



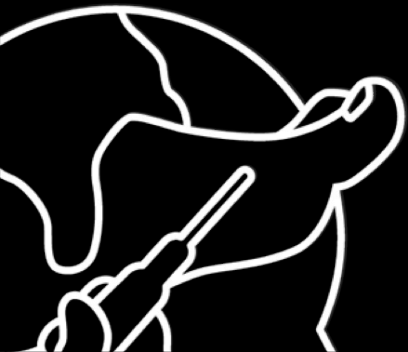
**DIRECTEURS DU COURS**  
Farid Ismael, MD, Morocco  
Samir Karrakchou, MD, Morocco  
**DIRECTEUR TECHNIQUE**  
Miquel Dalmau-Pastor, PhD, SPAIN

**Cours de Base sur Specimen**  
**Chirurgie mini-invasive**  
**et percutanée du pied**  
**18 DECEMBER 2022**

**Barcelone - Espagne**

[www.mifas.org](http://www.mifas.org)

Cours en français 



# DEFORMATIONS DES ORTEILS DEFINITION & TYPES



The poster features a background image of the Sagrada Família in Barcelona at night, illuminated with blue spotlights. On the left side, there are three logos: MIFAS (International Federation of Associations of Foot and Ankle Surgeons), GRECMIP (Moroccan Society of Foot and Ankle Surgeons), and SMACOT (Spanish Society of Foot and Ankle Surgeons). Below the logos, the text reads: 'DIRECTEURS DU COURS: Farid Ismael, MD, Morocco; Samir Karrakchou, MD, Morocco; DIRECTEUR TECHNIQUE: Miquel Dalmau-Pastor, PhD, SPAIN'. A large blue curved banner at the bottom contains the text: 'Cours de Base sur Specimen Chirurgie mini-invasive et percutanée du pied 18 DECEMBER 2022 Barcelone - Espagne'. At the very bottom, the website 'www.mifas.org' and 'Cours en français' with a French flag are visible.

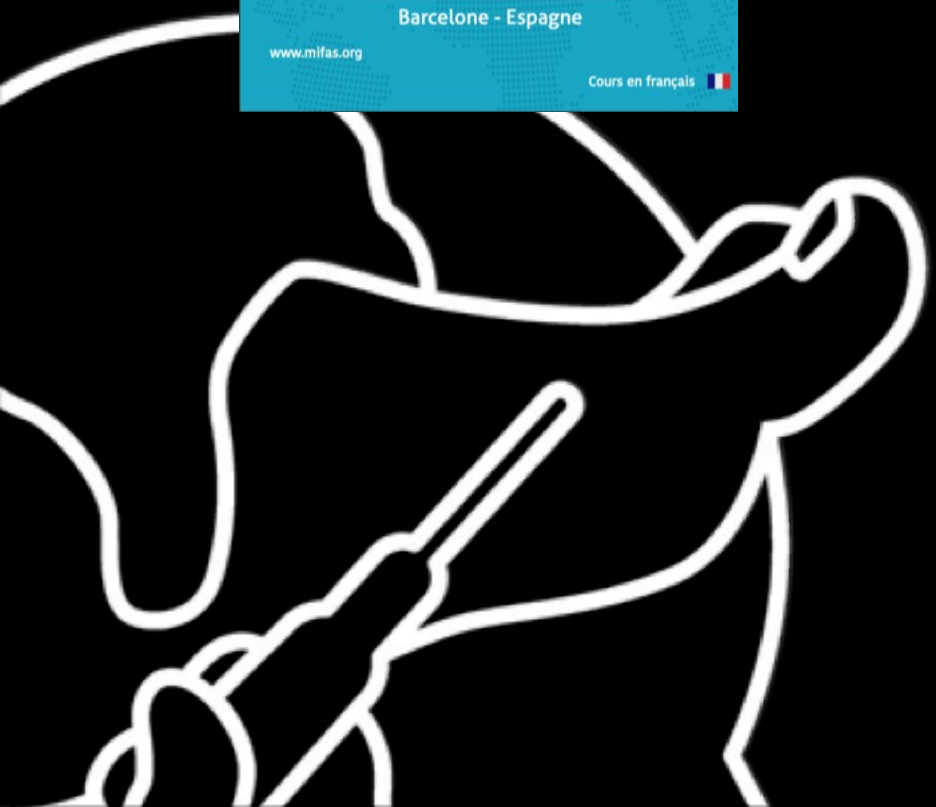
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Samir Karrakchou  
Temara



