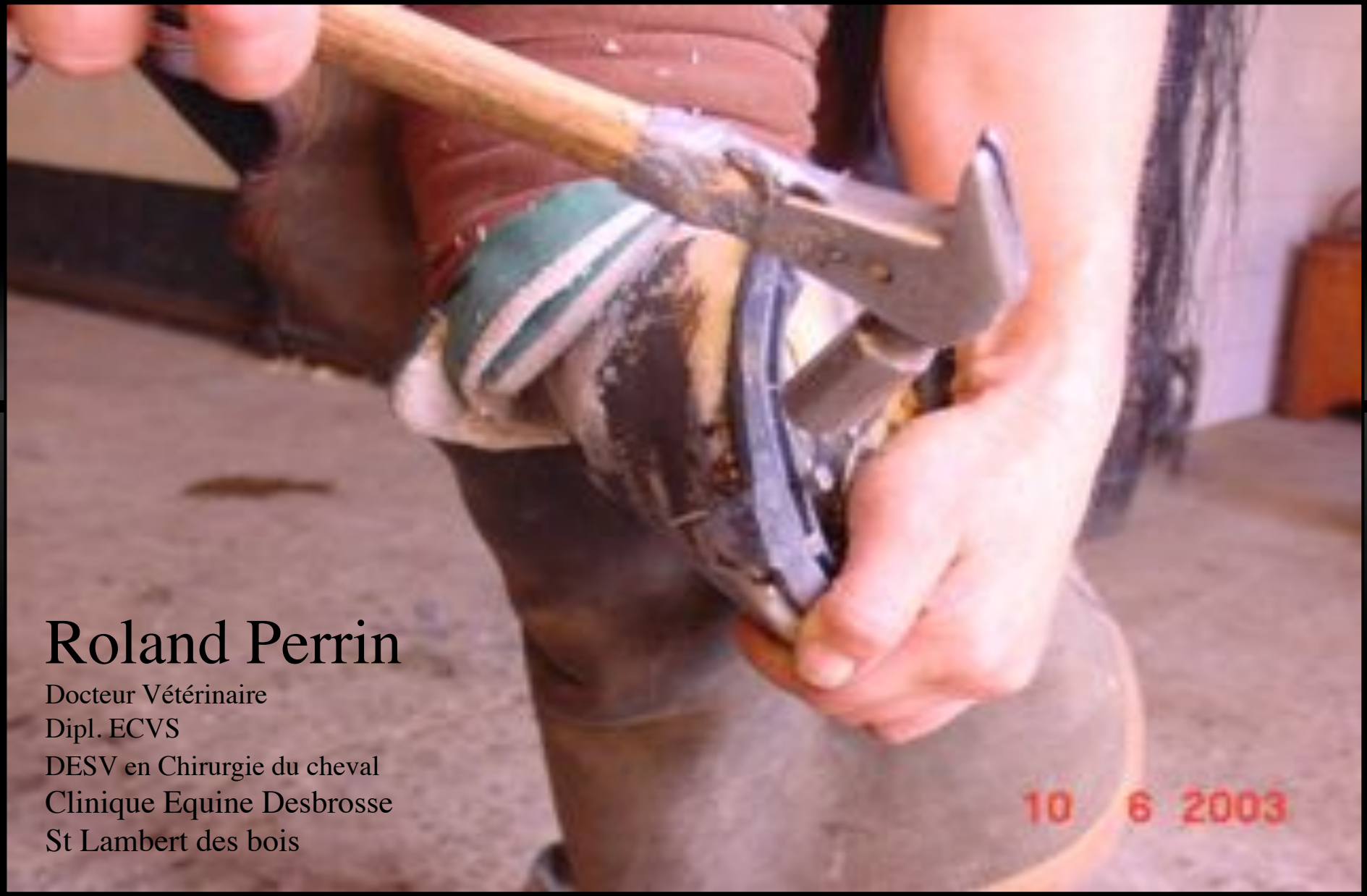
Le clou vu par le Vétérinaire



Roland Perrin
Docteur Vétérinaire
Dipl. ECVS
DESV en Chirurgie du cheval
Clinique Equine Desbrosse
St Lambert des bois

Le clou :
Le meilleur moyen de fixer
un Fer
sous le pied d'un cheval ?

Préserver le sabot de l 'usure ou de la destruction
Augmenter l 'adhésion sur les sols glissants
Améliorer la performance sportive
Valoriser le sentiment de confort

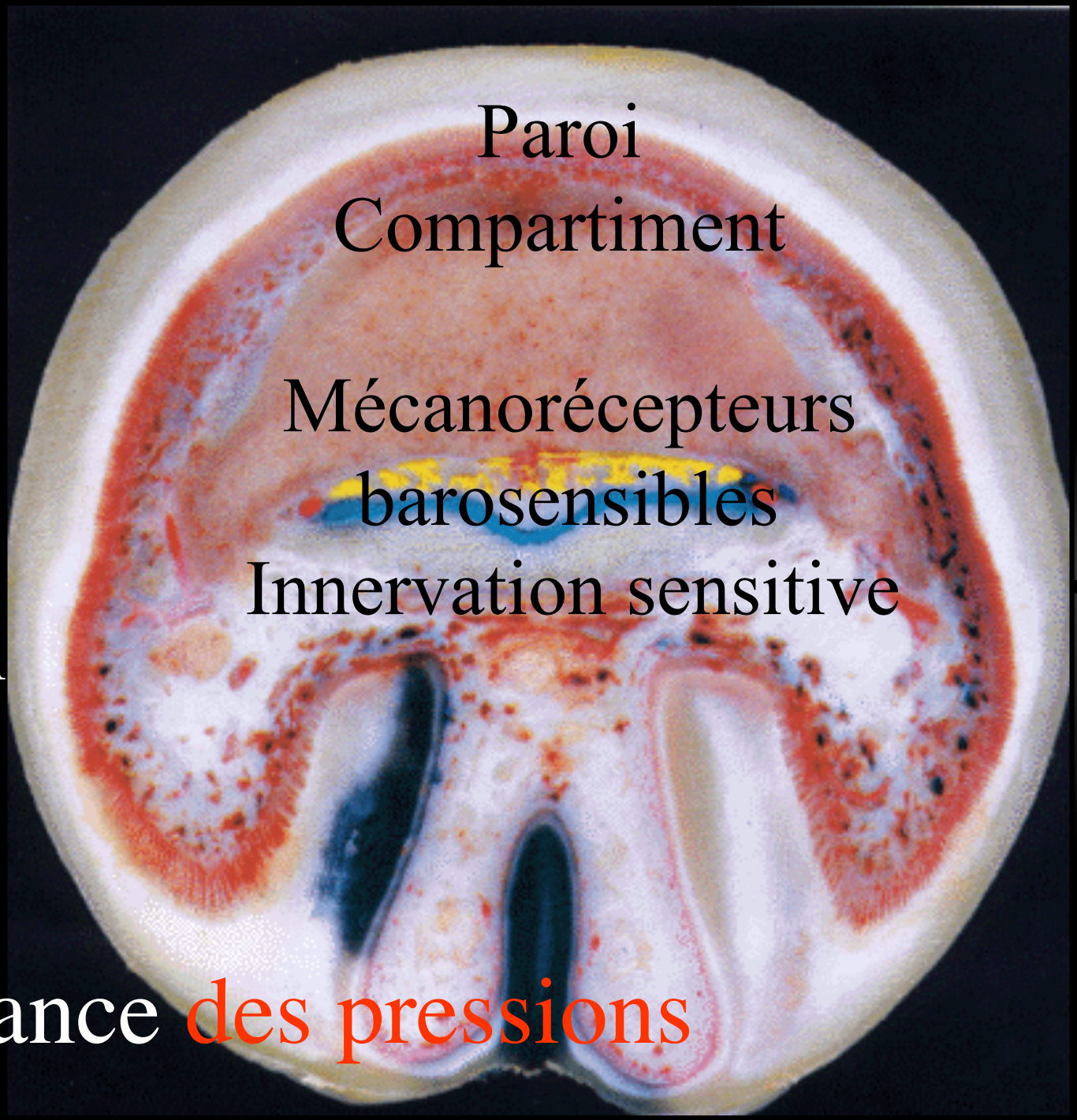
La ferrure

Art de la maréchalerie
=
Bonne répartition des pressions

Douleur

Nocicepteurs

Inflammation



Importance des pressions

Sentiment de confort ou de douleur

Aspect émotionnel

Perception de l 'homme

Proprioception

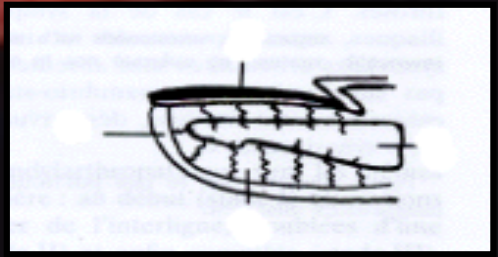
- Mécanorécepteurs barosensibles
- Nocicepteurs

