



Femme 35 ans.  
Douleurs  
mécaniques de la  
face dorsale  
du pied droit.



*obs. UCL Pr A van de Berg J Malghem*



Au total:

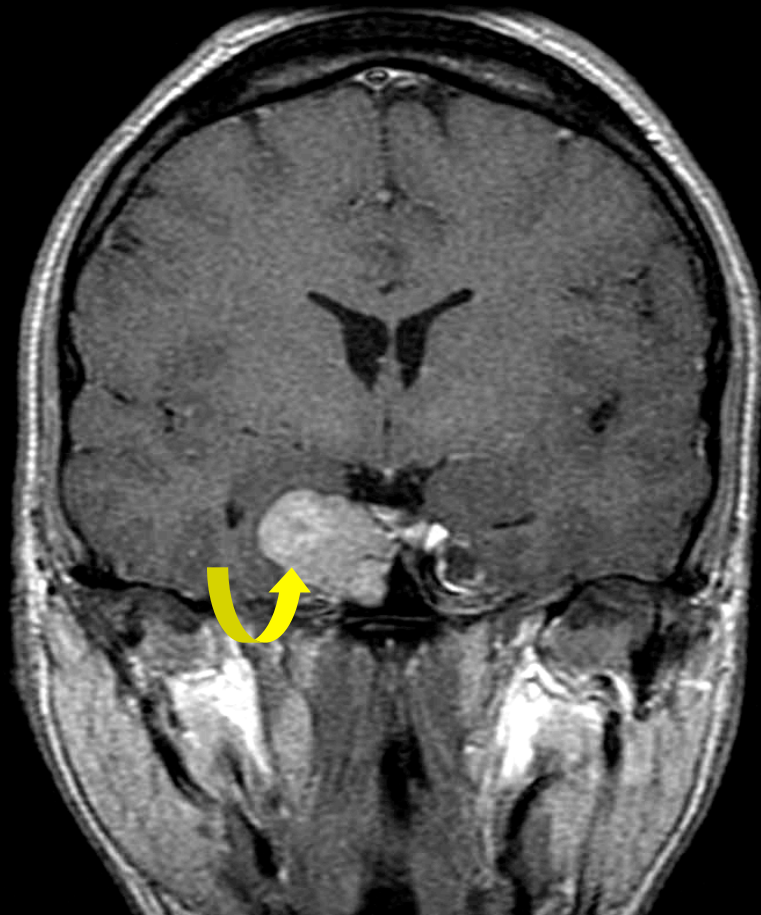
- hypertrophie des tissus mous.
- aspect "en ancre de marine" des phalanges distales.



-quel est le diagnostic et par quel examen d'imagerie le confirmer



-IRM hypophysaire



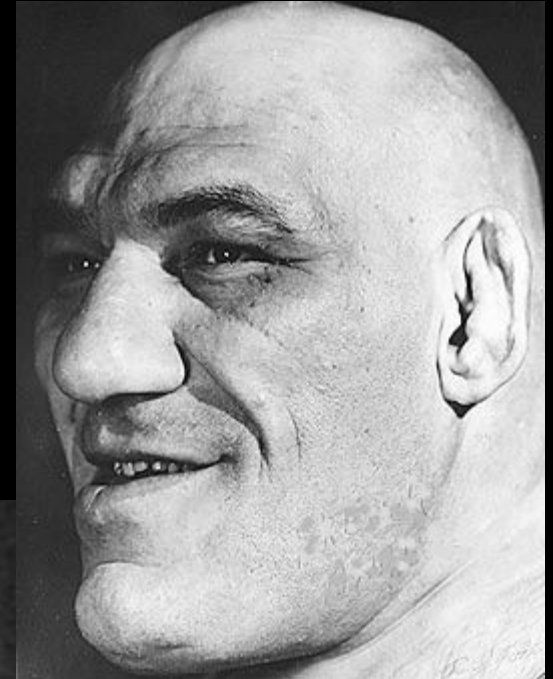
macro-adénome hypophysaire.



T1 Gd.



