

ANATOMIE DE LA MAIN

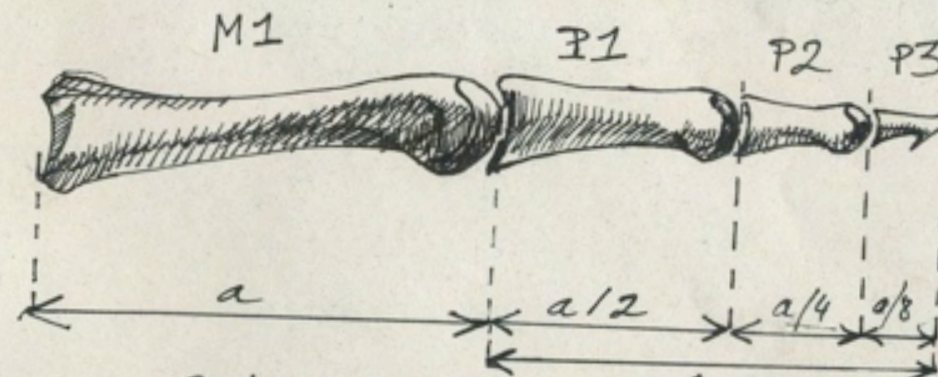
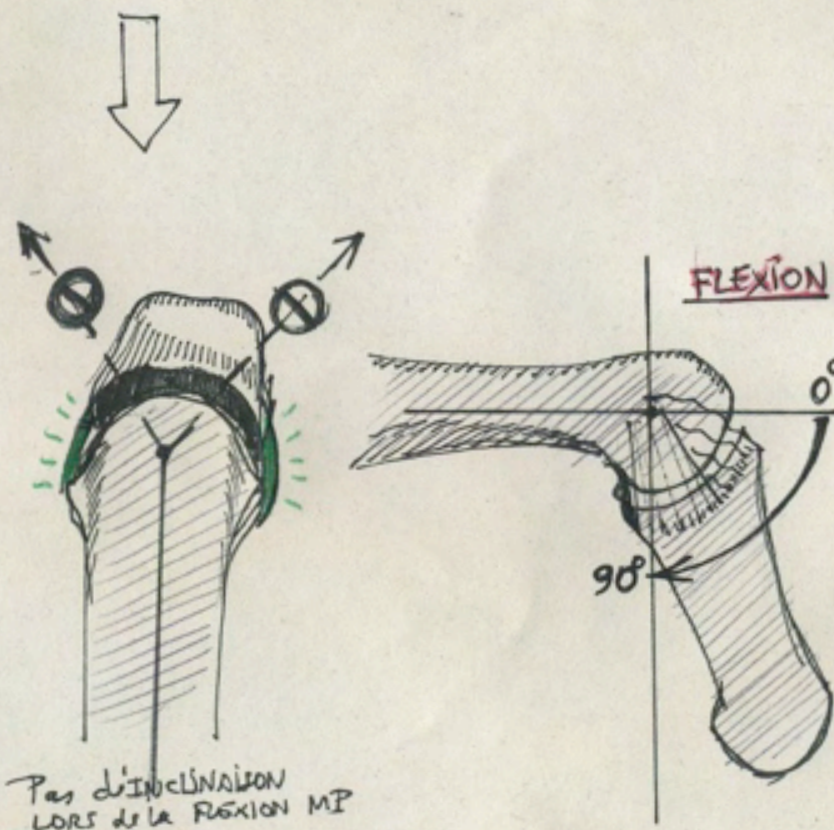
