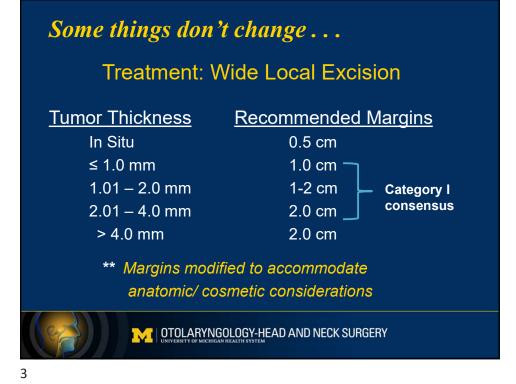
**OTOLARYNGOLOGY-HEAD AND NECK SURGERY** 

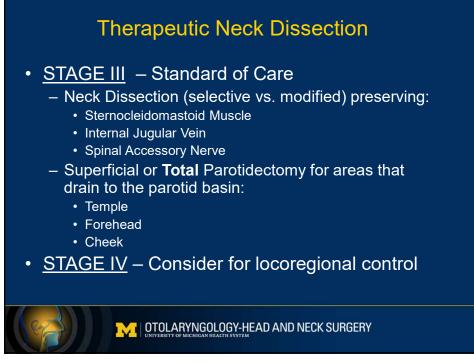
# Update on Head & Neck Melanoma

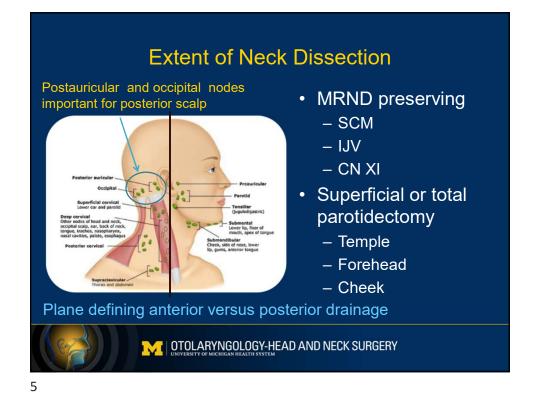
# Kelly Michele Malloy, MD, FACS

Associate Professor & Fellowship Director Associate Chief Clinical Officer, Surgical Services University Hospital, Michigan Medicine









Sentinel Lymph Node Biopsy	
<ul> <li>Most important prognostic factors for melanoma include:         <ul> <li>Primary tumor depth of invasion.</li> <li>Ulceration at the primary site.</li> <li>Regional lymph node involvement</li> </ul> </li> </ul>	
<ul> <li>Pathologic status of SLN is <i>the most important prognostic</i> <i>factor</i> for both recurrence and survival</li> </ul>	
612 Stage I/II Patients	
Tumor Thickness	HR = 1.23
Clark Level > III	HR = 2.32
SLN Status Ge	HR = 6.53 rshenwald, et al. <i>J Clin Oncol</i> . 1999; 17: 976-983

# Indications for SLNB

- N0
- T1b or greater
- Other adverse prognostic variables to consider:
  - Tumor extension to deep margin
  - Ulceration
  - Lymphovascular invasion
  - Extensive regression to 1.0 mm
  - Young age
  - High mitotic rate (≥ 1mm)