# DEFORMATIONS DES ORTEILS

## CLASSIFICATIONS EXISTENTES

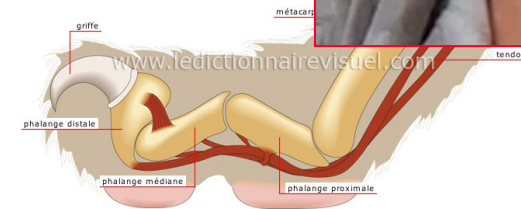
MP NEUTRE  
*Hammer Toe*



MP extension  
*Claw Toe*



France:  
griffe /



# Introduction

*Aucune Classification dans la littérature internationale*

**Hammer Toe**

**Claw Toe**

**Mallet Toe**

**Cross over Toe**

**Non Exhaustif**

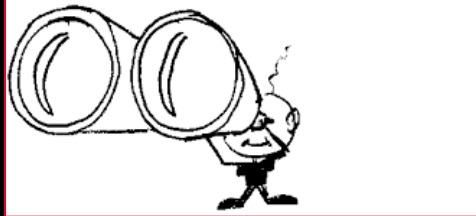


Barbara PICLET

**Analyse critères morphologiques +++  
pour cibler le geste chirurgical  
(expérience percutanée)**

# Classification morphologique

- Objectif: simple



*Examen clinique*

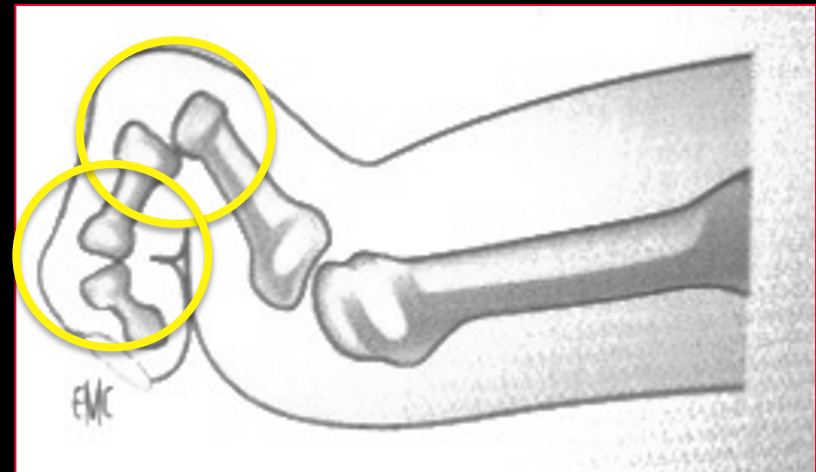
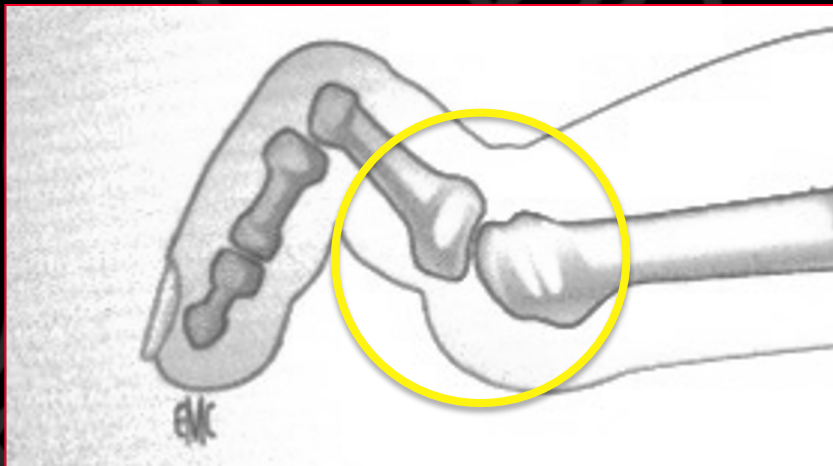
*Examen complémentaire*