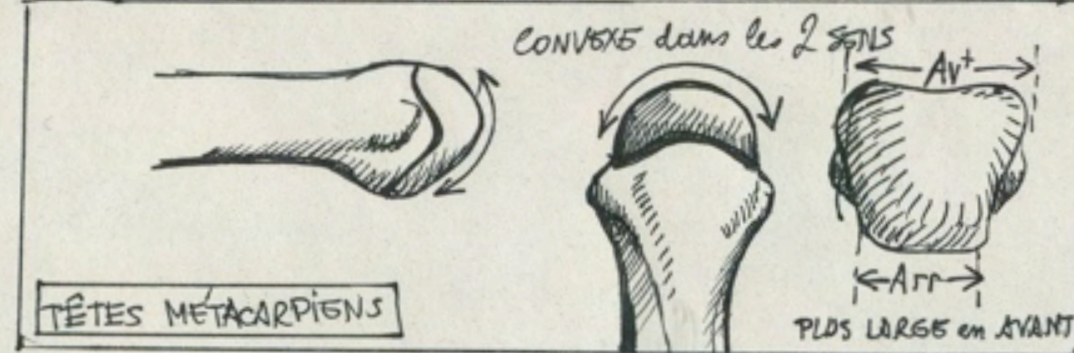
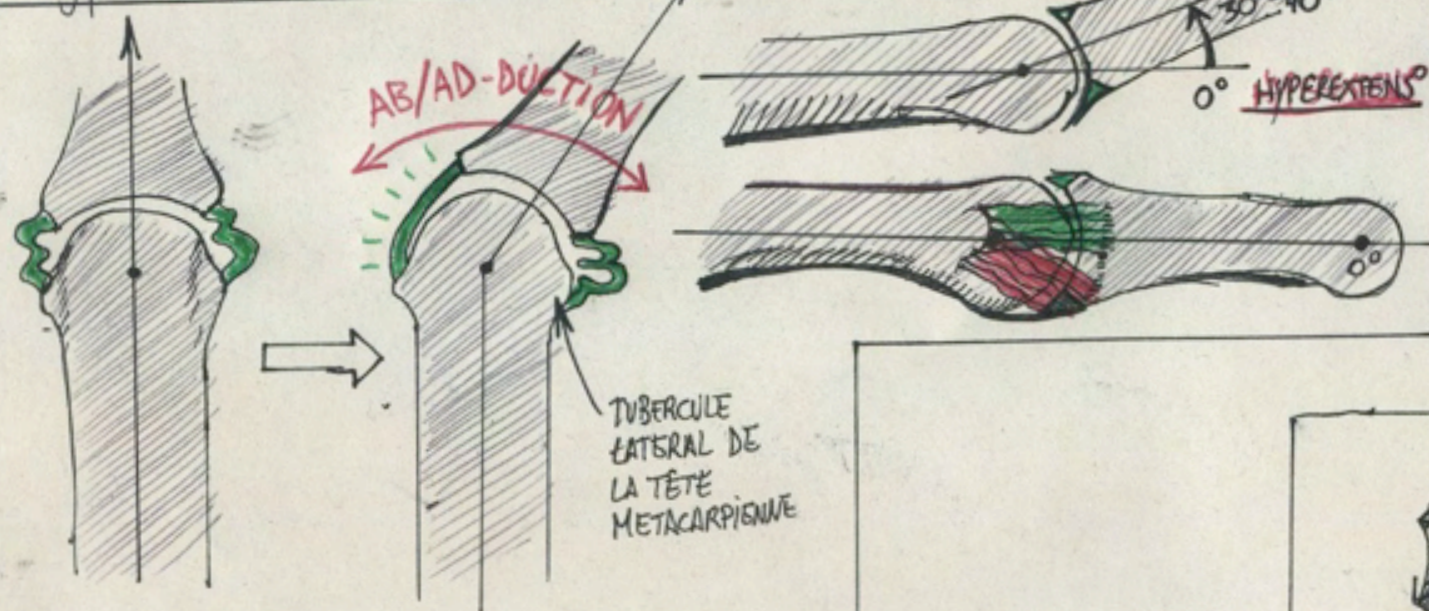
-