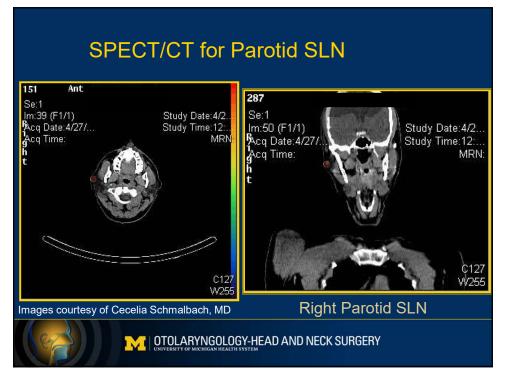


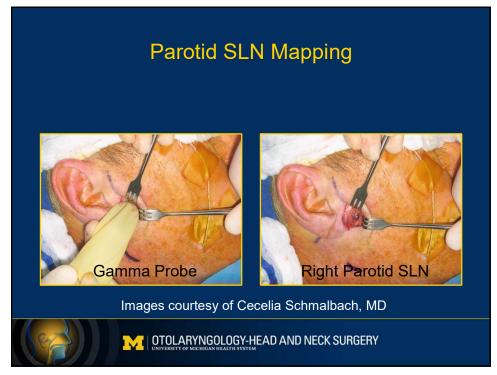


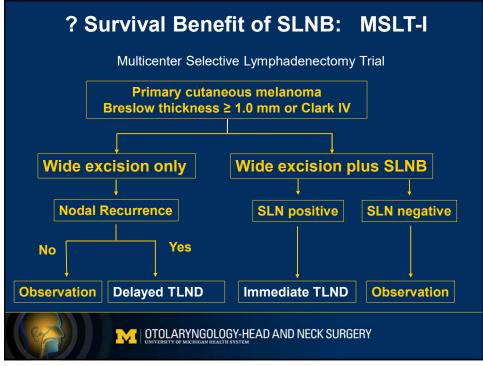


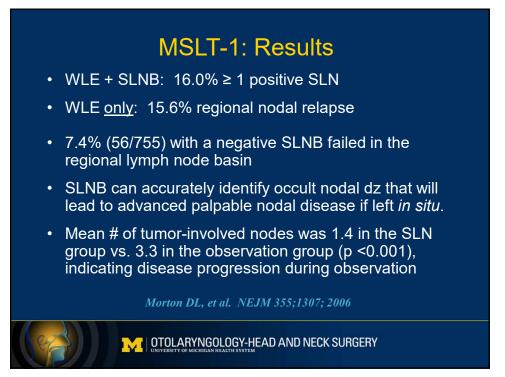


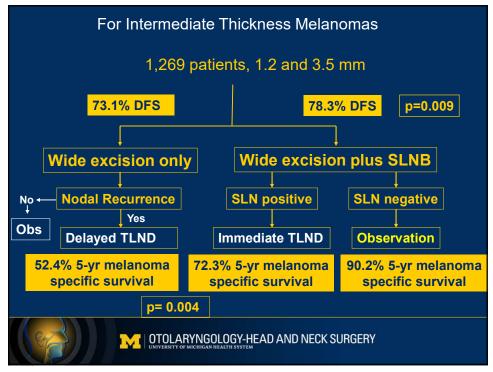


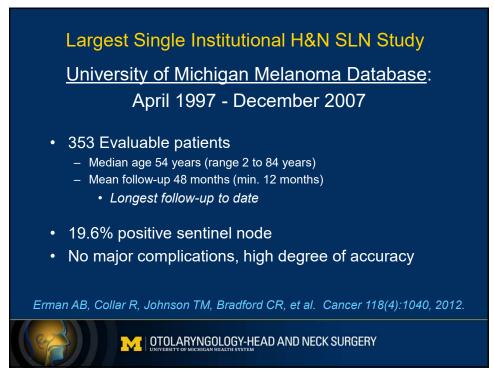


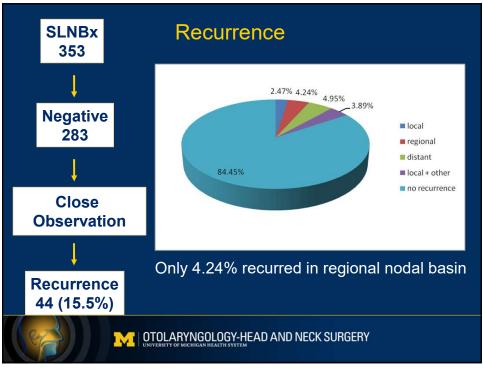


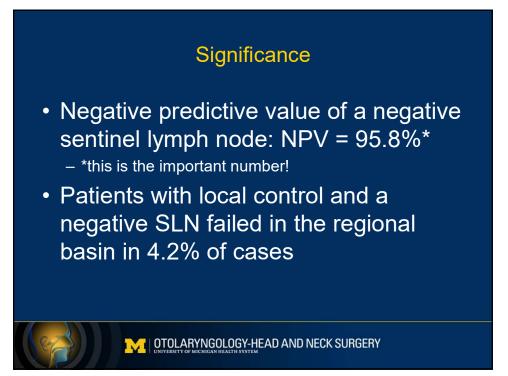


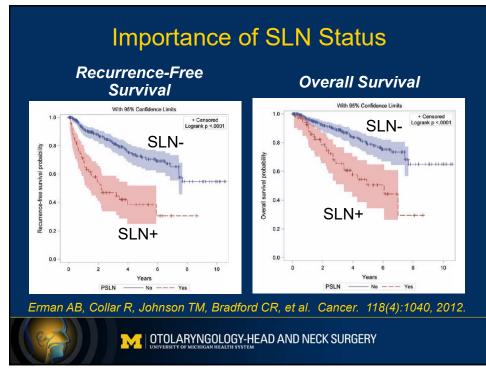




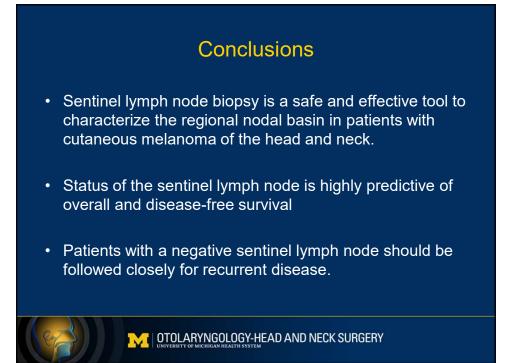


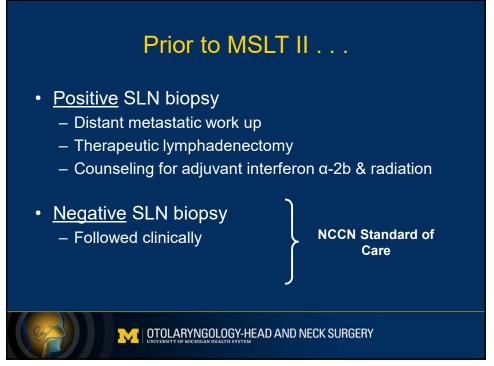


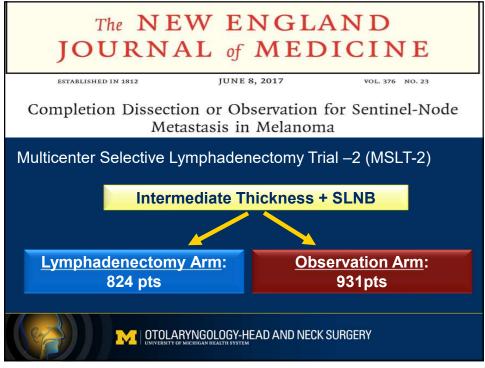


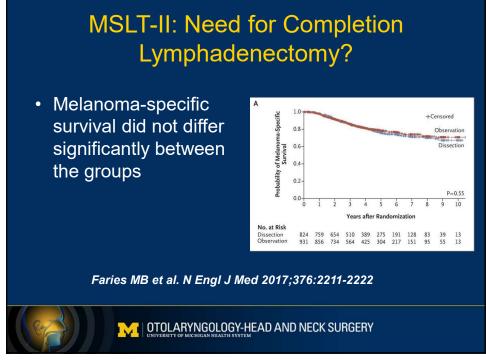


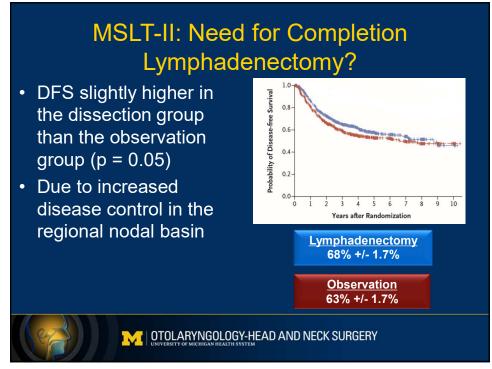
### A Positive SLN is Predictive of Poorer Survival: **Best Fit Multivariate Model** Characteristic Hazard Ratio P (95% CI) Breslow depth, 1-mm increase 1.15 (1.04-1.27) .0049 **Recurrence-Free** Age at diagnosis, 1-year increase PSLNB 1.03 (1.02-1.04) <.0001 Survival 4.23 (2.73-6.54) <.0001 Abbreviations: CI, confidence interval; PSLNB, positive sentinel lymph node biopsy. Characteristic Hazard Ratio P (95% CI) Overall 2.05 (1.22-3.45) Ulceration, present vs absent 0069 1.03 (1.02-1.05) Age at diagnosis, 1-year increase <.0001 Survival PSLNB 3.33 (1.99-5.58) <.0001 Abbreviations: CI, confidence interval; PSLNB, positive sentinel lymph node biopsy. Erman AB, Collar R, Johnson TM, Bradford CR, et al. Cancer. 118(4):1040, 2012. OTOLARYNGOLOGY-HEAD AND NECK SURGERY

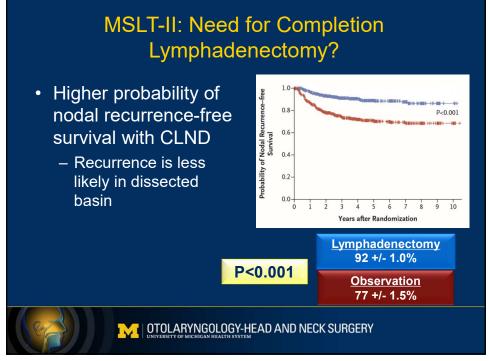






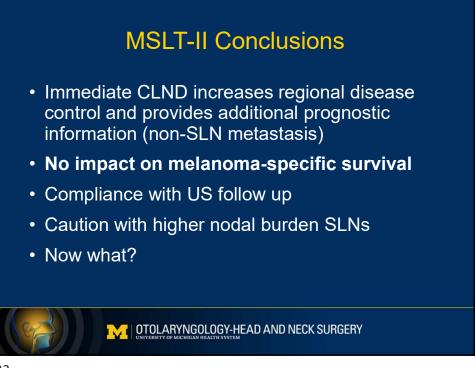






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OTOLARYNGOLOGY-HEAD AND NECK SURGERY

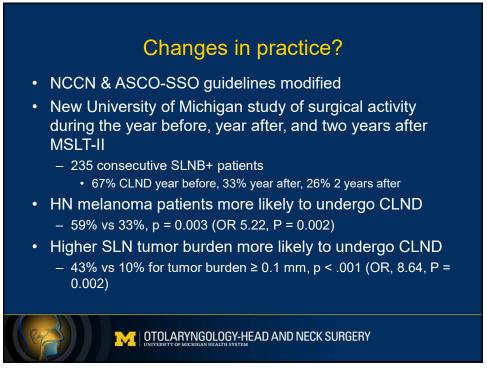


# **MSLT-II** Implications

- Immediate CLND no longer the default decision
- Patient-centered shared decision making
- Positive non-sentinel nodes portend a poor prognosis
  - CLND opportunities to drive adjuvant RX?
- Unclear if observation protocols can be safely applied to patients with larger nodal metastatic deposits
  - MINITUB trial of the European Organization for Research and Treatment of Cancer (EORTC)
  - Examining small metastases and patterns of nodal burden (i.e. subcapsular vs parenchymal location)
  - Results expected in 2023



OTOLARYNGOLOGY-HEAD AND NECK SURGERY



## Summary

- We are seeing steady, progressive adoption of regional observation in appropriate SLNB positive patients
- Reticence applying new recommendations to the group that was least represented in the MSLT-II cohort
- Low enrollment of HN patients in large melanoma trials is a common challenge and one that must be addressed in future trials
- In the meantime, as the data evolves and surgeons gain experience with surveillance protocols, we must continue to make decisions with our patients based on the best available evidence