Position segmentaire des articulations

MTP= metatarso-phalangeal

DIP = distal inter-phalangeal

PIP = proximal inter-phalangeal



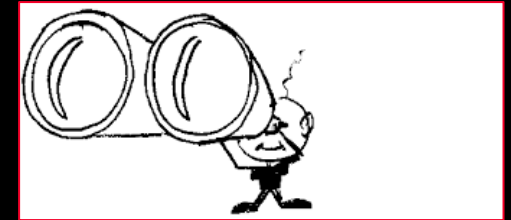
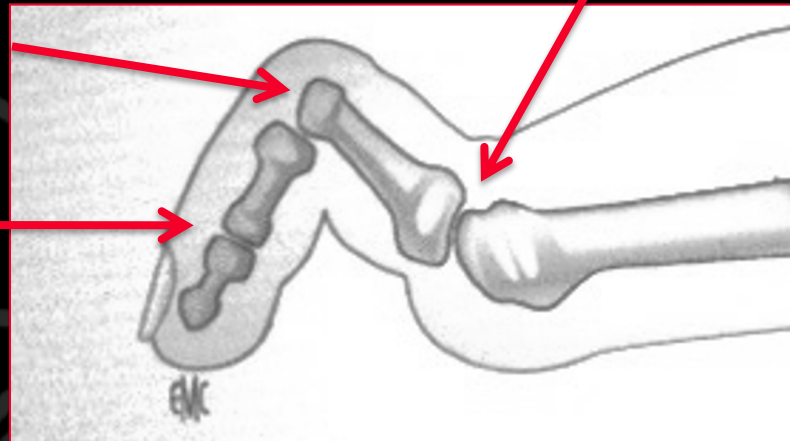
# Classification morphologique

proximal → distal

PIP

DIP

MTP



MTP= metatarso-phalangeal  
