

Patient

23 year old otherwise healthy female presents referred by endocrinologist after biopsy of an isolated right 3x3 cm thyroid nodule biopsy positive for papillary thyroid carcinoma. Ultrasound shows no suspicious central or lateral lymph nodes

Options:

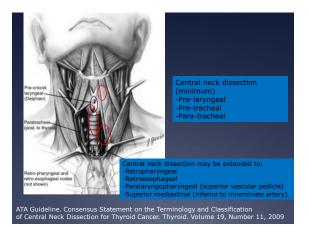
Total Thyroidectomy +/Central Compartment Lymph
Node Dissection

Micro versus Macrometastasis

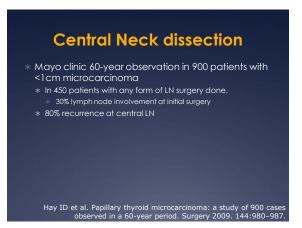
Micromets:*Clinically andRadiographicallyN0, but positive on patholgy

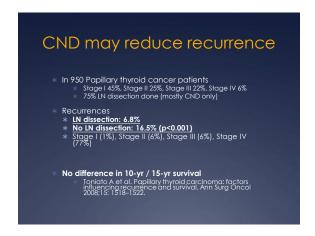
*Macromets

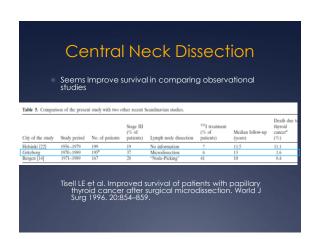
*Clinically or
Radiographically
positive

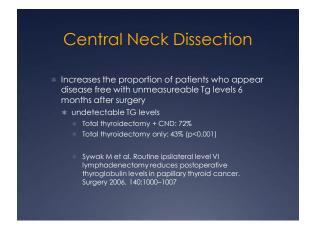


Central Neck dissection * SEER (Surveillance, Epidemiology, and End Results) database * 9904 Papillary thyroid cancer * Cervical LN met in papillary cancer of Age>45 * Independent risk factor for decreased survival * The most common site for lymph node metastases and DTC recurrence is within the central composition. * Roh JL et al. Total thyroidactomy plus neck dissection in differentiated papillary thyroid carcinoma patients: pattern of nodal metastasis, morbidity, recurrence, and postoperative levels of serum parathyroid hormone. Ann Surg 2007 245:604–610. * Central neck dissection may convert some patients from cN0 to pathologic N1a

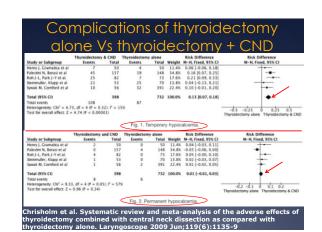


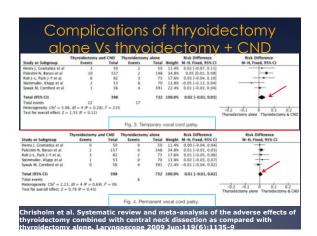


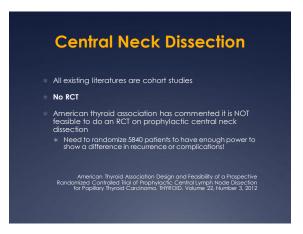


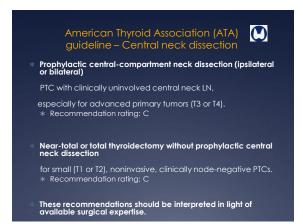


Central neck
dissection increases
complications?









My Protocol First perform an ultrasound (Even if it has already been done) If positive central/lateral appropriate neck dissection If negative and primary tumor is greater than 2cm (T2 or greater) then perform CCLND Why? – Endocrinologist preference – base I-131 dose on positivity