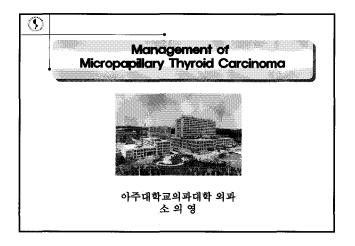
심포지움 3-2

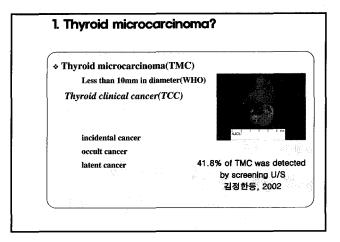
Management of Micropapillary Thyroid Carcinoma

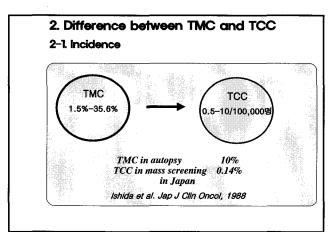
아주대학교 의과대학 외과학교실

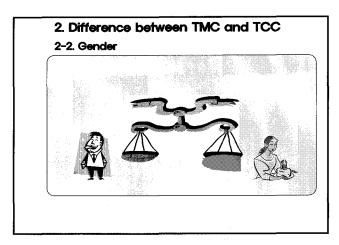
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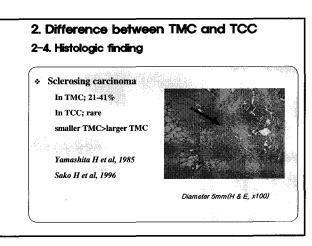








2. Difference between MTC and CTC 2-3. Histologic type Clinical cancer Microcancer Incidence percent Papillary 3182 1844 Follicular 438 11 131 Medullary 0.5 Undifferentiated 69 122 Lymphoma Squamous cell 2 Noguchi Thyroid Clinic 1966-1996



2. Difference between TMC and TCC

2-5. Recurrence

* TCC 10-14% recur 6-11% mortality * TMC recur 0-11% mortality 0-0.4%

3. Prognosis of MTC

3-1. Prognostic factors

- * In TCC; usually survival rate AGES, AMES, MACIS, EORTC, TNM, SAG......
- **❖ In TMC**; usually recurrence rate Vascular or capsular invasion, lack of lymphoid infiltrate, gross cervical nodes metastasis (Satge, 1990) Lymph node metastasis, extent of surgery (Hay, 1996) (Baudin, 1998) Multifocality, extent of surgery ECI of metastaticL/N, Absence of GD (Yamashita, 2000)

3. Prognosis of MTC

3-2. Prognosis in thyroid resection

- Hay et al, 1987
- In low risk patients

No difference in survival rate between lobectomy and bilateral resection

> In high risk patients

Higher survival rate in bilateral resection than lobectomy alone

- Baudin et al, 1998
- Unilateral single nodule unilateral resection

recurrence <3.3%

recurrence5%: 20%

Unilateral multiple nodules

Unilateral · hilateral resection

3. Prognosis of MTC

3-3. Prognosis in L/N dissection

* 1743 patients with TMC

(Noguchi Thyroid Clinic, 1970-1994, Mean F/U 11.2 years) 31 patients(1.7%) Recurrence Thyroid cancer related death 4 patients(0.2%)

Manner of excision	Total No. of Patients	No. of Patients with Recurrence	Recurrence rate(%)
No nodes excised	1419	17	1.2
Prophylactic	234	5	2.1
Therapeutics	90	9	10.0
Total	1743	31	1.8

3. Prognosis of MTC

3-4. prognosis

Univariate analysis between recurrence and factors

Nodal factors

Extracapsular invasion, gross nodal metastasis, microscopic nodal metastasis, number of examined lymph node

Coexisting benign lesions

Graves' disease, adenomatous goiter, chronic thyroiditis, follicular adenoma,

Age

Gender

Multivariate analysis

Extracapsular invasion and absence of Graves' disease

Noguchi Thyroid Clinic, 1970-1994, Mean F/U 11.2years

4. Extent of Surgery

4-1. General aggrement in MTC

- *****Usually silent cancer –clinically & biologically
- *Recurrence rate is low and does not affect survival
- *L/N metastasis may affect recurrence, not survival rate
- *Multifocality may or may not risk factor for recurrence in TMC
- *Most recurrence can be cured after further neck surgery
- *Few cases show extensive node or distant metastasis initally

4. Extent of Surgery

4-2. Thyroid gland

* usually recommended less than total thyroidectomy

Lobectomy single micropapillary carcinoma less than 1Cm

Bilateral resection

multifocal,

clicically evident cervical nodes, distant metastasis high risk patients(extrathyroidal extension in old age)

F/U with thyroglobulin level if recurred; completion thyroidectomy radioiodine scan and ablation therapy

4. Extent of Surgery

4-2. Lymph node

- * not palpable node, intraoperatively no L/N dissection. central compartment node dissection
- palpable node, intraoperatively central compartment node dissection limited L/N dissection
- * gross L/N palpable, preoperatively modified radical neck dissection

5. Operation

- **❖** Conventional surgery
- * Minimal invasive surgery
- * Endoscopic surgery