PIP = proximal inter-phalangeal  
DIP = distal inter-phalangeal

e  
f  
n

extension  
flexion  
neutre

l  
m

lateral  
medial

# Plan vertical

e extension  
f flexion  
n neutre

PIP

DIP

MTP



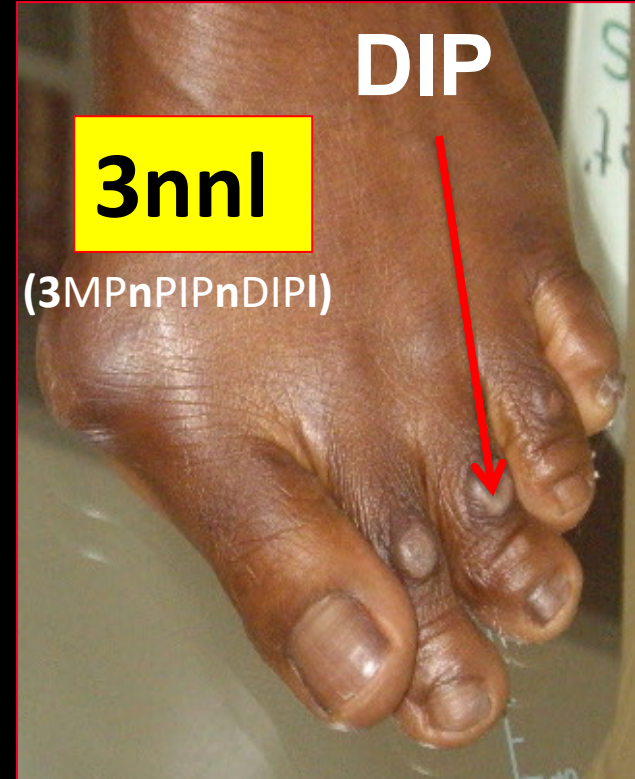
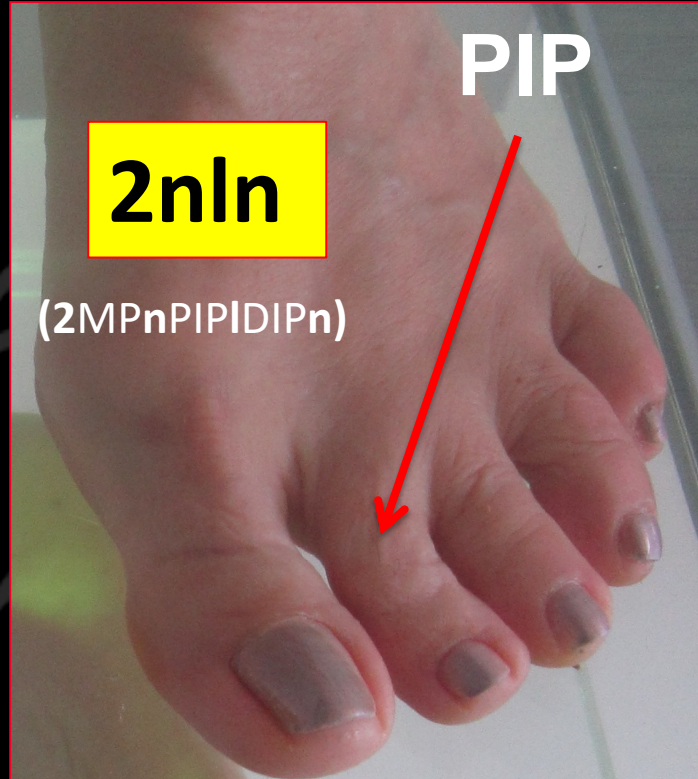
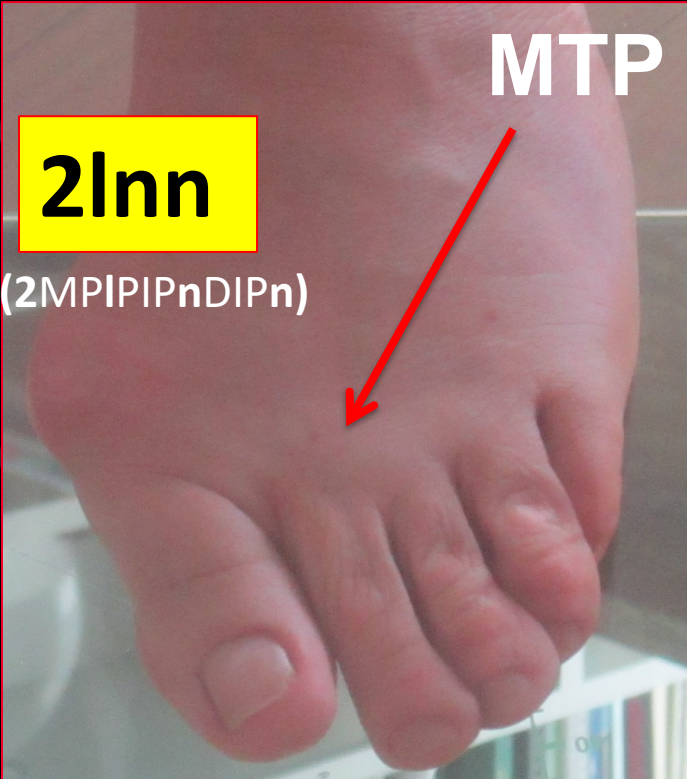
**2efn**