# Acromégalie

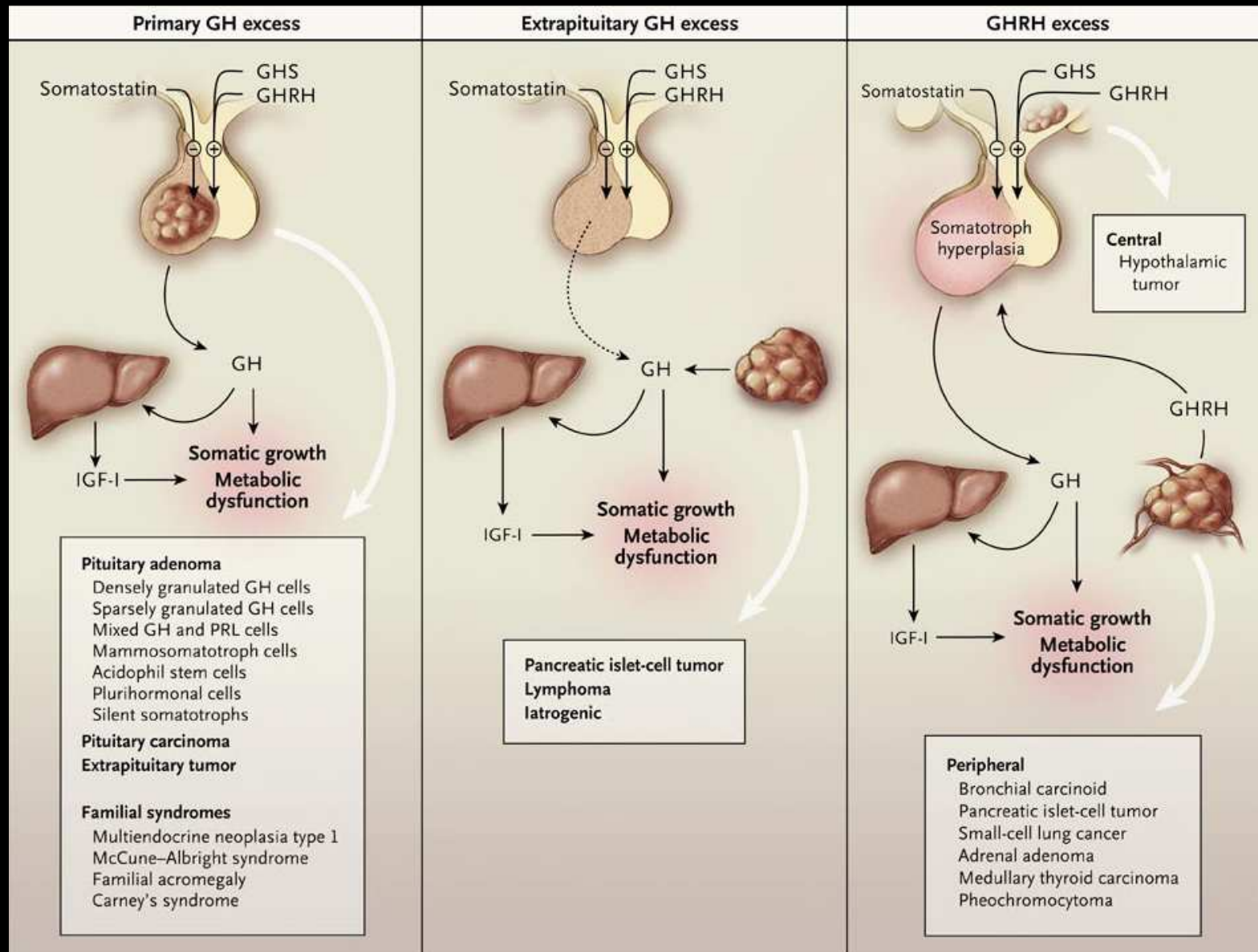


Maurice Tillet  
1903-1954.

# Acromégalie: caractères généraux

- Hypersécrétion **non freinable** de GH par un adénome hypophysaire somatotrope (HGPO -)
- Syndrome sécrétant :
  - syndrome dysmorphique
  - manifestations cardio-vasculaires (HTA, HVG)
  - troubles métaboliques (insulinorésistance)
  - susceptibilité aux tumeurs (ADK coliques, leucémies)
- **Sd tumoral**
- **Sd d'insuffisance antéhypophysaire**

# Acromégalie: étiologie



# Acromégalie

**Table 1. Clinical Features of Acromegaly.**

## Local tumor effects

Pituitary enlargement  
Visual-field defects  
Cranial-nerve palsy  
Headache

## Somatic systems

Acral enlargement, including thickness of soft tissue of hands and feet  
Musculoskeletal system  
Gigantism  
Prognathism  
Jaw malocclusion  
Arthralgias and arthritis  
Carpal tunnel syndrome  
Acroparesthesia  
Proximal myopathy  
Hypertrophy of frontal bones