D.I.U DE LA MAIN

Soubeyrand Marc, Sce Orthopédie, CHU Kremlin-
Bicêtre

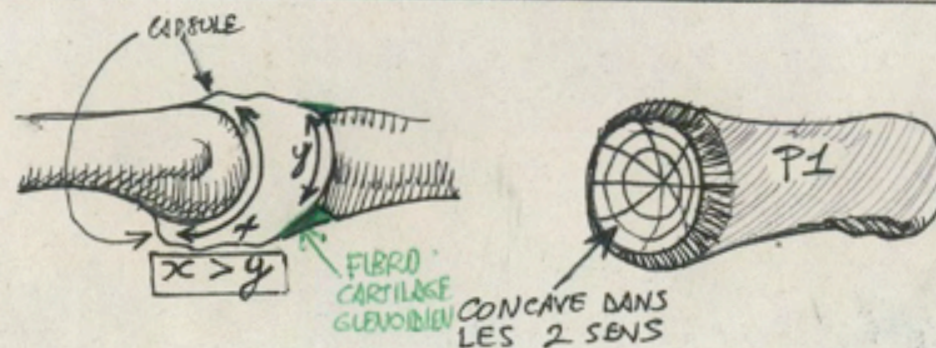
ARTICULATIONS METACARPO-PHALANGIENNES (1)

