ENDOSCOPIC THYROIDECTOMY

J.F. HENRY
- Department of Endocrine Surgery
  Hopital La Timone
  Marseilles

8th Postgraduate Course in Endocrine Surgery
  September 21-24, 2006
  Heraklion, Crete-Greece
Use of endoscopic equipment
MINIMALLY INVASIVE THYROID SURGERY

CONVENTIONAL SURGERY

MINIMALLY INVASIVE SURGERY

5 4 3 2 1
ENDOSCOPIC THYROIDECTOMY
Anterior Chest Approach
ENDOSCOPIC THYROIDECTOMY
Axillary Approach
ENDOSCOPIC THYROIDECTOMY
Breast Approach
(a) Central access
  - Endoscopic
  - Gasless technique

(b) Lateral access
ENDOSCOPIC THYROIDECTOMY
Potential Candidates

- Small nodules (< 30 mm)
- Small thyroid lobe (<20ml)
- No previous neck surgery
- No cervical irradiation
- No thyroiditis
ENDOSCOPIC THYROIDECTOMY

INDICATIONS

• Small nodules requiring surgery:
  - Suspicious follicular nodules
  - Toxic nodules

• Small nodular goiters
• Graves diseases
• «Low risk» papillary carcinomas
ENDOSCOPIC THYROIDECTOMY: INDICATIONS

Non toxic nodule:
- FNA
  - Benign: Follow up
  - Malignant: Conventional Thyroidectomy
  - Suspicious: Endoscopic Thyroidectomy

Toxic nodule:
- Suspicious: Endoscopic Thyroidectomy
ENDOSCOPIC THYROID LOBECTOMY

Thyroid operations: 5%
Lobectomies: 20%
ENDOSCOPIC THYROID LOBECTOMY

Central access

Lateral access
## ENDOSCOPIC THYROIDECTOMY

94 cases

- Suspicious follicular nodule: 86 cases
- Toxic nodule: 8 cases
- Mean operating time: 98’ (64-190)
- Conversions: 5 cases
- Complications: 2 cases
  - definitive recurrent palsy
  - hematoma
- Open completion thyroïdectomy: 4 cases
WHY CONSIDER ENDOSCOPIC THYROIDECTOMY?

- To reduce mortality?
- To reduce morbidity?
- To reduce operative time?
- To reduce hospital stay?
- To reduce costs?
- To reduce patient discomfort?
- To reduce wound morbidity?
ENDOSCOPIC / CONVENTIONAL THYROIDECTOMY

• Better patient comfort
• Better cosmetic result
ENDOSCOPIC THYROIDECTOMY

- Endoscopic Thyroidectomy must be proposed in carefully selected patients.
- Endoscopic techniques offer a magnified view and a light that permit a safe dissection.
- The potential advantages of endoscopic techniques are better cosmetic results and better patient comfort.
- Endoscopic and conventional techniques will probably turn out to be complementary in the future.