulse oximetry with remote telemetry until IV or epidural opioids have been discontinued.

12. Abdominal binder ordered for comfort only.

13. Physical Therapy to evaluate and treat on POD 1.

14. Labs: CBC, Renal function set and magnesium to be ordered for POD 1, then only as indicated thereafter.

15. Drains: should be stripped twice daily on rounds by MD, and by RNs TID. To be removed sequentially once output is less than ~30 ml/24 hours and non-bloody. If more than one drain is in place within a given space, then only one drain per space is to be removed at a time.

Miscellaneous:

- High rate of DVT/PE in these patients – have low threshold to get bilateral duplex and/or chest CTA
- The pathway revolves around patients tolerating their diet. With small emesis, nausea, bloating/distention, OK to wait for symptoms to improve/resolve and then advance.
- **NGT placement defines being completely off the pathway.**
- Drain removal may be a limiting factor for early discharge. This will be dealt with on a case-by-case basis, but with goal of 30cc/day.