

## Anamnesis

### 1. physical:

- noise
- radiation:
  - ionizing
  - non-ionizing: UV → agriculture, lifeguards, road workers
- vibration → hand-arm, total body
- temperature +humidity

### 2. chemical

- esp. dyes + dusts
- metals
- organic solvent

### 3. Physical-chemical

- fibrogenous powers: silicogenes + asbesteos → pneumoconiosis
- non-fibrogens: textiles, cereals → allergic/irritating effect → asthma, COPD

### 4. Biological

- Fungi, bacteria, viruses, parasites

### 5. Ergonomical (Osteo-musculo-articular) + neuro-psycho-sensory overload

- posture (prolonged standing, vicious positions)
- sustained heavy weight (max. 10kg female/ 20kg men)
- repetitive movement
- visual-pc operators
- welders (sweat cataract)

## Spirometry

1.FEV+TI decr. -> obstruction ->

bronchodilator: Asthma dg + DD: COPD

FEV>12%; FEF>25%

Bronchoconstrictor-test (methacholine): if normal spirometry, work-related

hyperreactivity -> <20% -> ! only if

FEV>60%, no pregnancy, ribfx, infection, glaucoma, rec. surgery, cardiac disease

2.FVC+FEV1+TET decr. -> restriction ->

Pletismography -> TLC decr.

(RV>125% in emphysema COPD,asthma)

## XRAY CODE

A: 1-5cm longest dimension (one or sum)

B: >5 but not exceed area ri. Upper lobe

C: exceeding equiv. area right upper lobe

0: absent small opacities (profusion)

1: few small opacities

2: mod./more than few conc. small op.

3: most numerous opacities

pqr (round) + stu (irreg)-> 1.5mm; 1.5-

3mm; 3-10mm [diameter vs. width]

aa = arteroscl. Aorta

ax = coalescence of small opacities

bu= bullae

ca= cancer

cn = calcific in small penumoconio opacit

co = abnormality cardiac size or shape

cv = cavity

em = emphysema

es = eggshell calcific hilar/mediast. LN

fr = rib fx (acute or healed)

hi = enlarge non-calci hilar/mediast.LN

me = mesothelioma

pi = pleural thickening (interlobar fissure)

tb = tuberculosis

od = other diseases or signif. Abnormality

## AUDIOGRAM

- Hypoacusis -> decr. >30db after

correction at 4000Hz (->neurosensorial if bone line)

- deafness -> decr >25db 500,1000,2000Hz

Voice -> 500-3000hz

Db -> 0 – 150(pain+hearing loss)

## CANCER MOVIE

-oven, dust, coal -> recur. Bronchitis,

pneuomonias ->lung Ca

- chimney sweeps (testicular cancer) ->

wash+cloths!

-chemo+radiotherapy->skin+ bone cancer

leukemia

-PVC->liver angiosarcoma

-chlorine gas->carcinogenic

-ABS (plastic material) -> -> carcinogenic

-Wood dust->ethmoid cancer

-benzene(glue)->leucemia

- chromium ->lung canc, nasal septum

perforation+ulcer

- alcohol->mouth, pharynx,larynx, esoph,

liver

-PAH->asphalt+chimney sw -

>liver,lung,eso