Sol

Notion d ’enthèse

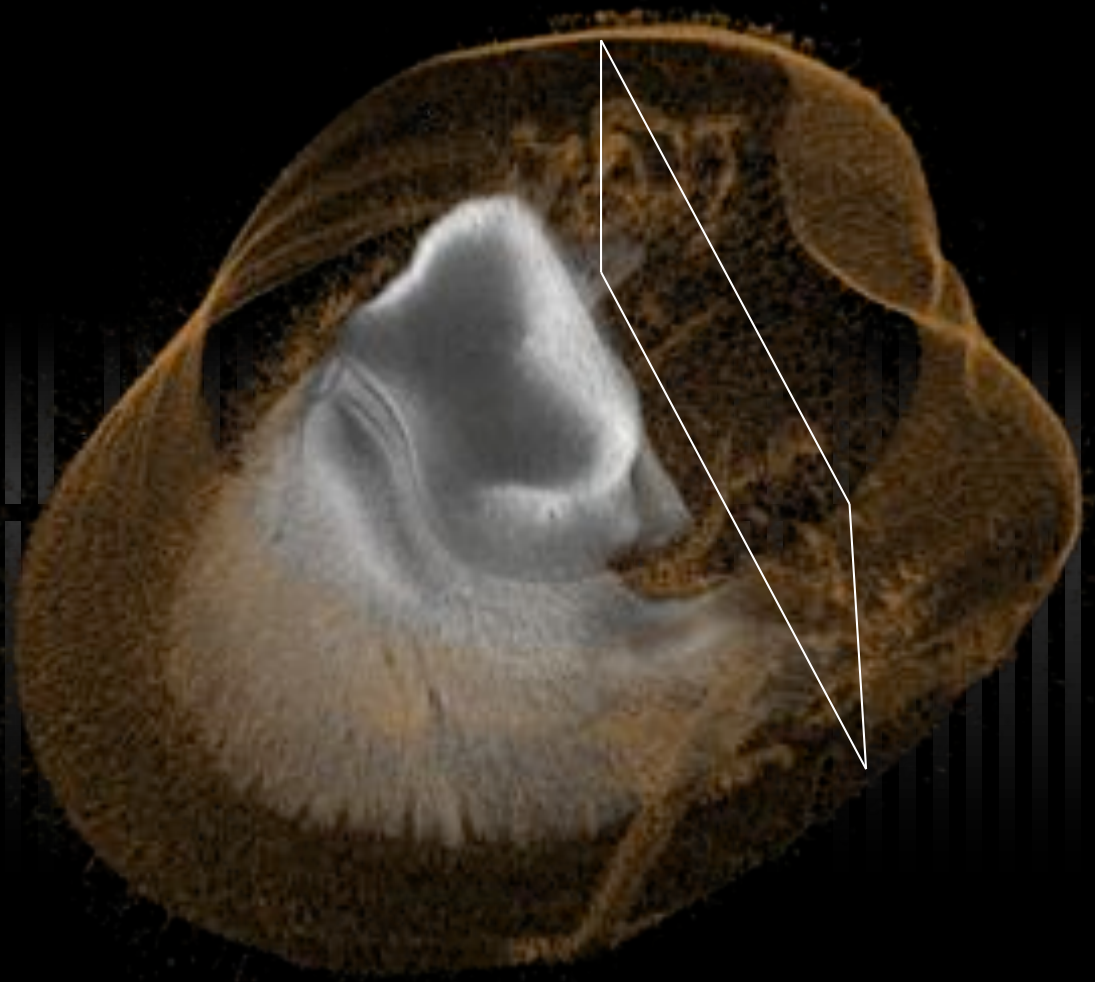
Hyperostose palmaire

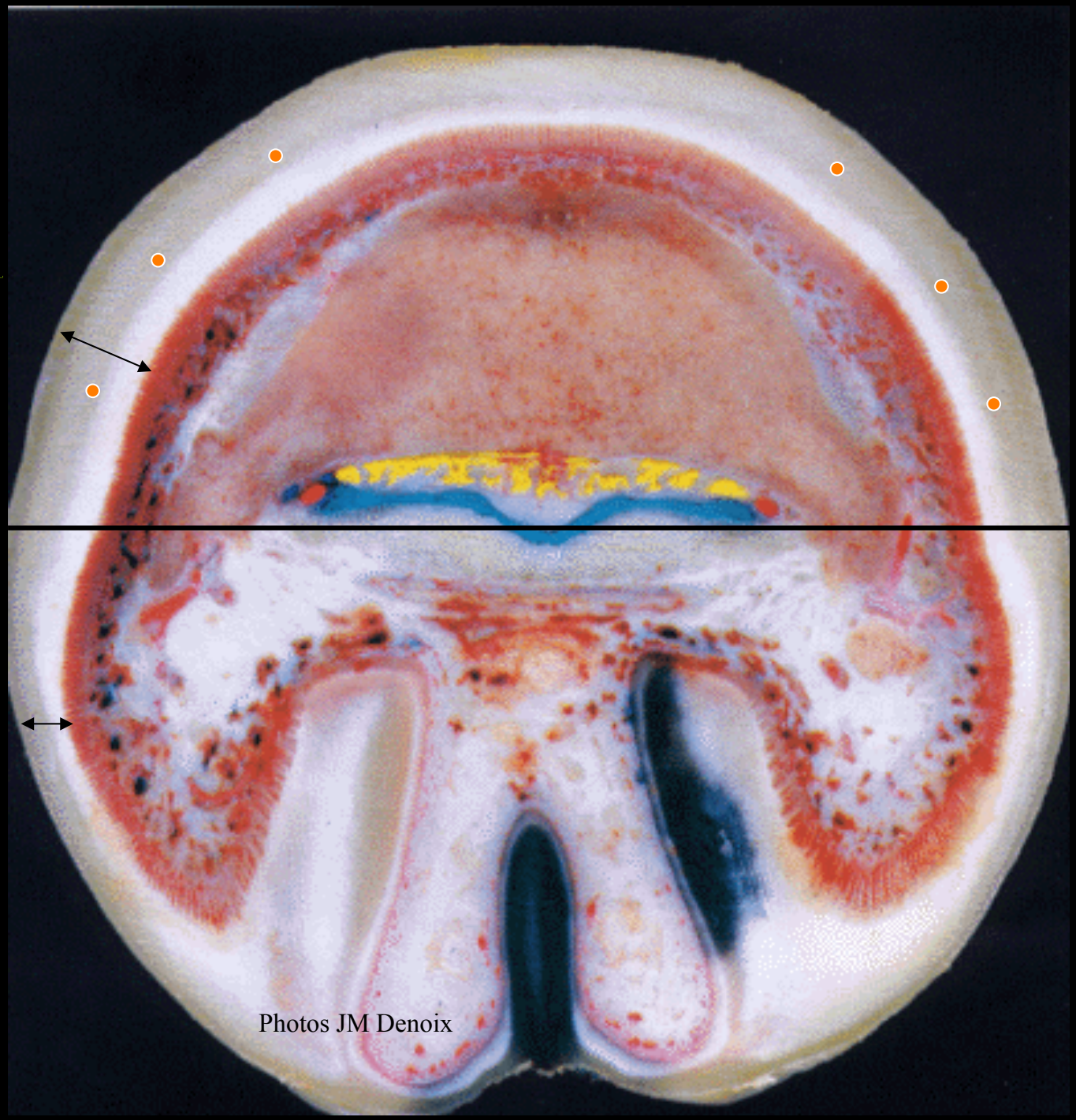
Système enthésique
phalangetto-onychial (Fournie 1991)

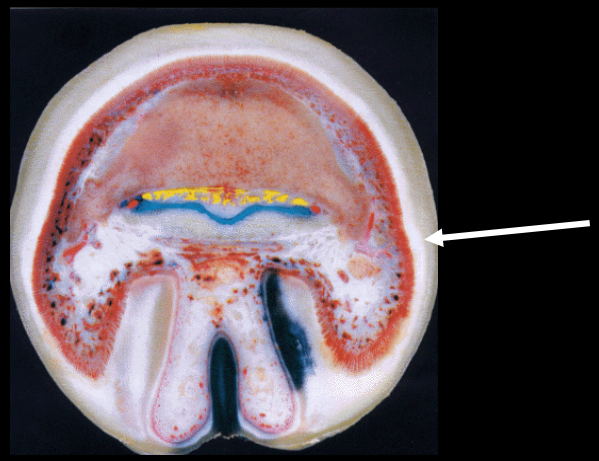


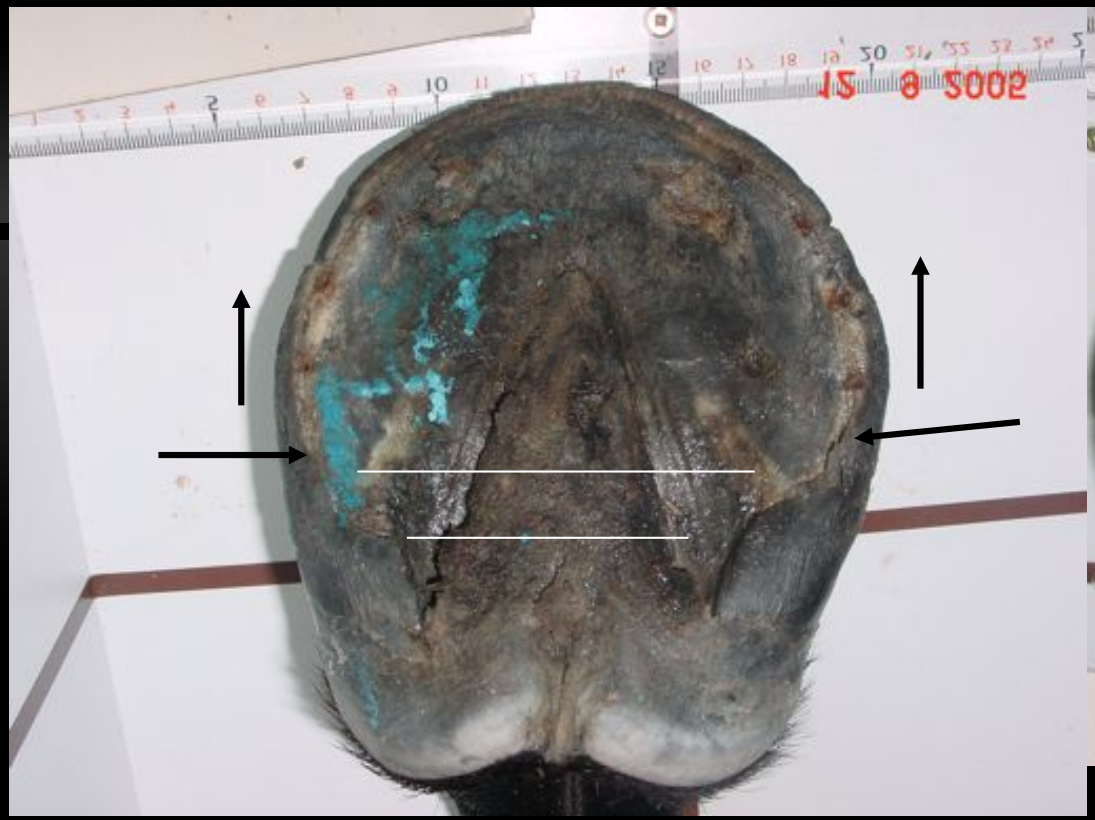
D ’après J M Denoix

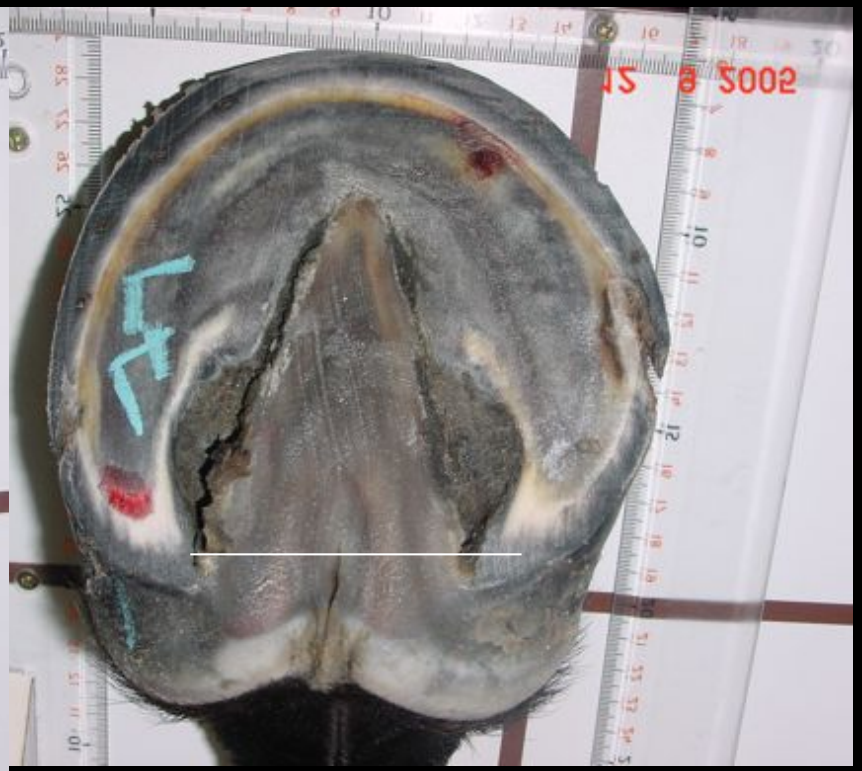
Une boite cornée , une troisième phalange…