Type CONDYLIENNES : 2 DEGRÉS de LIBERTÉ = FLEXION-EXTENSION / INCLINAISON RADIALE-ULNAIRE



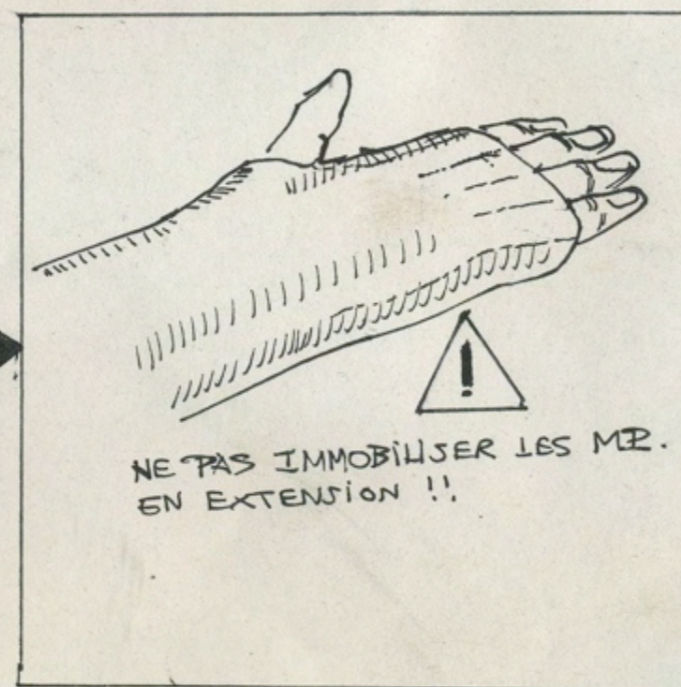
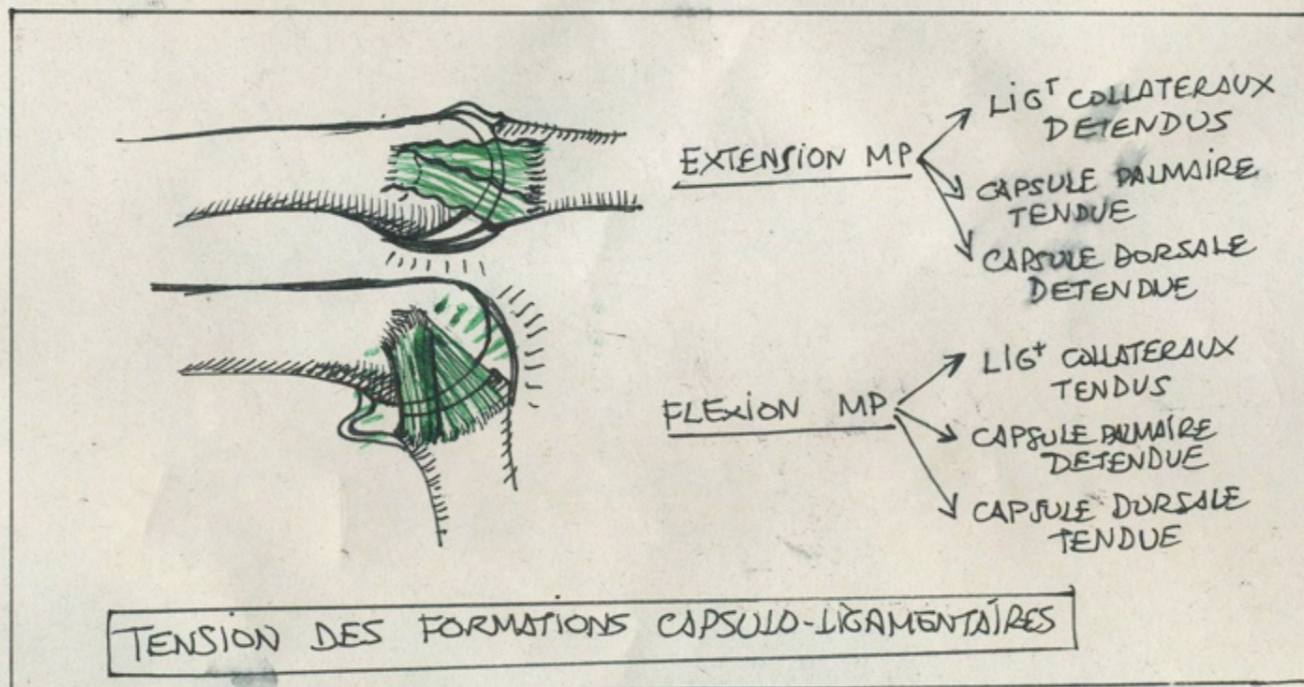
