

Surgical Intensive Care Unit Head and Neck ENT Service Pathway

- I. Purpose:** To standardize the management of patients who undergo head and neck cancer resection with flap reconstruction.
- II. Process:**
- A. Free Flaps:** These patients will be in the unit for at least 72 hours (flap checks q1hour x 48 hours, q2hours x 48 hours, q4hours until discharge).
 - B. Pectoralis or Latissimus Flaps:** These patients will be in the unit for 24h for airway monitoring after total laryngectomy. They do not require flap checks as it is a rotational flap. Otherwise, they follow the same pathway as free flaps. If they are in the SICU longer than 24 hours, continue to follow the below.

POD # 0	POD #1	POD #3
<p>NPO</p> <p>D10W @30 mL/hr/Plasmalyte @70 mL/hr</p> <p>D/C arterial line after AM labs</p> <p>Daily BMP, Mg, PO4* until POD 4</p> <p>Nutrition Consult for tube feeding needs</p> <p>PT/OT consult</p> <p>*Refeeding syndrome/refeeding phenomenon: If PO4 <1.4mg/dL, stop feeding and replace/recheck before resuming feeds at trickle and consider daily thiamine x 7 days</p>	<p>Trickle tube feeds (20 mL/hr) (Nutren 1.5 as standard formula but review dietician's recommendations)</p> <p>Perioperative antibiotics x24H</p> <p>OK for per tube meds</p> <p>*Multimodal pain regimen</p> <p>PRN oxycodone 5 mg and 10 mg</p> <p>PRN IV dilaudid for breakthrough</p> <p>DC Foley/art line if not already done</p> <p>Out of bed to chair/ambulation</p> <p>DC D10W and continue Plasmalyte @ 70 mL/hr</p> <p>*Scheduled Tylenol/Consider addition of scheduled gabapentin</p>	<p>Change to bolus tube feeds</p> <p>Initiate homebound TF teaching</p> <p>Add additional free water as clinically indicated</p> <p>D/c stress ulcer prophylaxis if not a home medication</p> <p>Ambulate as tolerated</p>

- C. Common Complications:** Aside from EtOH withdrawal, complications are RARE with ENT patients. These include:
- a. Urinary retention:**
 - i. Voiding trial – remove Foley POD 1, and if no void in 4 hours, bladder scan and/or I/O cath x2 attempts. If no void after 2 I/O cath, replace foley
 - ii. If voiding trial failed, start Cardura 1 mg daily (tamsulosin cannot be crushed). Maintain foley until 2 doses of Cardura has been given. If patient fails voiding trial again, maintain foley and consult urology for outpatient follow up.
 - b. EtOH withdrawal/DTs:**
 - i. Consider medical options (dexmedetomidine, lorazepam, diazepam). We do NOT use the CIWA protocol in the ICU setting, but do initiate CIWA scoring.
 - ii. Discuss with ICU attending.
 - iii. Give multivitamin once per day, thiamine 100 mg once per day, and folate 1 mg once per day x3 days total.
 - c. Periop MI (RARE):**
 - i. Biggest issue will be whether or not to anticoagulate (Cardiology, ENT attending and SICU attending will make this call)
 - ii. Otherwise manage as any other ACS patient
 - iii. Patients who have been seen in the HiRise clinic may be on the HiRise protocol which incorporates daily troponin/BNP with treatment algorithms based on the results (see HiRise protocol in SICU Box Resources)
 - d. Hypotension**
 - i. The team should assess volume status, cardiac function, and CBC as part of the standard workup for postoperative hypotension
 - ii. It is preferred to avoid the use of phenylephrine in patients with flap reconstructions

References:

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