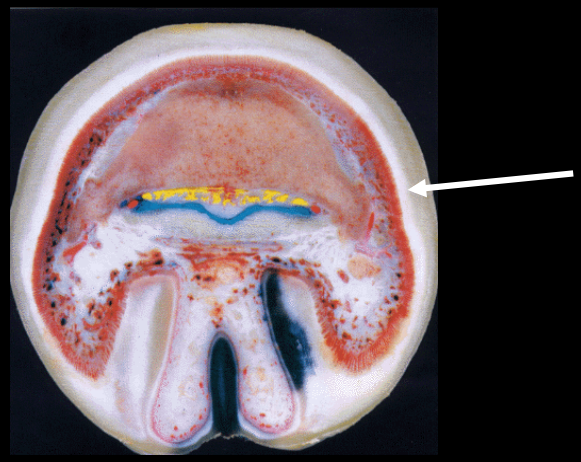


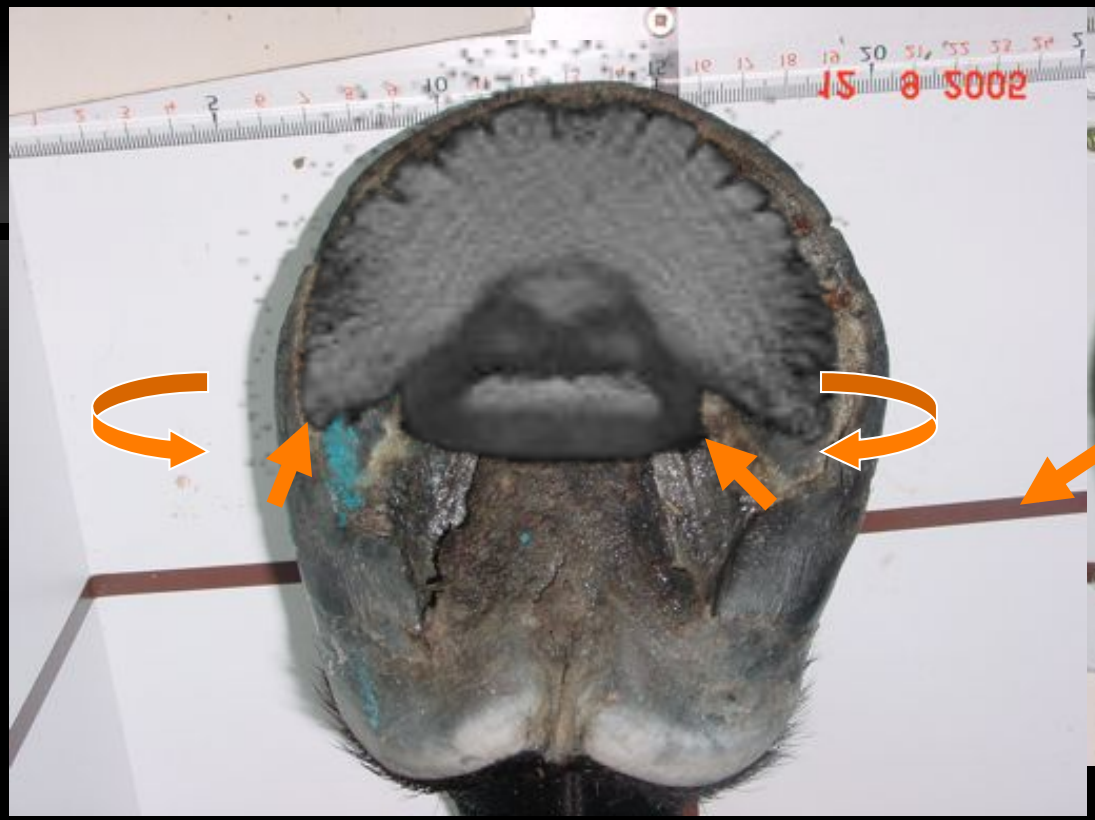

Photos JM Denoix

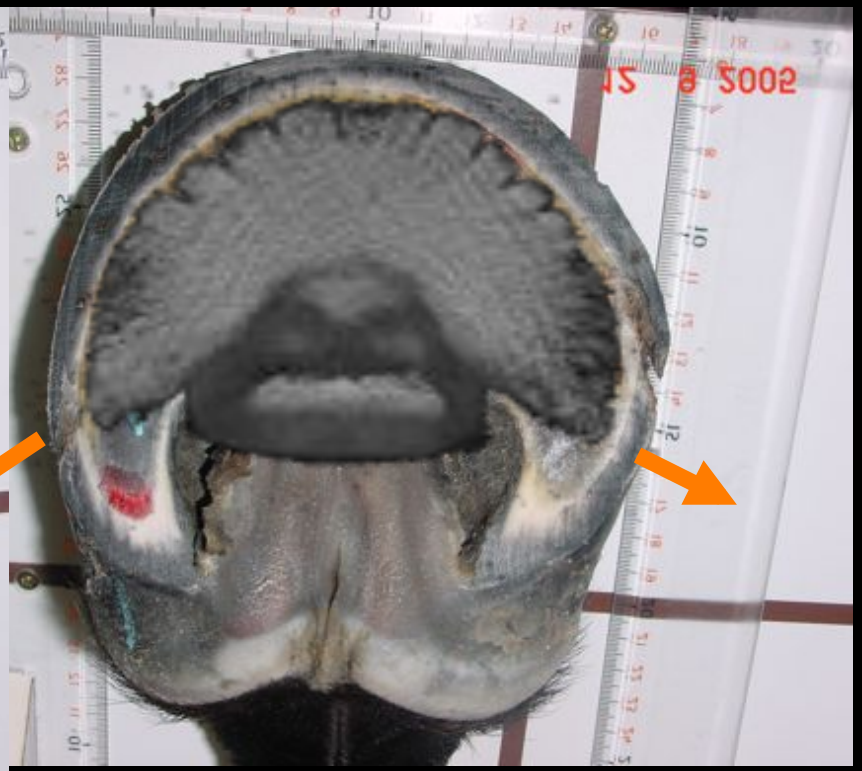










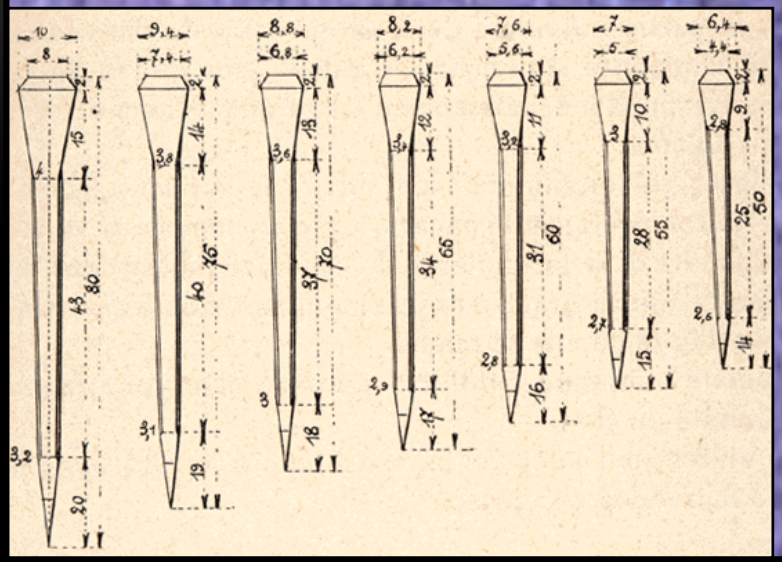


Les Clous . . .

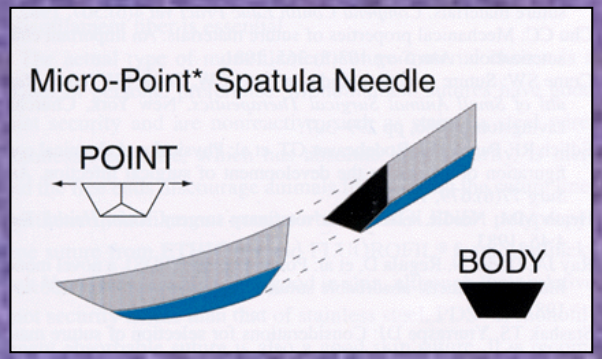
Comment ça marche?