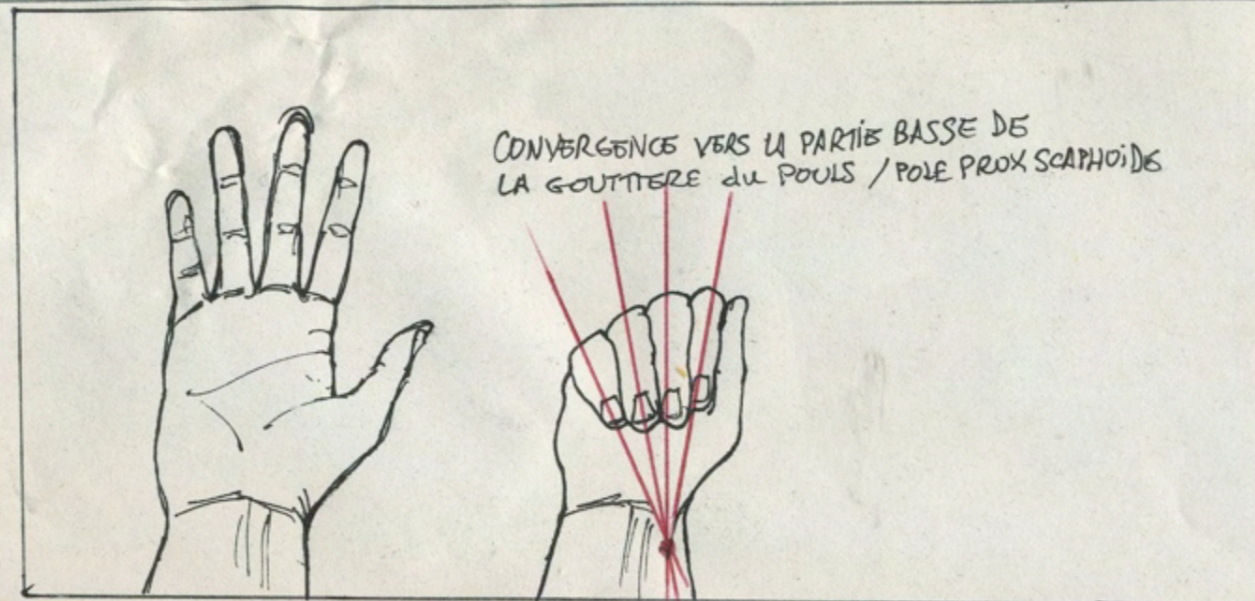
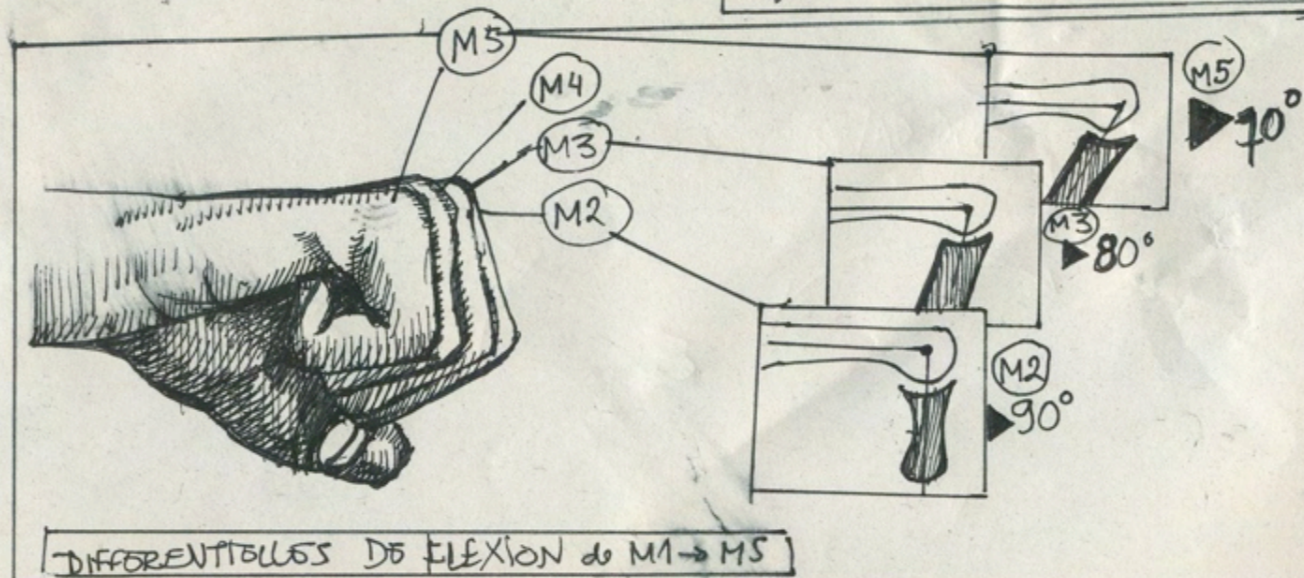
Suite de FIBONACCI:
 $\rightarrow M1 = P1 + P2 + P3$
 $\rightarrow P1 = P2 + P3$