## Skin and gastrointestinal system

Hyperhidrosis  
Oily texture  
Skin tags  
Colon polyps

## Cardiovascular system

Left ventricular hypertrophy  
Asymmetric septal hypertrophy  
Cardiomyopathy  
Hypertension  
Congestive heart failure

## Pulmonary system

Sleep disturbances  
Sleep apnea (central and obstructive)  
Narcolepsy

## Visceromegaly

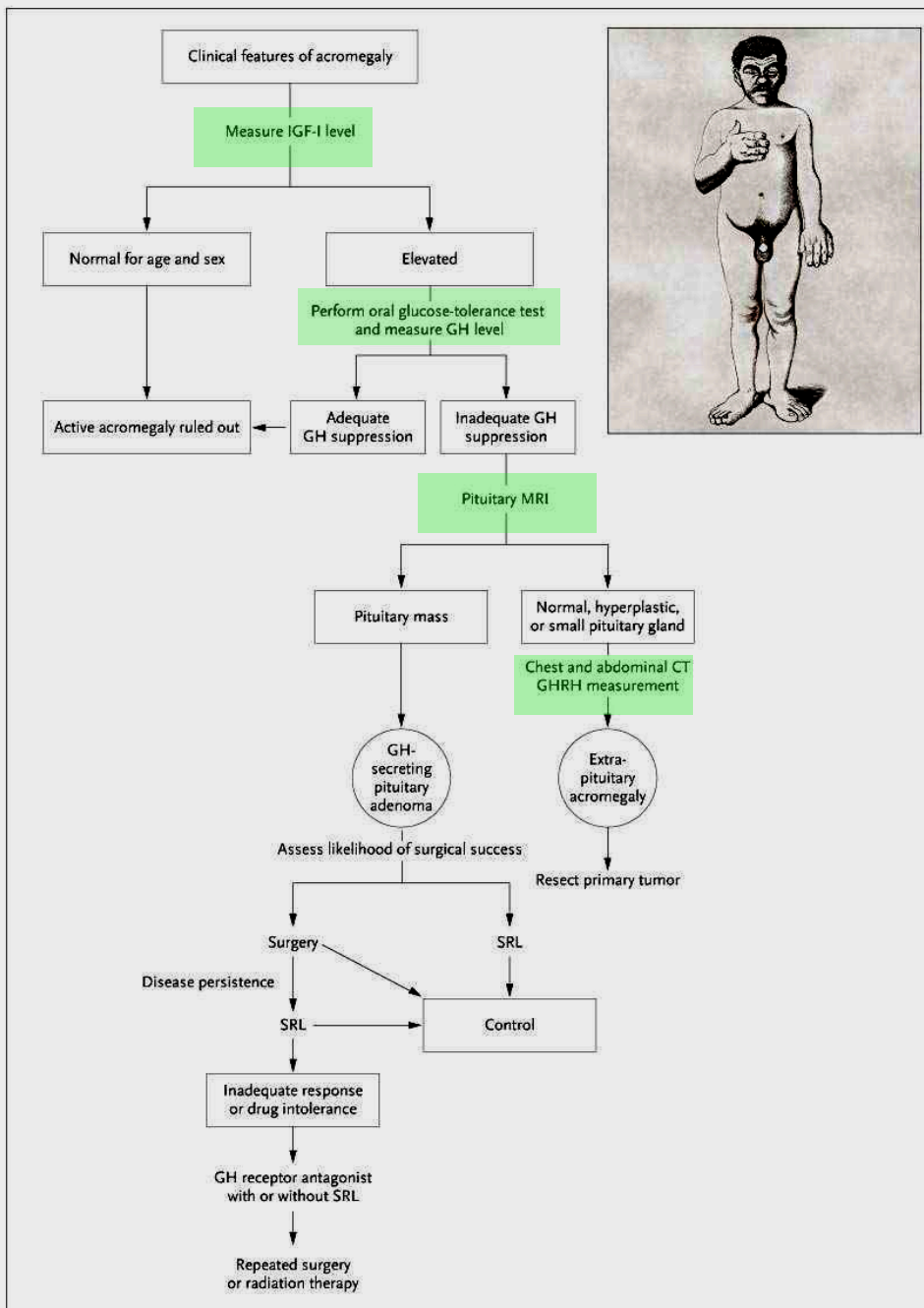
Tongue  
Thyroid gland  
Salivary glands  
Liver  
Spleen  
Kidney  
Prostate