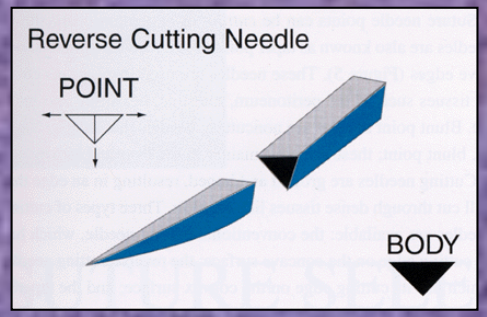
Les clous

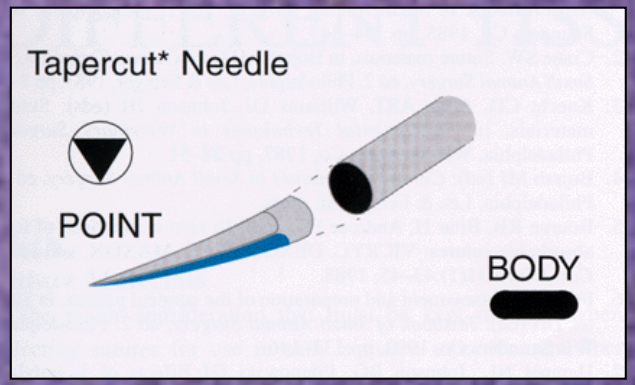
Tête
Collet
Lame
Pointe

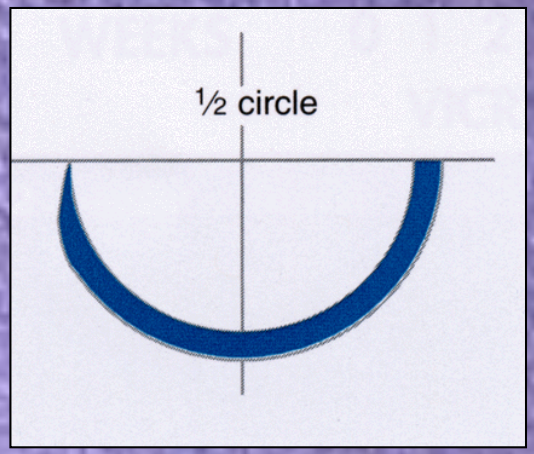


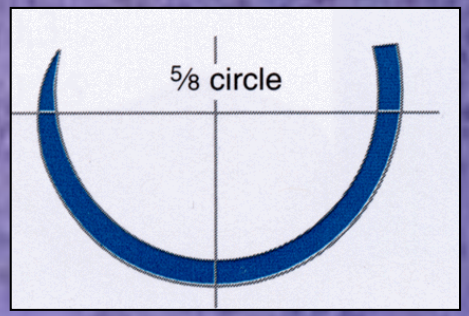
Chirurgien / Maréchal

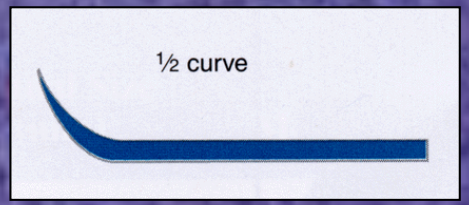








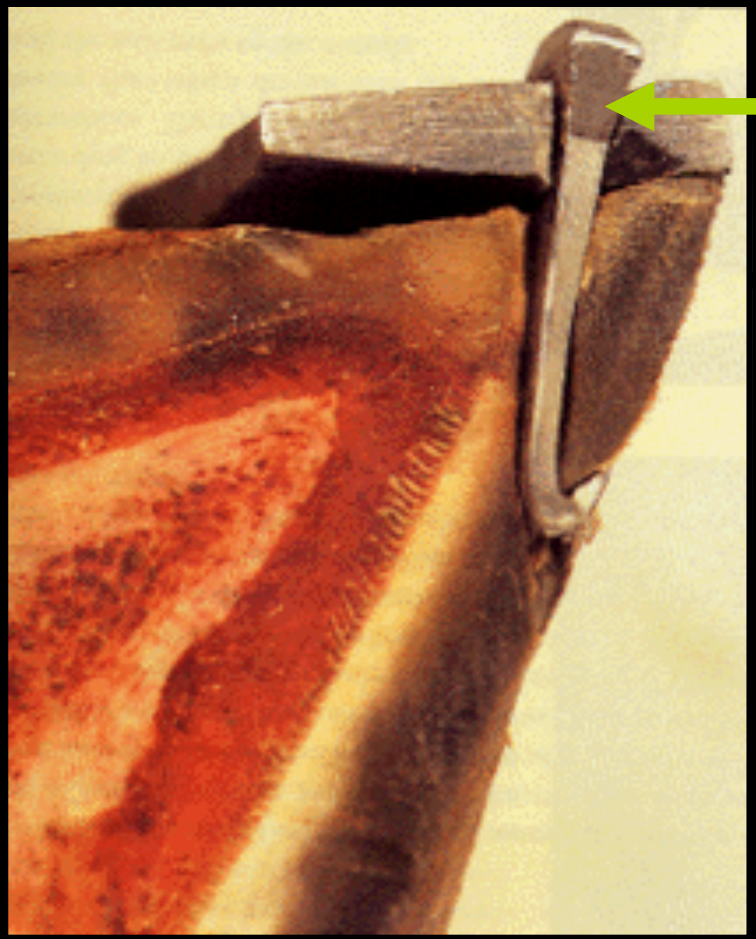


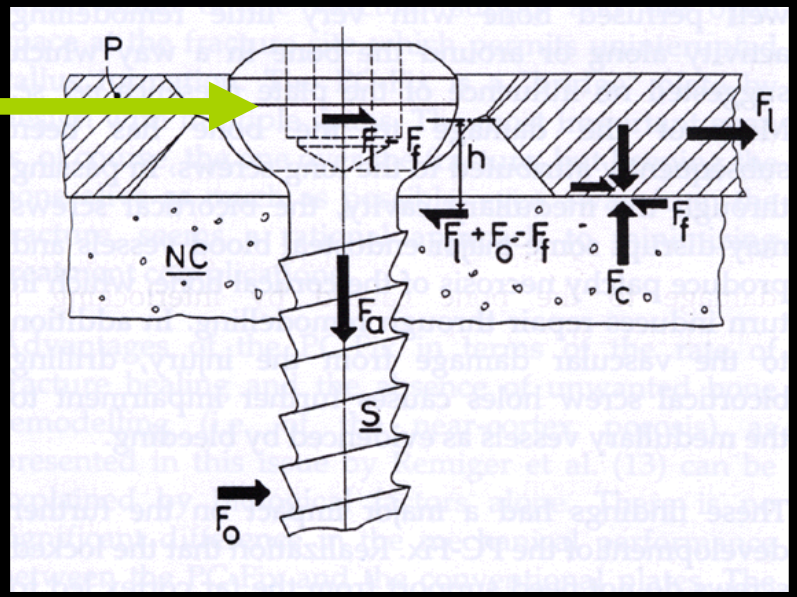


Brocher River

D ’après C. Pollit

Chirurgien / Maréchal

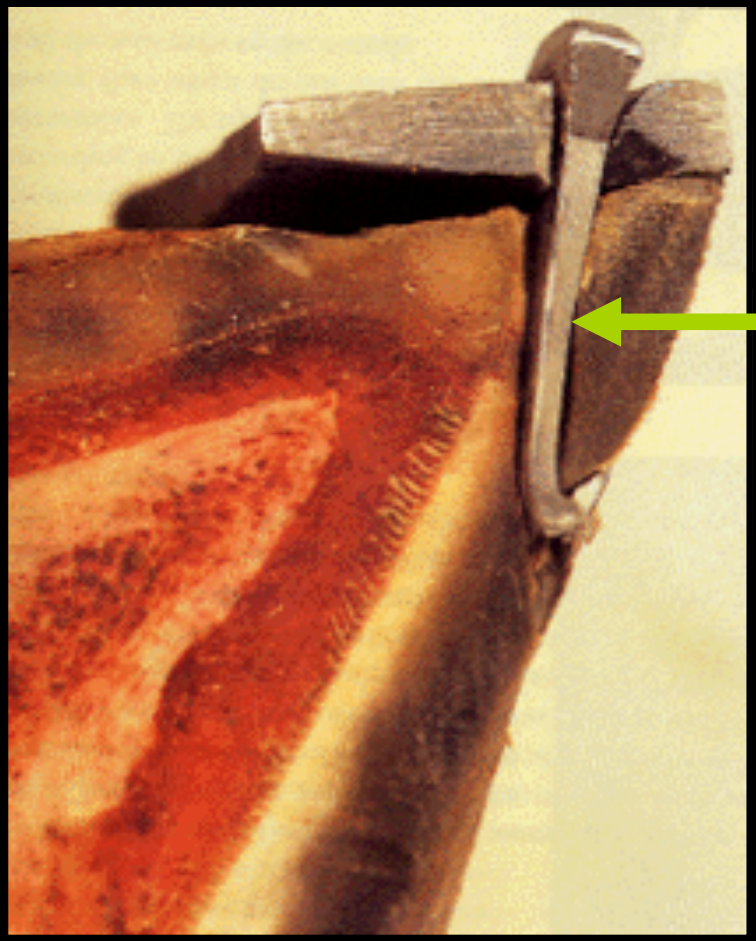


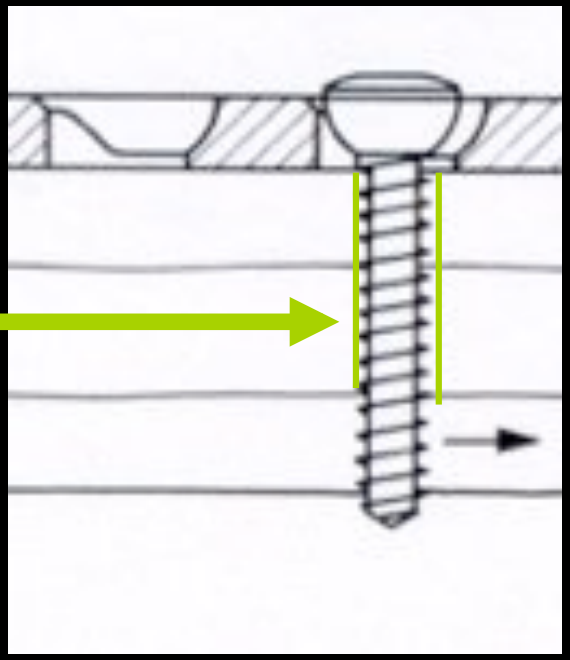