PROPORTIONS

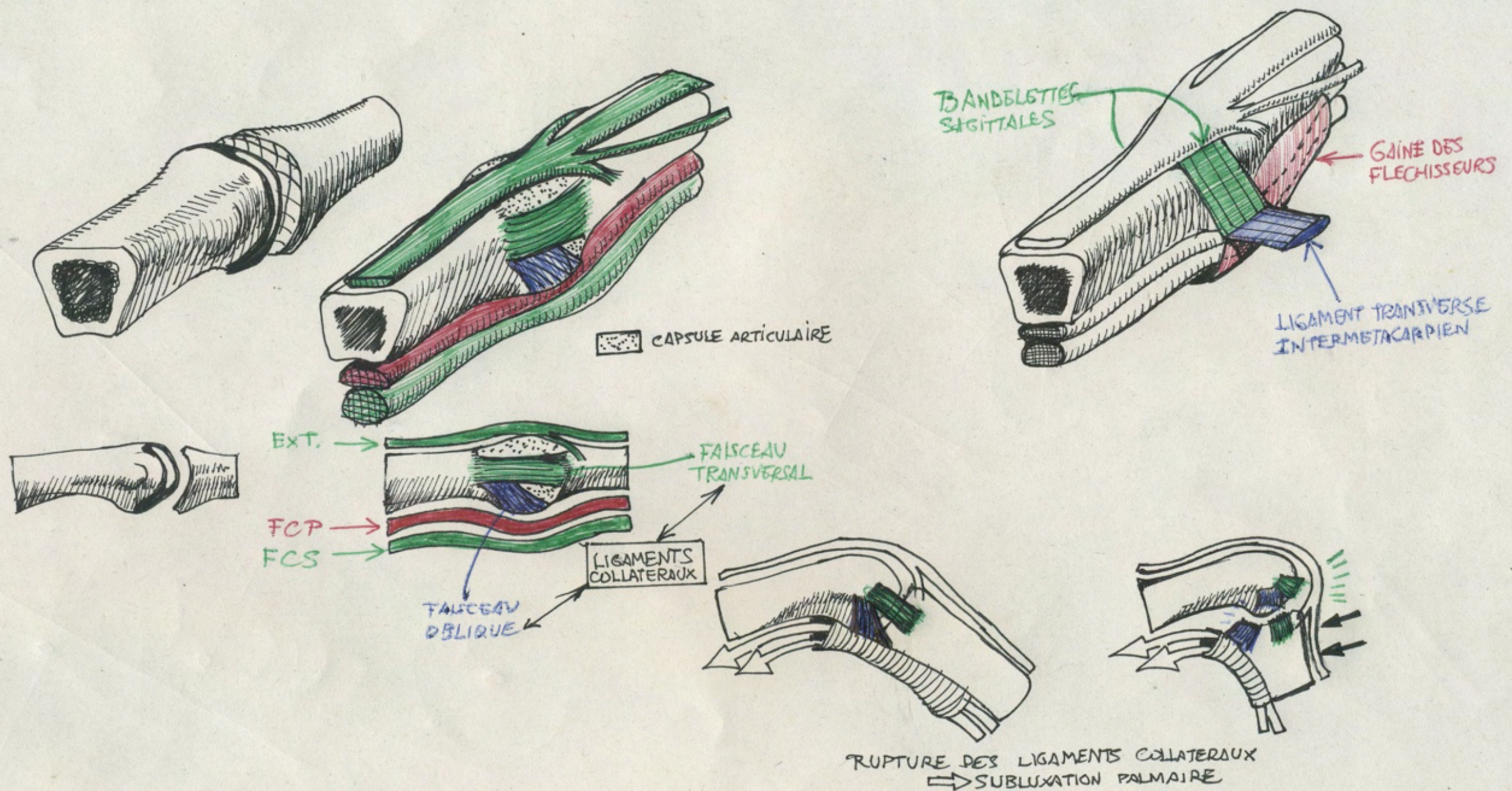


BASE PHALANGE

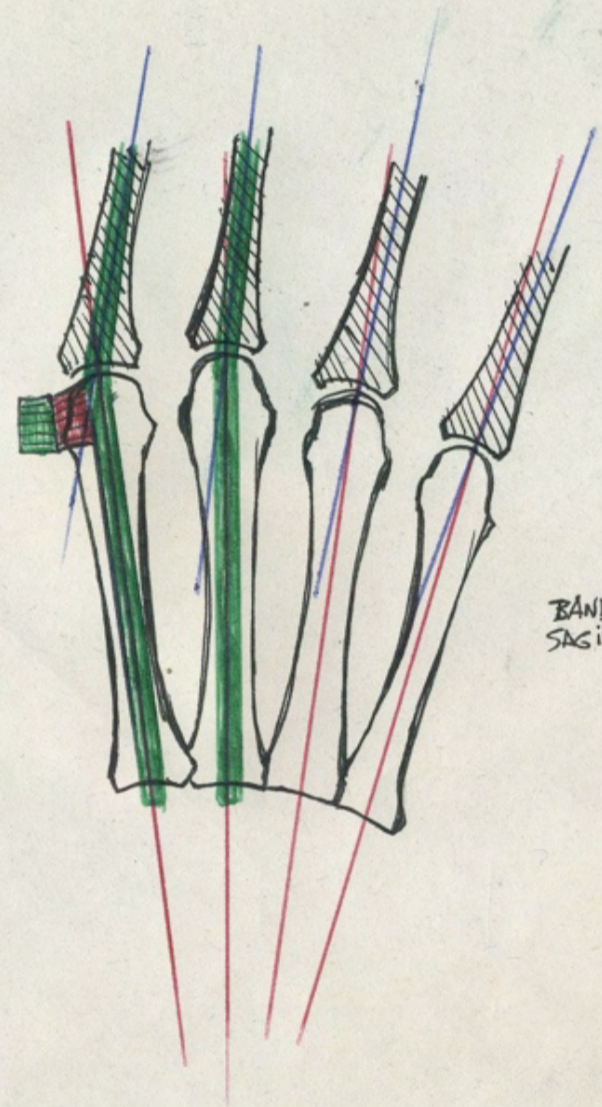
ARTICULATIONS METACARPO-PHALANGIENNES (2)