## Endocrine and metabolic systems

Reproduction  
Menstrual abnormalities  
Galactorrhea  
Decreased libido, impotence, low levels of sex hormone-binding globulin  
Multiple endocrine neoplasia type 1  
Hyperparathyroidism  
Pancreatic islet-cell tumors  
Carbohydrate  
Impaired glucose tolerance  
Insulin resistance and hyperinsulinemia  
Diabetes mellitus  
Lipid  
Hypertriglyceridemia  
Mineral  
Hypercalciuria, increased levels of 25-hydroxyvitamin D<sub>3</sub>  
Urinary hydroxyproline  
Electrolyte  
Low renin levels  
Increased aldosterone levels  
Thyroid  
Low thyroxine-binding-globulin levels  
Goiter

- **Hypertrophie des tissus mous** (mains, pieds).
- **Hypertrophie osseuse** (houppes phalangiennes, rachis, crâne.)
- **Élargissement des interlignes articulaires** (MCP, MTP, genoux, disques intervertébraux).
- **Hyperostose.**

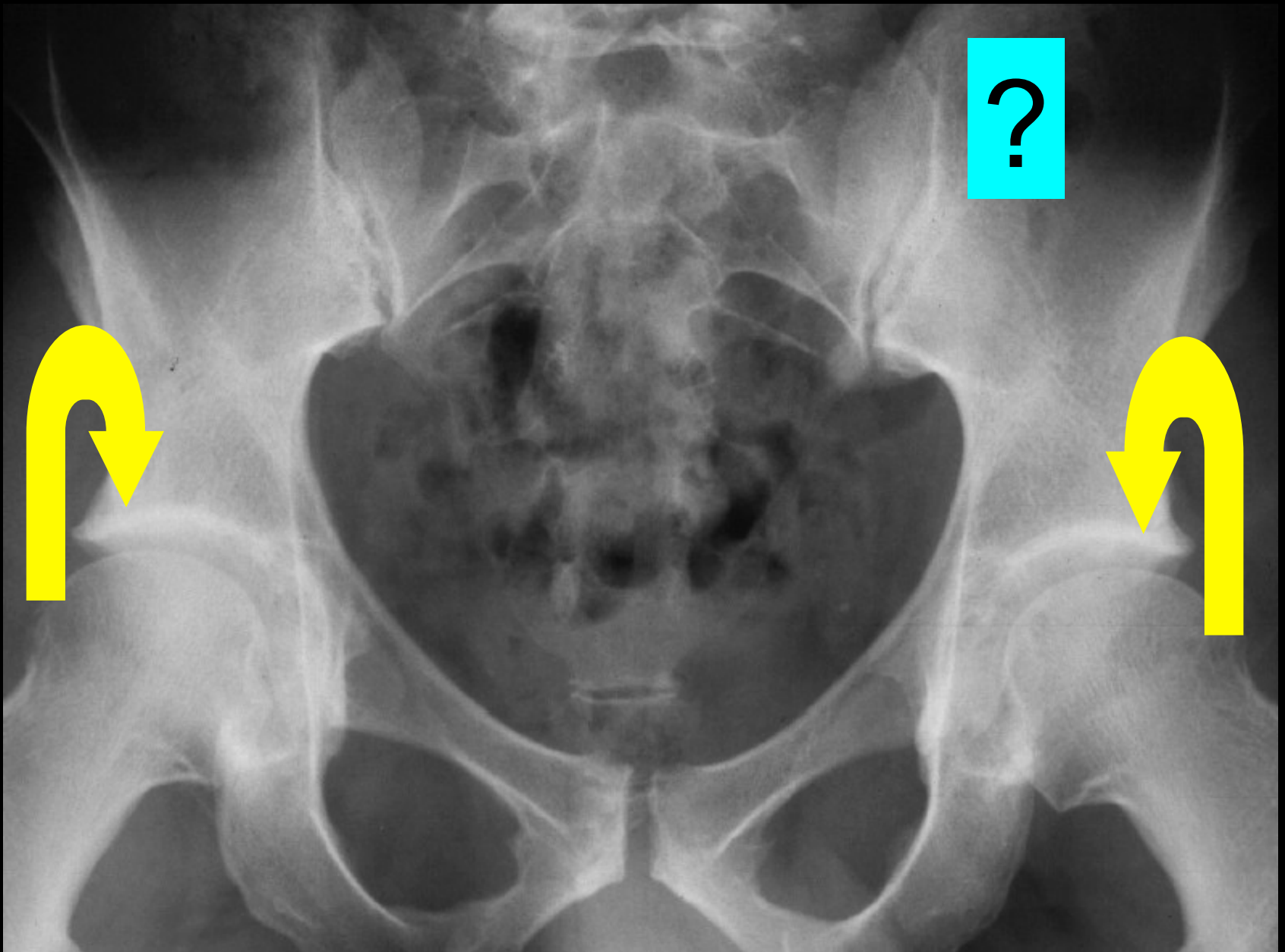




Biologie:

IGF-1

Test de tolérance glycémique.