Chirurgien / Maréchal

Stabilité

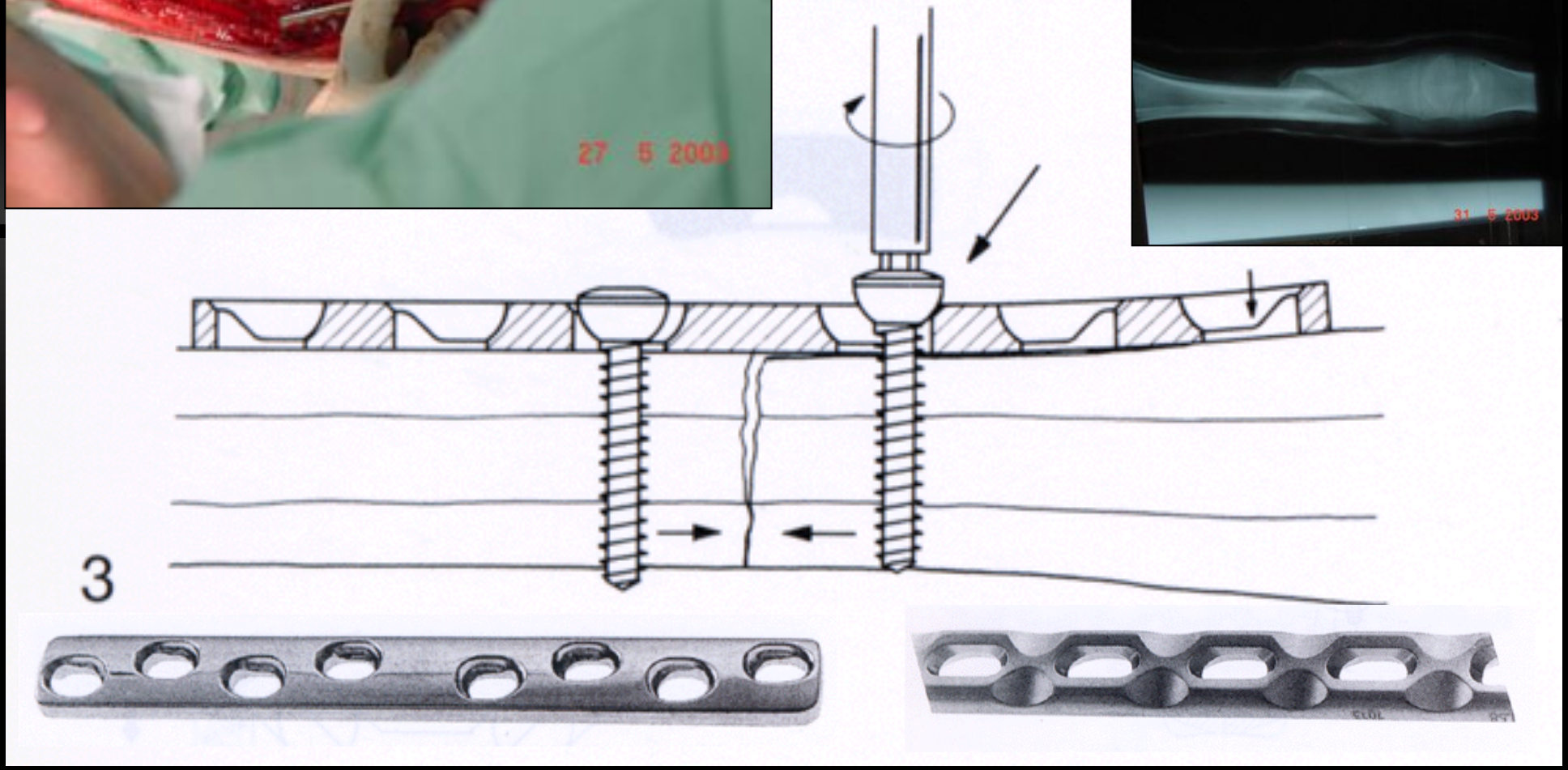
Chirurgien / Maréchal



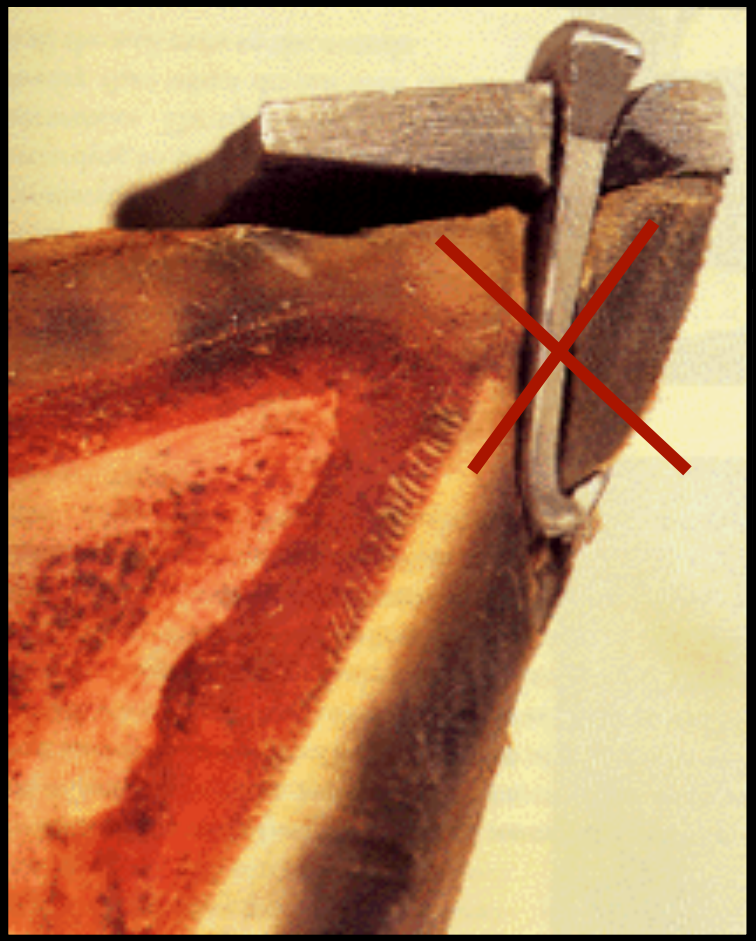


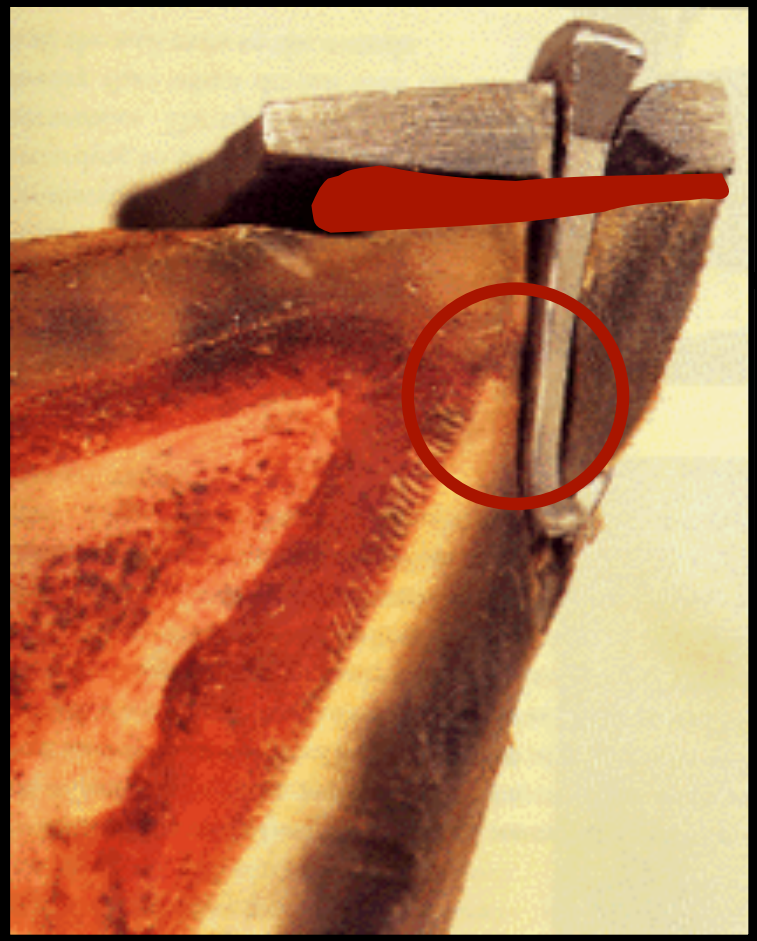
Compression

Ostéosynthèse

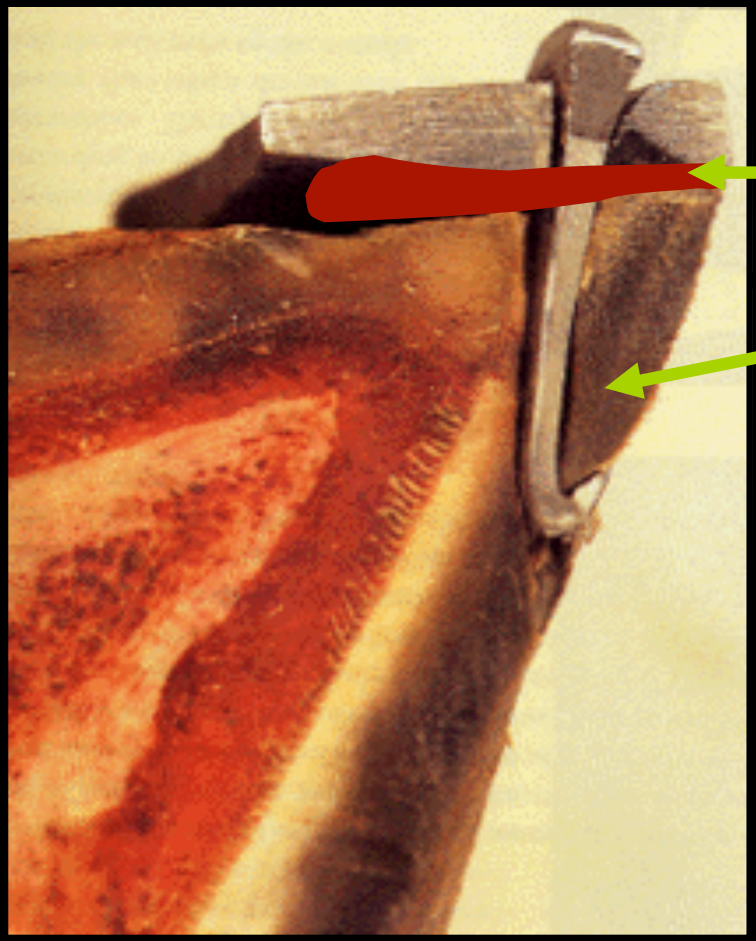


Alternative : coller le fer ?





Alternative : coller le fer ?

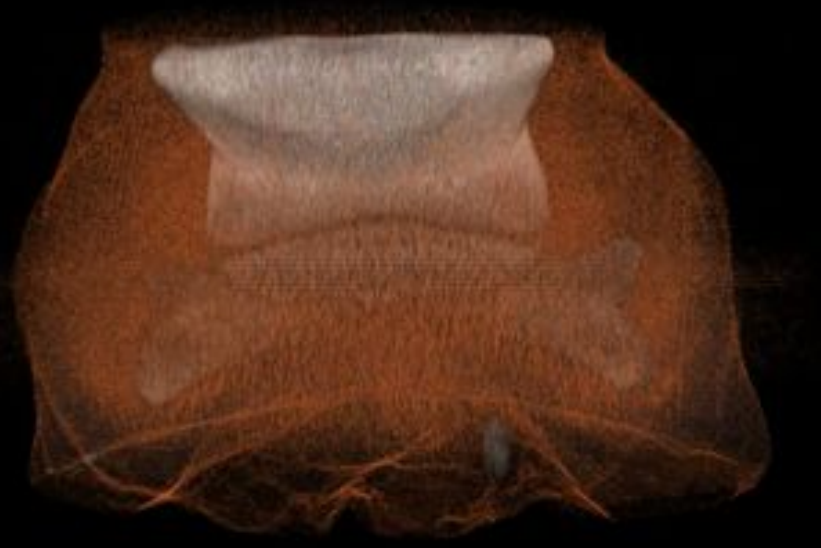


- ✓ Plus de frottements
- ✓ Elasticité
- ✓ Amortissement
- ✓ Contrainte

Ou conserver des clous ?

