Do not cut any HN specimens unless you are fully oriented anatomically

- Orient by anatomic structures (oral tongue, junction of buccal/gingival mucosa, alveolar ridge, angle of jaw, hard palate, etc)
- For mandibulectomies/maxillectomies, please ask for help if unsure
- Ink resection margins
- Describe all abnormalities: size (*staging cutoffs: 2 cm, 4 cm*), location, extent, depth (*staging cutoffs: 0.5 cm, 1 cm*), distance to margins
- Sample all margins (if grossly close, e.g. 1 cm, submit perpendicular section; otherwise submit a shave of the margin closest to tumor)
- Sample tumor:
  - Show relationship to peripheral/deep margins
  - Show maximum depth of invasion
- Specimens containing mandible or maxilla:
  - Bone margins
    - Sections of bone adjacent to tumor or gross involvement of bone
- Diagrams and gross photos are appreciated
Specimen Type: HEMILARYNGECTOMY

Procedure:
1. Fix the specimen for at least 2-4 hours
   a. Specimen will consist of true and false cord and underlying cartilage
2. Separate the soft tissue of the entire vocal cord from the underlying cartilage
3. Section vertically at 2-3 mm internal to include true and false cord
4. Submit each level in separate cassettes, entirely and sequentially

Gross Template:
Labeled with the patient’s name (last name, first name), medical record number (#), designated “***", and received [fresh/in formalin] is a total laryngectomy measuring *** cm (superior-inferior) x *** cm (right-left) x *** cm (anterior-posterior).

The laryngeal mucosa is remarkable for [describe any lesions including color, size, location, and extent of anatomical landmarks]. The remaining mucosa is [tan, smooth, unremarkable]. Representative sections are submitted [describe cassette submission).

Cassette Submission: 10-15 cassettes
- Submit each slice in separate cassette sequentially, to allow for proper localization of the tumor
Cancer in:
- pre-epiglottic space
- soft tissues anterior to thyroid cartilage
- including strap muscles

- Epiglottis
- Pre-epiglottic space
- Thyroid cartilage
- Strap muscles
- Cricoid cartilage