(2MPePIPfDIPn)

# Plan horizontal

m      médial  
l      latéral

Vertical prédomine





# Classification AFCP

Exhaustive ++

Objective

Descriptive et visuelle

=> pas de renseignement sur état articulaire



# DROIT à l'oubli !

- Réductibilité

*Flexible(f) Semi-Rigide(sr) Rigide(r)*

- Etiologie

*rhumatologic(rh) post-traumatic(pt)  
neurologic(nr), iatrogenic(ic)....*

# MTP: reproductibilité satisfaisante

MTP neutral  
PIP flexion & DIP variable

MTP extension  
PIP flexion & DIP variable

**2nfn**



HAMMER TOE

**3efn**



CLAW TOE

MTP: reproductibilité satisfaisante

2MTP extension



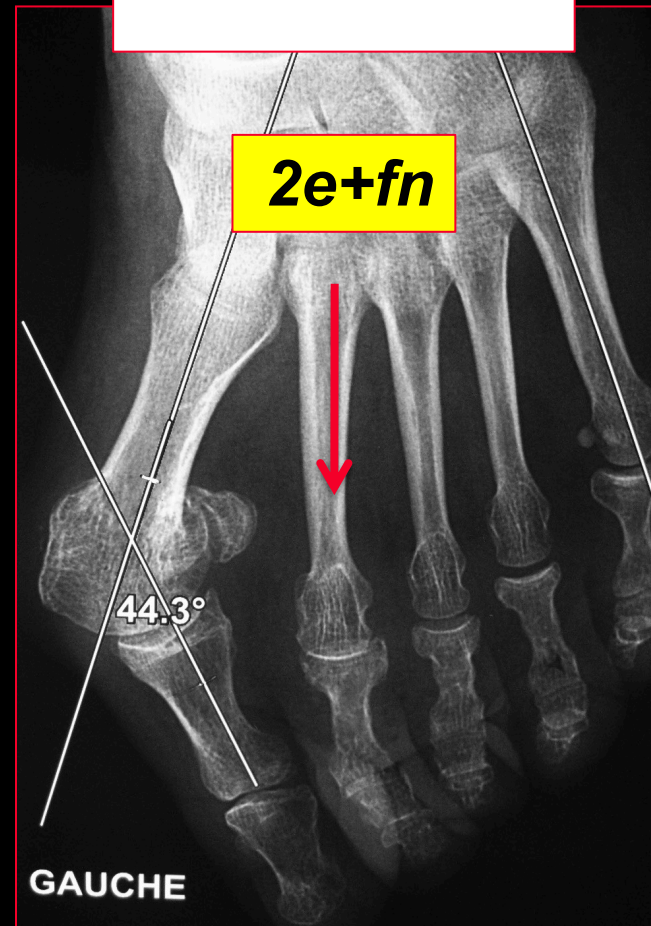
**2eff**

# MTP: Rx utile à l'indication

MTP extension  
PIP flexion  
DIP neutre



Xray : subluxation



# MTP: Rx utile à l'indication

4 efn



30,6°



4 e+fn

# MTP: Rx utile à l'indication

3MTP lateral subluxation

**34iff**



# MTP: Rx utile à l'indication



**23lnn**

23MTP latérale subluxation