- ✓ Frottements
- ✓ Elasticité
- ✓ Amortissement
- ✓ Contrainte

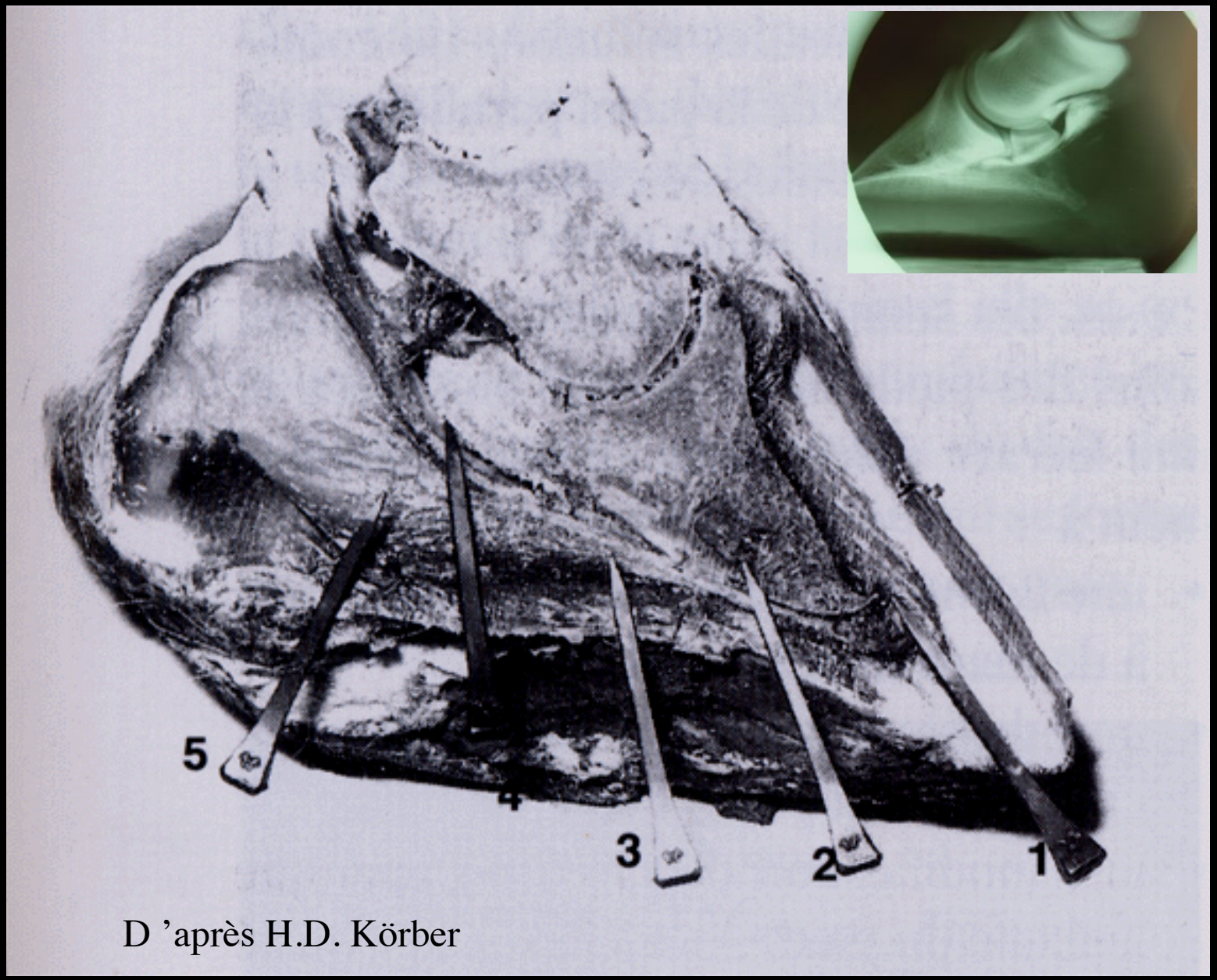
Etudes sur la Physique des Matériaux



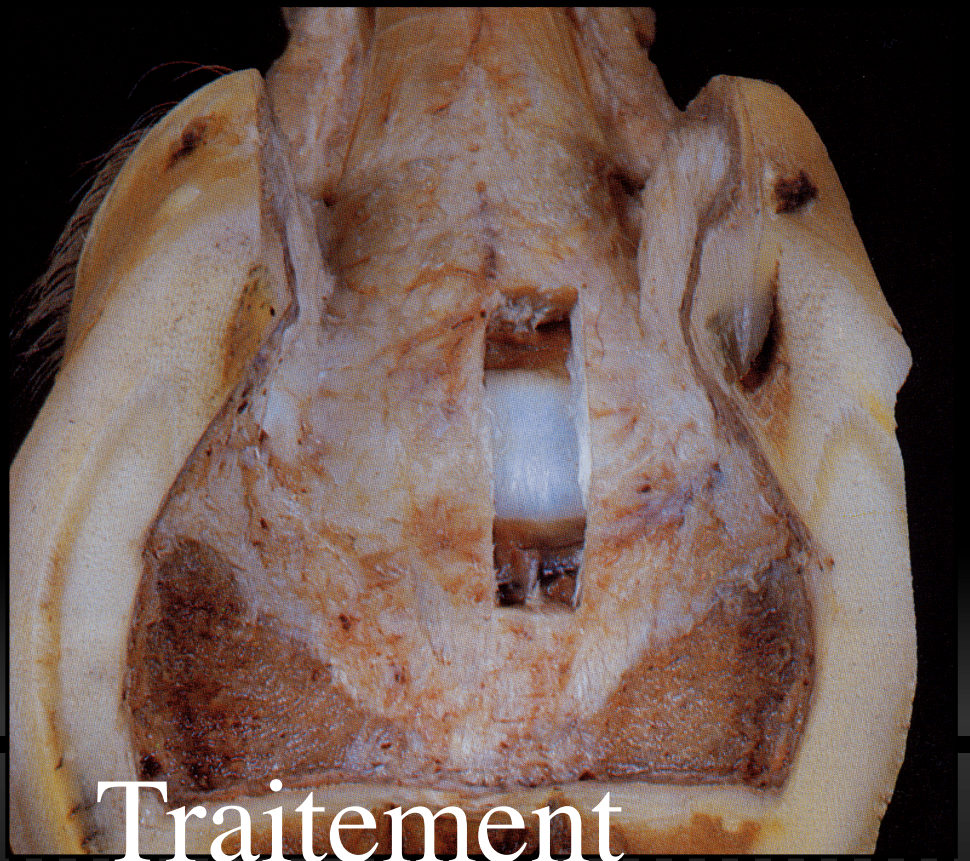
Validation des Procédures

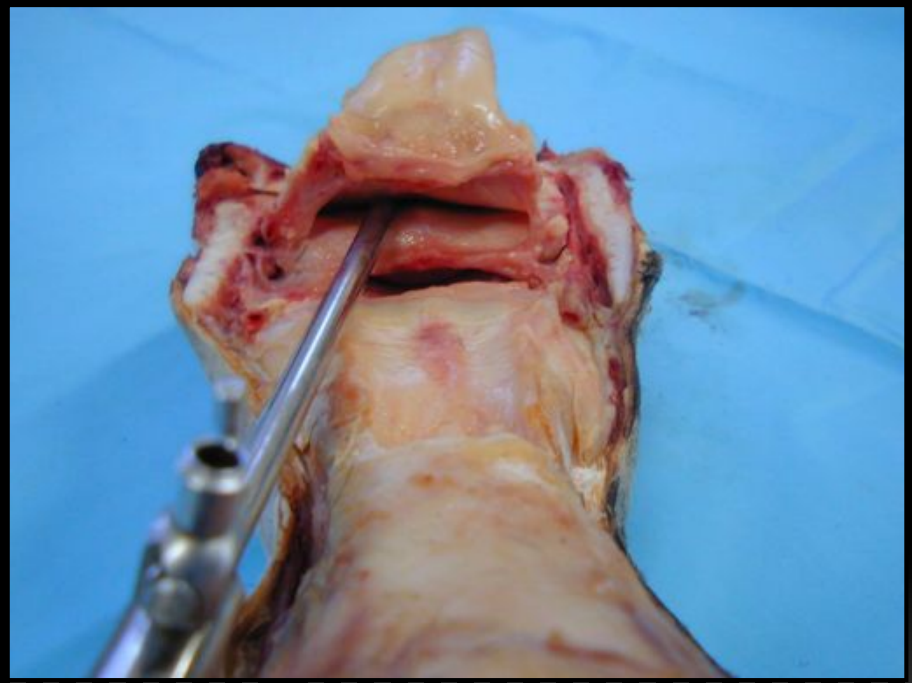
Le clou et la Pathologie

Le clou de rue

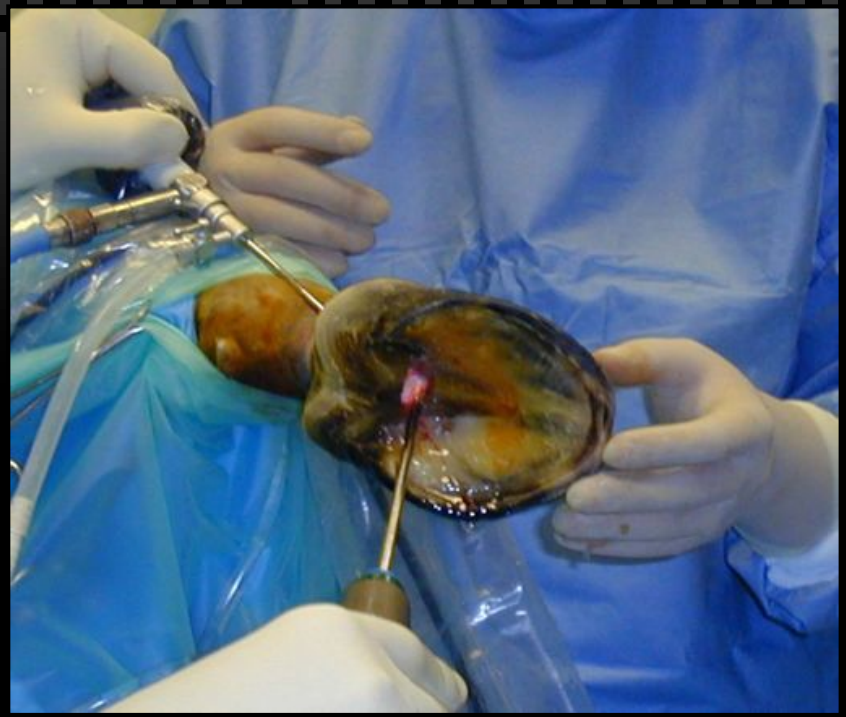


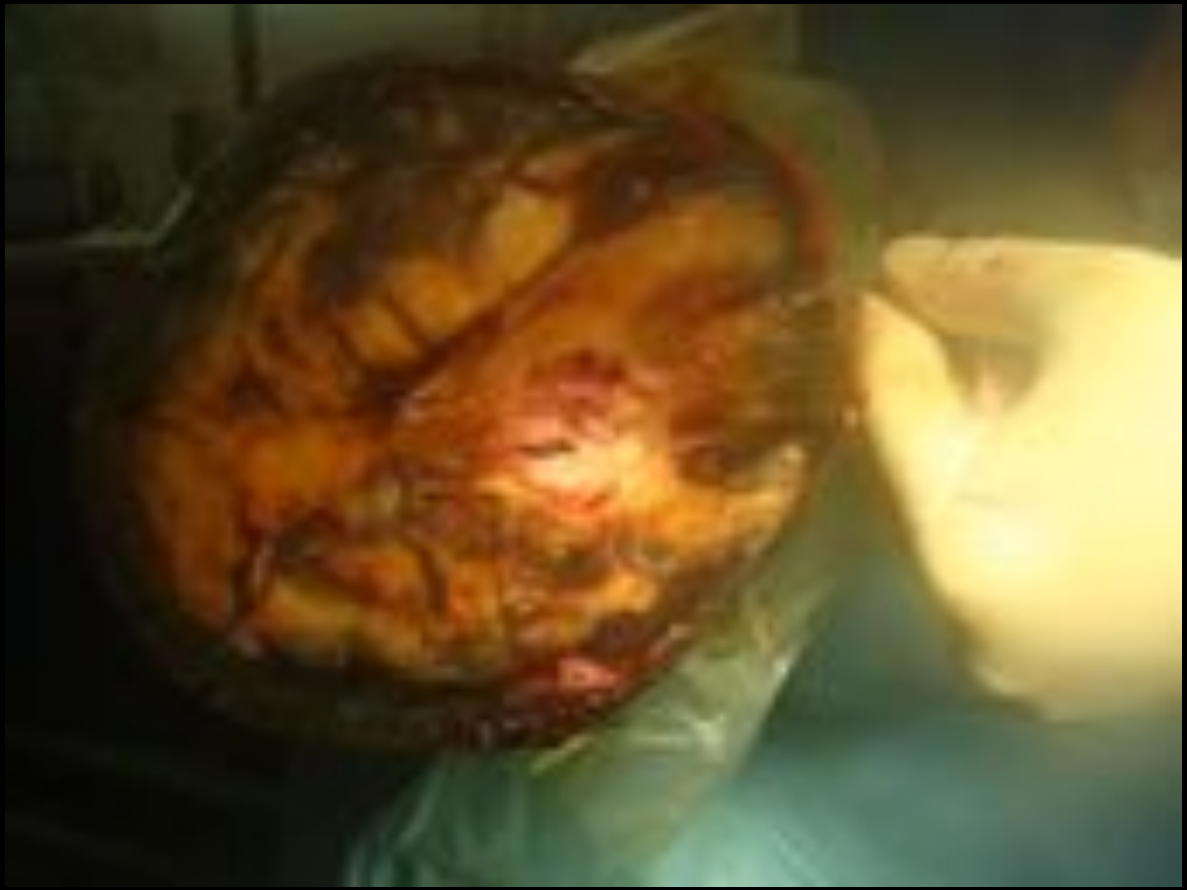