ARTICULATIONS MÉTACARPHO-PHALANGIENNES (3)



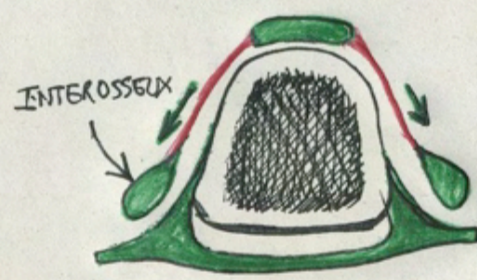
ARTICULATIONS METACARPO-PHALANGIENNES (4)



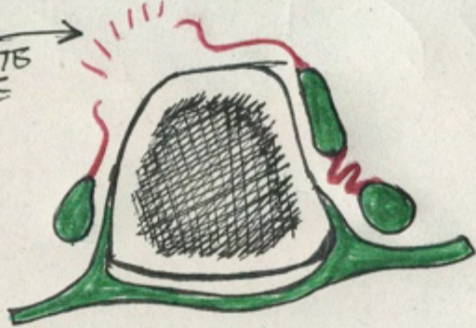
BANDELETTE
SAGITTALE



EXTENSEUR :
TENDANCE
NATURELLE
À PRENDRE
LA "CORDE"
-
LA BANDELETTE
SAGITTALE
EMPECHE CETTE
TENDANCE

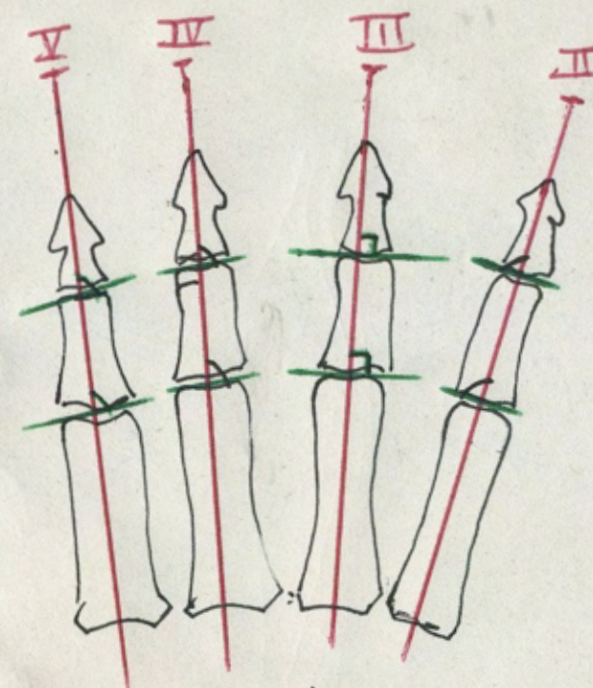
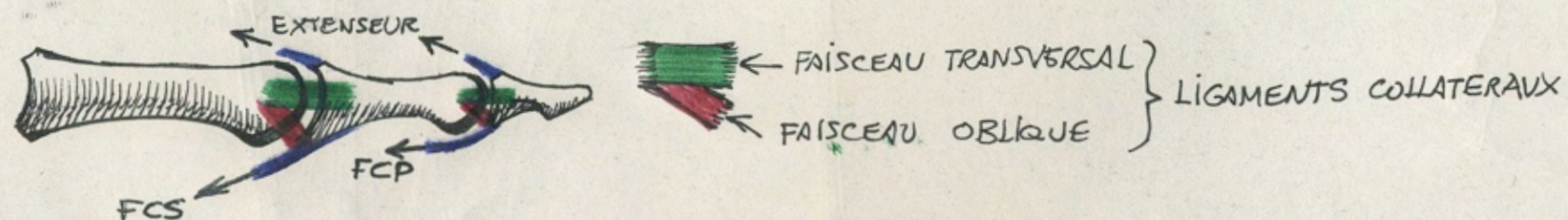
