THE PANCOAST TOBIAS SYNDROME IN THE ADOLESCENT

A. DJEBBAR

Faculté de Médecine
Batna
First description: One century and half
Embryonic origine: Rarety

Characterized by:
- Classification
- Histogenesis
- Histological Difficult
- Prognosis (Unfavorable)
Observation

Miss M.R. : 15 years old, admitted

- Deterioration in his health
- Dry cough + left thoracic pains
- Rest dyspnoea
- Thoracic X Ray pathological

Uneventful Medical History: (10 Kg ≈ 6 months)

Family history: Father (Pneumothorax + Cutaneous Lupus)

Clinical examination:
- No fever
- Lean
- Whining
- Thoracic distortion in breastbone
- Digital hippocratism
CLAUDE BERNARD – HORNER Syndrome (Ptosis, Myosis, Enophtalmie)
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➢ Thoracic distortion in breastbone
➢ Digital hippocratism
Hippocratisme digital
The differential diagnosis

- **Carcinosarcoma:**
  - ✗: the épithélial elements = no tumor character
  - ✗: sarcomatous fusiform cell
  - ✗: central radiological seat

- **Sarcoma:**
  - ✗: absence of all other tumor this métastase.
Big child = Clinical curiosity

**History**

1838 Hare (Mc Donnel 1850, Muselier 1886, Ricaldoni 1919, Friedman 1921)

1924 Henry Pancoast

1931 J.W.Tobias

1942 Teyssier

**ETIOLOGY:**

Tumoral +++ ...

... Aneurysm

... Neurinome

.. T.B.cold abscess

Echynococcus VM.

2 à 5 %
**Reminder:**

**Bronchial tree:** completely organized → 40th day of the foetal day.

**Pulmonary draft forms** → 22nd days from the previous intestine

(Tracheal gutter)

Windpipe gives: 2 lateral buds → Bronchial tree by division dichotomic → this one penetrates neighboring mesenchyme

pulmonary interstitium.

Numerous Histo-Chimical studies

- Epithelial
  - +
- Mesenchymatous
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Epithelial + mesenchymatous
K  Unusually label in advance surgical
   * Radiological Sign  No
   * Clinical Sign  specific
   * Tum. & Pl. Cyto-puncture  little output

Transthoracic needle aspiration  +++

Tagge . . . . Every time +
C.P.: (-)

Personal case +
Pancoast tobias: Curiosity
Pulmonary Blastoma: Rare eventement

Diagnosis is essentially surgical
Can be asserted by Needle-biopsy +++

Prognosis remains nasty