D ’après H.D. Körber



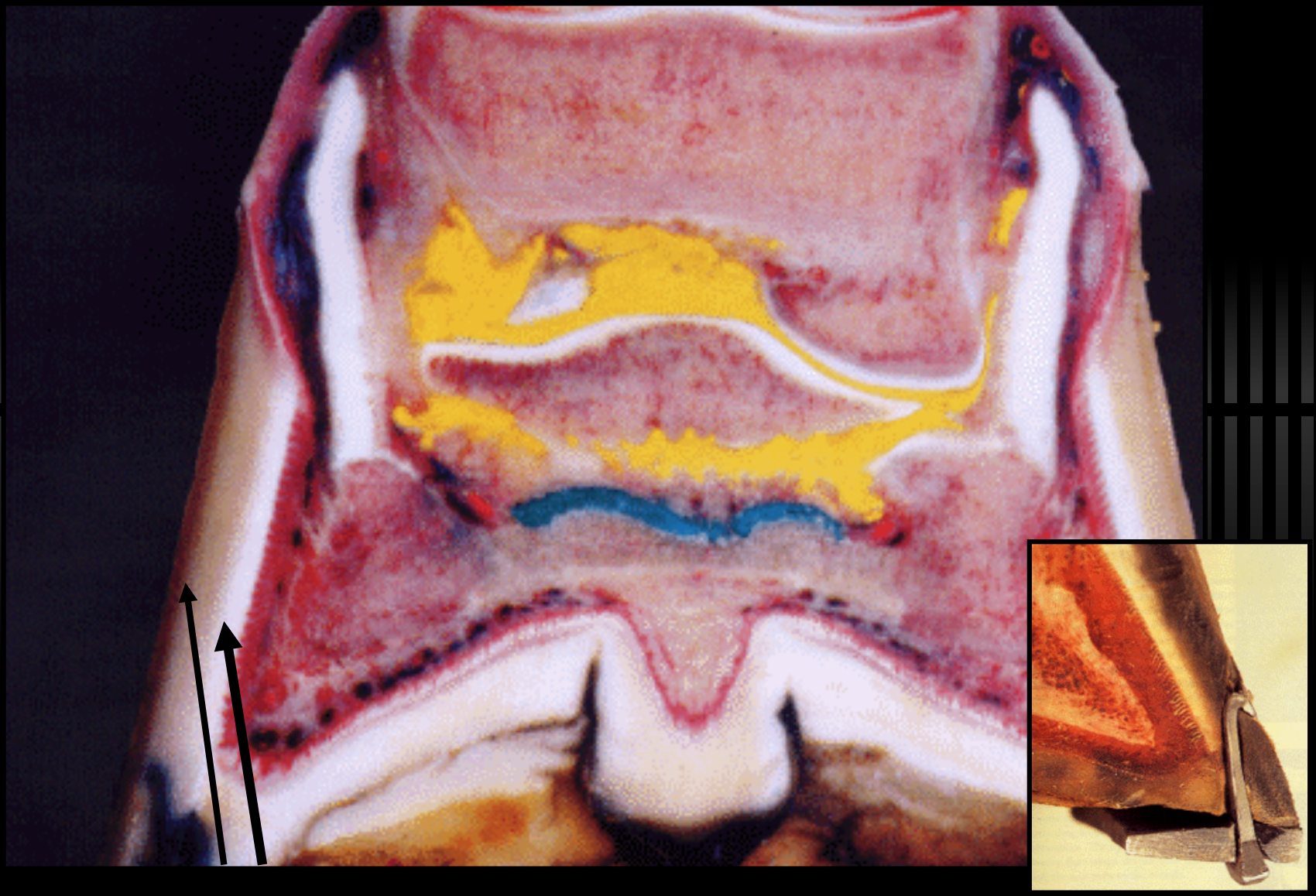


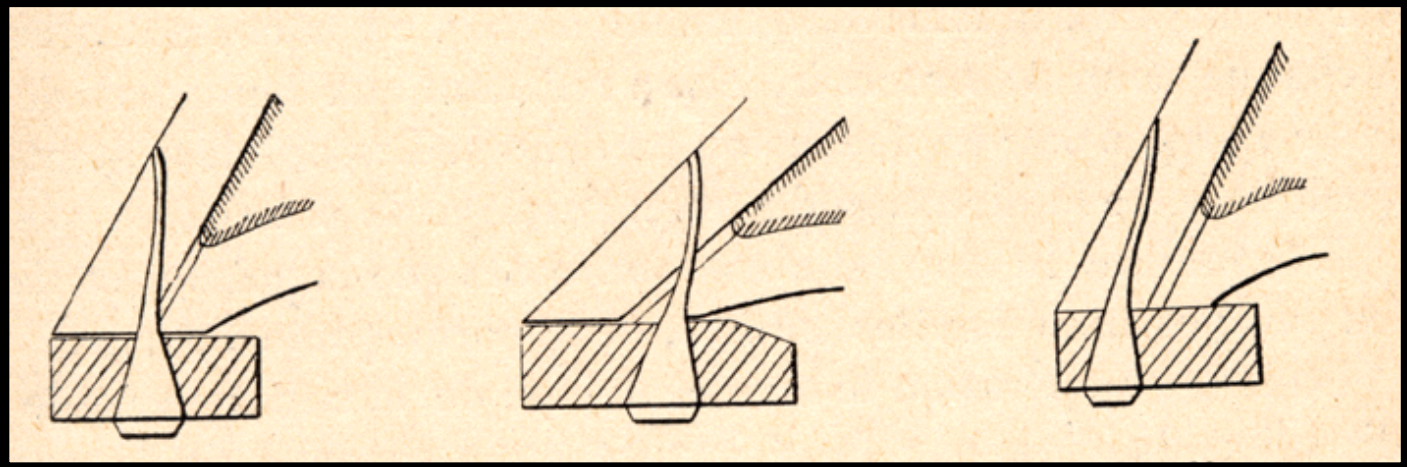
Traitement





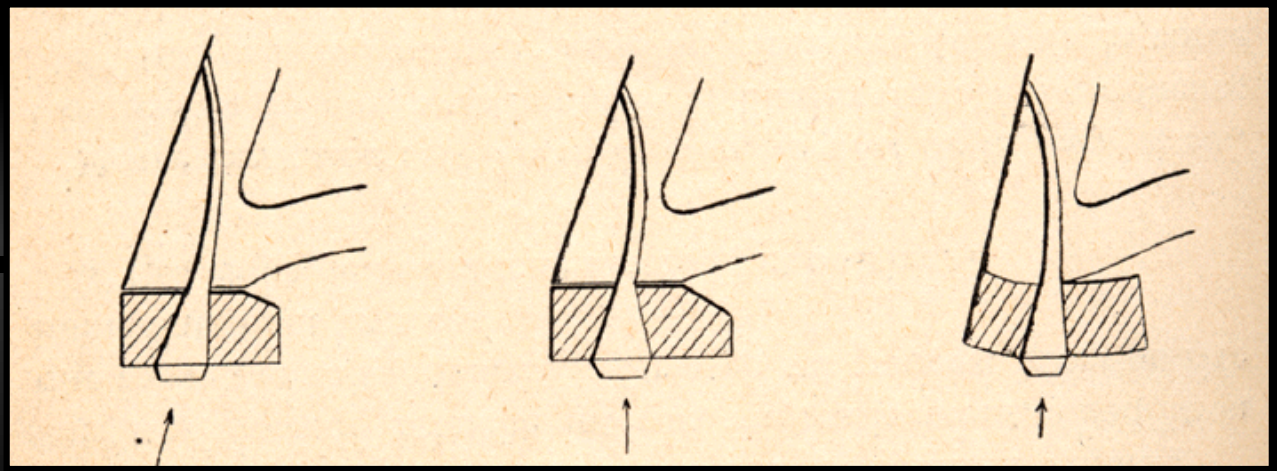
Enclouure et Piqûre



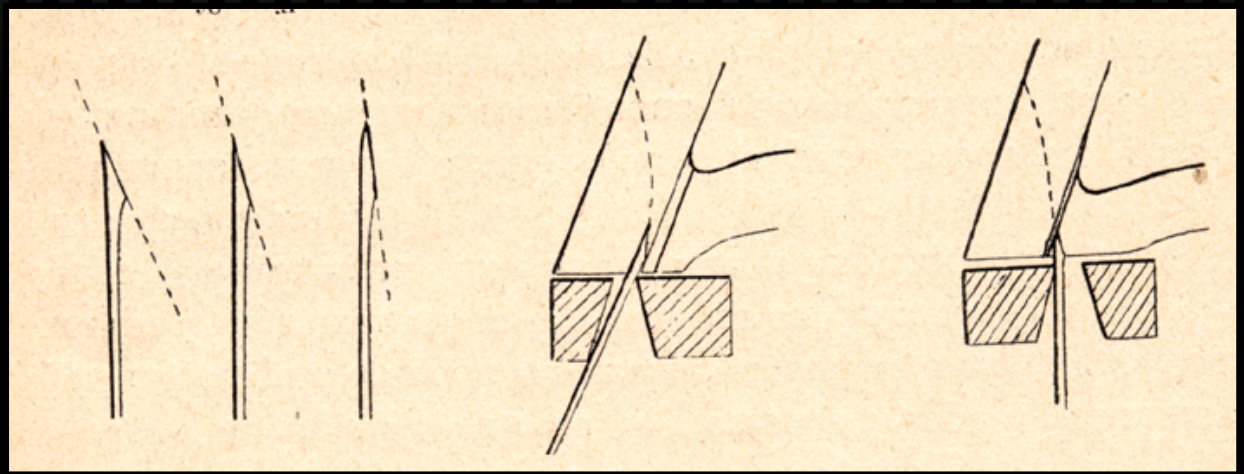


Forme du pied

Ajusture



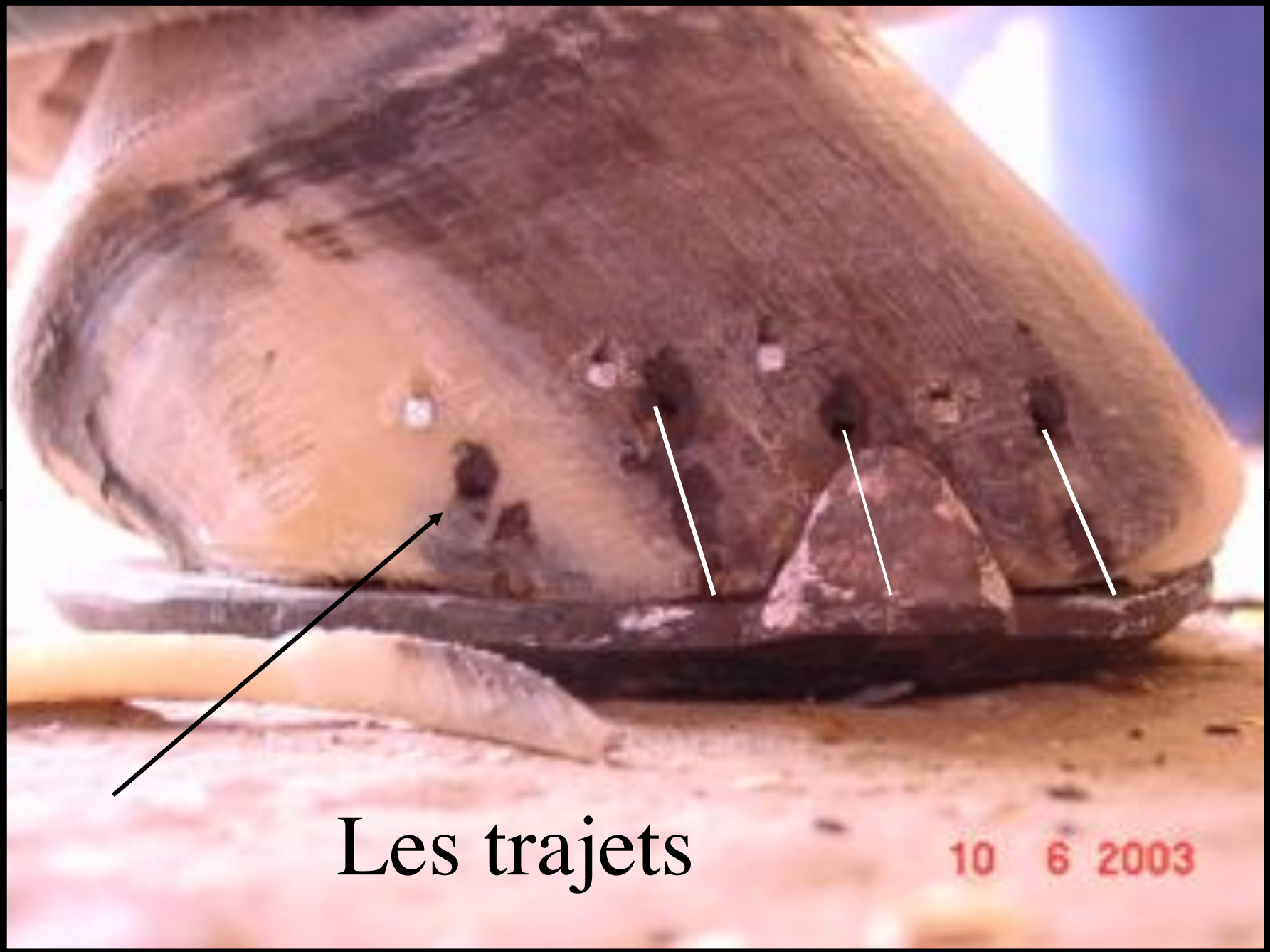
Affilure



D ’après A.Thary

Le placement du clou