# MTP: Rx utile à l'indication

2MTP médiale subluxation

**2mnn**



# MTP: Rx utile à l'indication

**23mfn**

23 MTP médiale subluxation



# MTP: Rx utile à l'indication

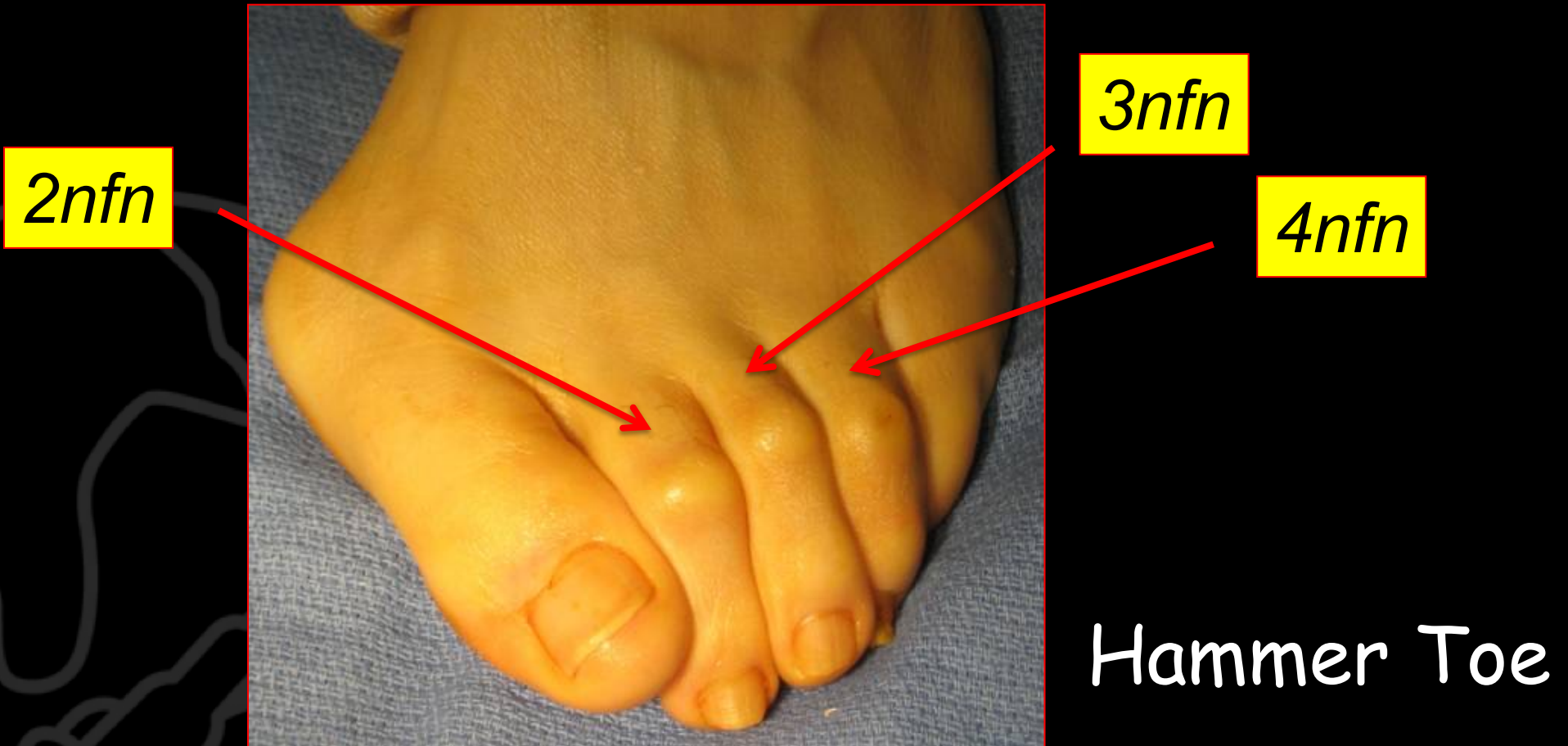
2 MTP stable

**2efn**



# PIP: reproductibilité bonne

- 234 MP neutre PIP flexion DIP neutre



# DIP: reproductibilité bonne

**2nnf**

**3nnl**



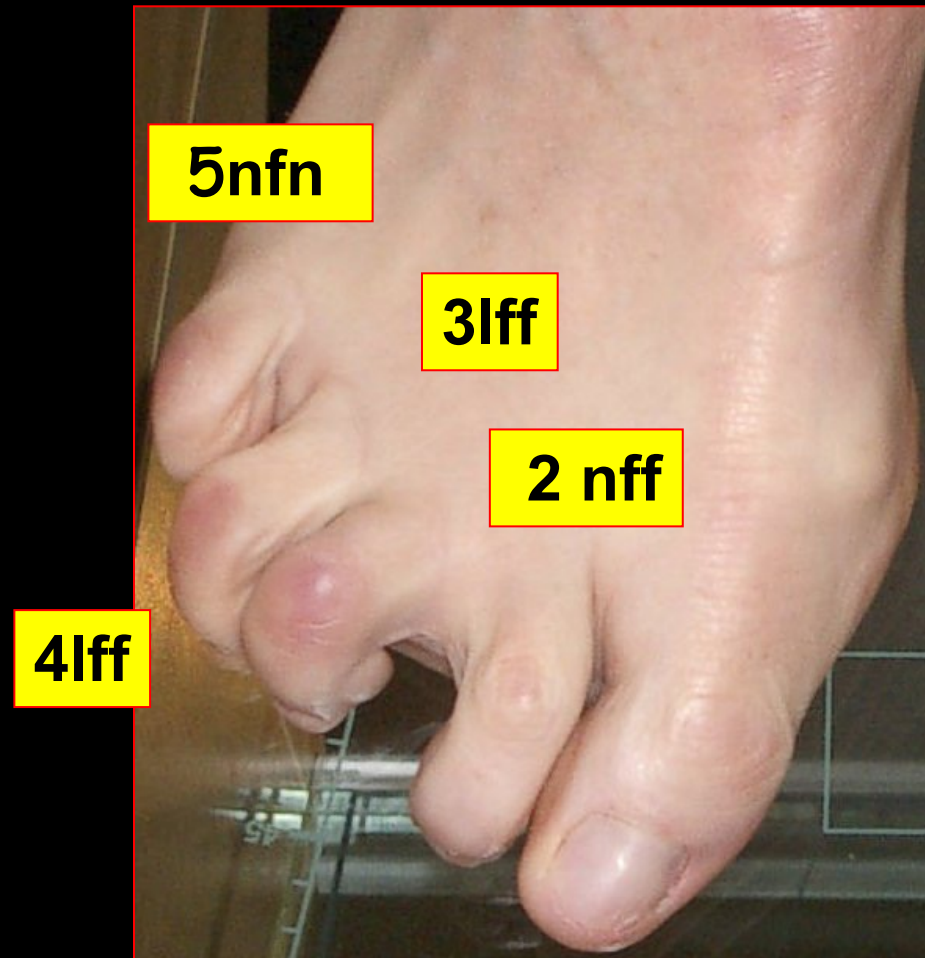
Mallet toe

# Associations

Plusieurs niveaux



Plusieurs orteils



# CONCLUSION

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Classification simple, logique

Permet d'être précis  
Sur chaque orteil

Implication chirurgicale

A utiliser sans modération!



# Merci

On a tout compris...





# And if you want to learn more...

# Welcome in Brazil



MIFAS  
by Greenip



VENUE  
Windsor Barra Hotel

OFFICIAL LANGUAGE  
English 

**6th International Congress  
of Foot & Ankle Minimally  
Invasive Surgery**

5-7 October | Rio de Janeiro  
2023 | Brazil

• Thanks

Merci

شكرا