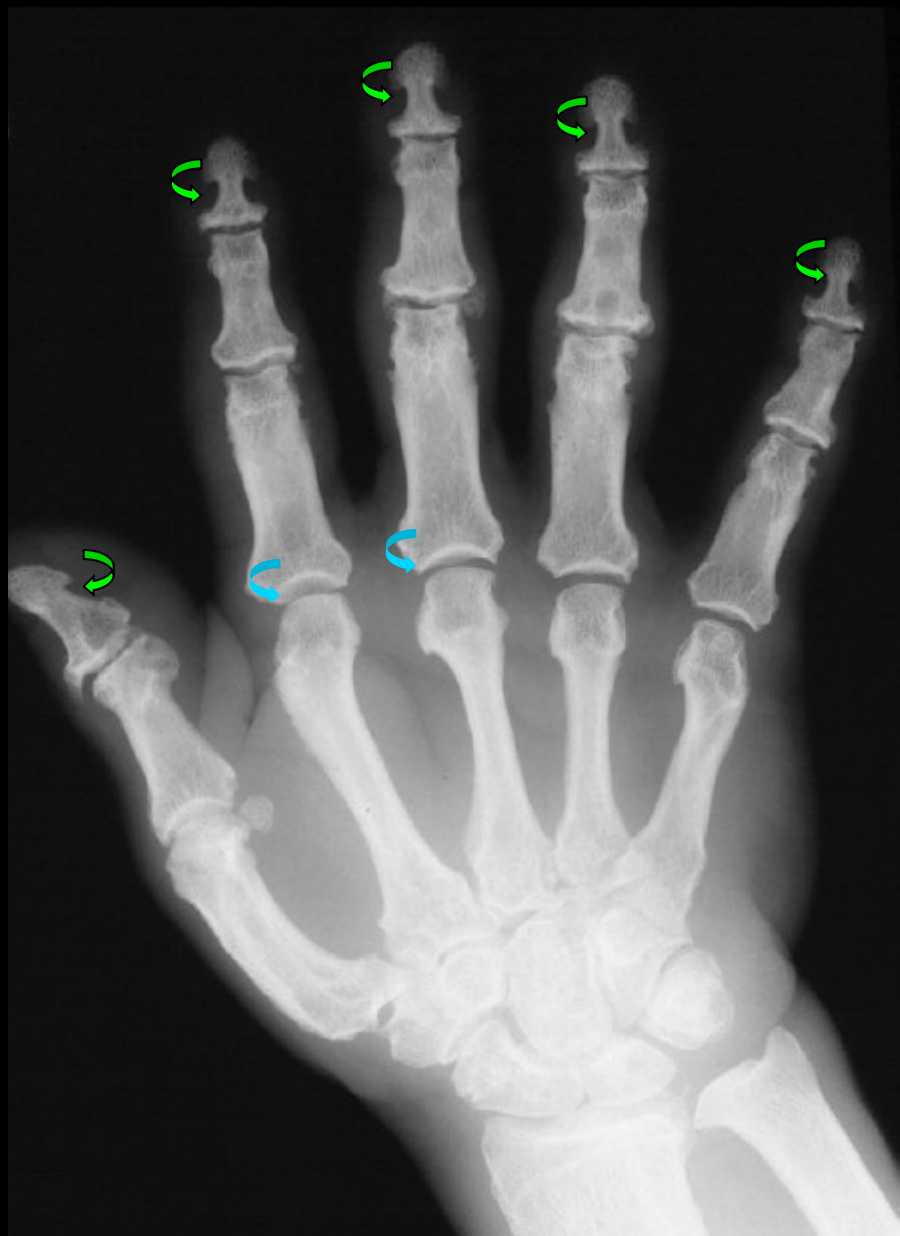


élargissement de l'interligne articulaire



élargissement de l'interligne  
+ ostéophytose péricapitale

*obs. J. Malghem.*



« aspect "en ancre de marine" des phalanges distales



Élargissement des  
interlignes MCP 2  
et 3