De ferrure en ferrure


Les trajets
10 6 2003

12 9 2002

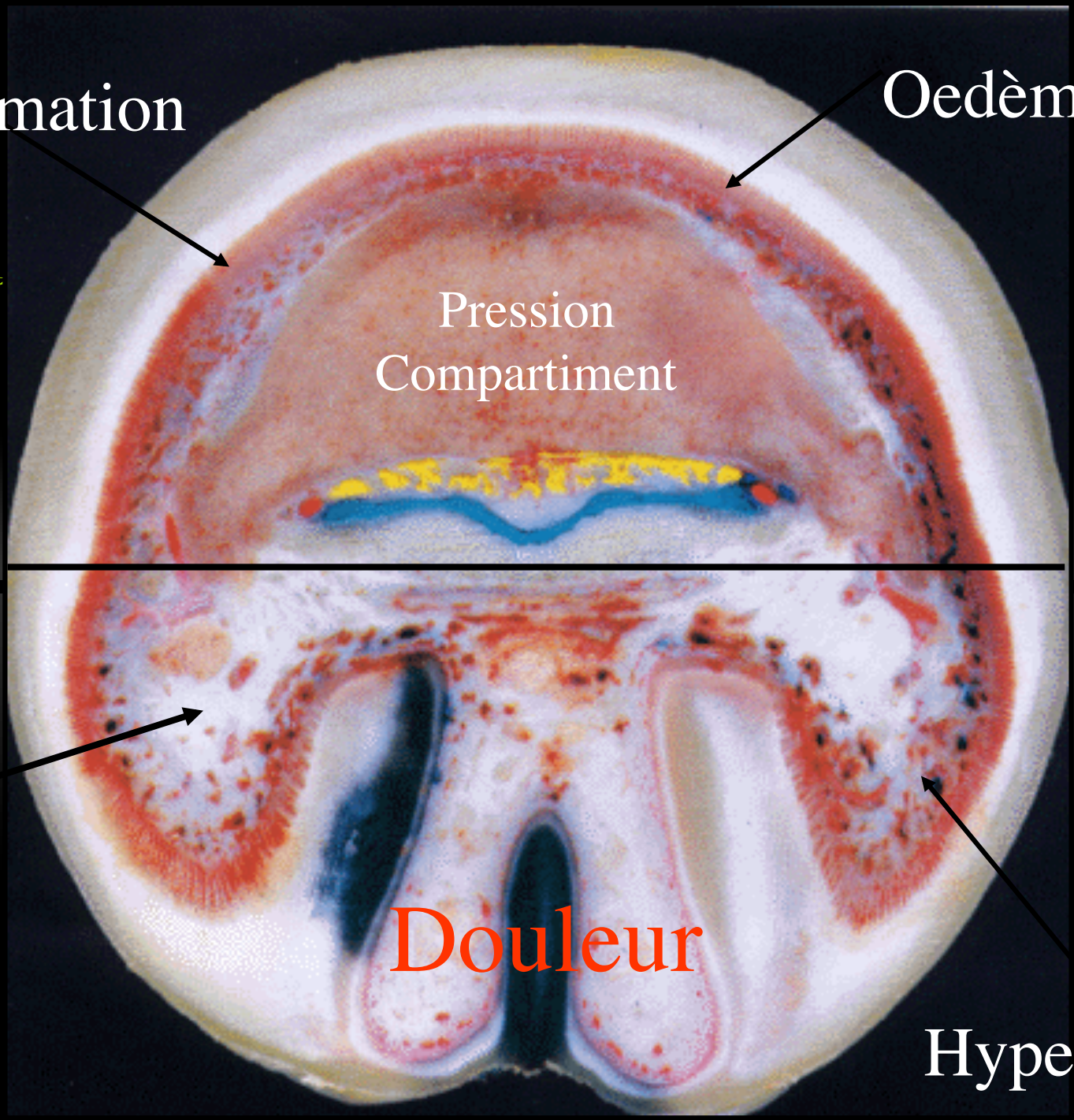
Les plaques

Les rivets

Ferrure « Orthopédique »

Hauteur du placement
22 . 2 2002

La ligne blanche


Inflammation
Oedème
Pression
Compartiment
Enthèse
Douleur
Hyperostose

Conclusion

Confort du cheval
Douleur et affections du pied
Relation Vétérinaire / Maréchal