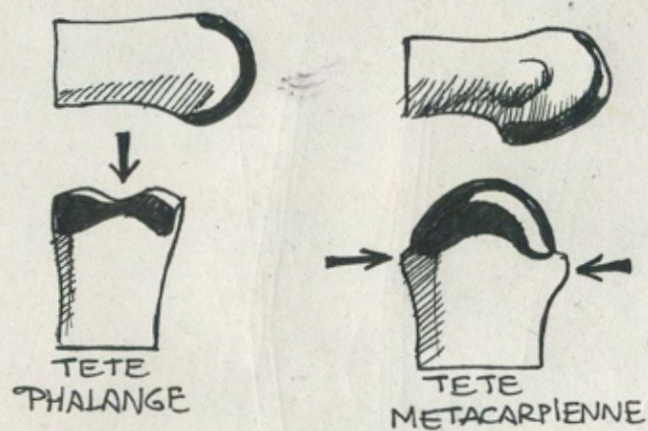


RUPTURE
BANDELETTE
SAGITTALE

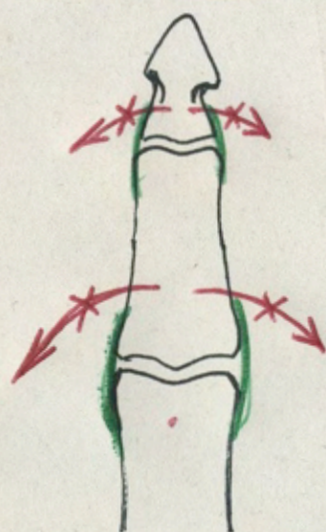


LUXATION
DE
L'EXTENSEUR
DANS LA
VALLÉE
INTERMETA.
(PREND LA CORDE)

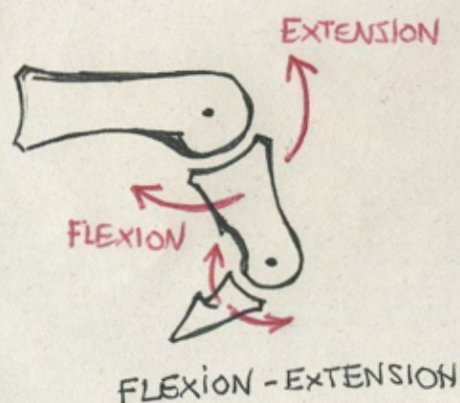
ARTICULATIONS INTERPHALANGIENNES



INCLINAISON DES AXES DE FLEXION-EXTENSION EST VARIABLE SELON LES DOIGTS

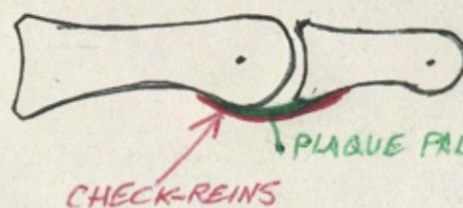


PAS D'ABDUCTION NI D'ADDUCTION

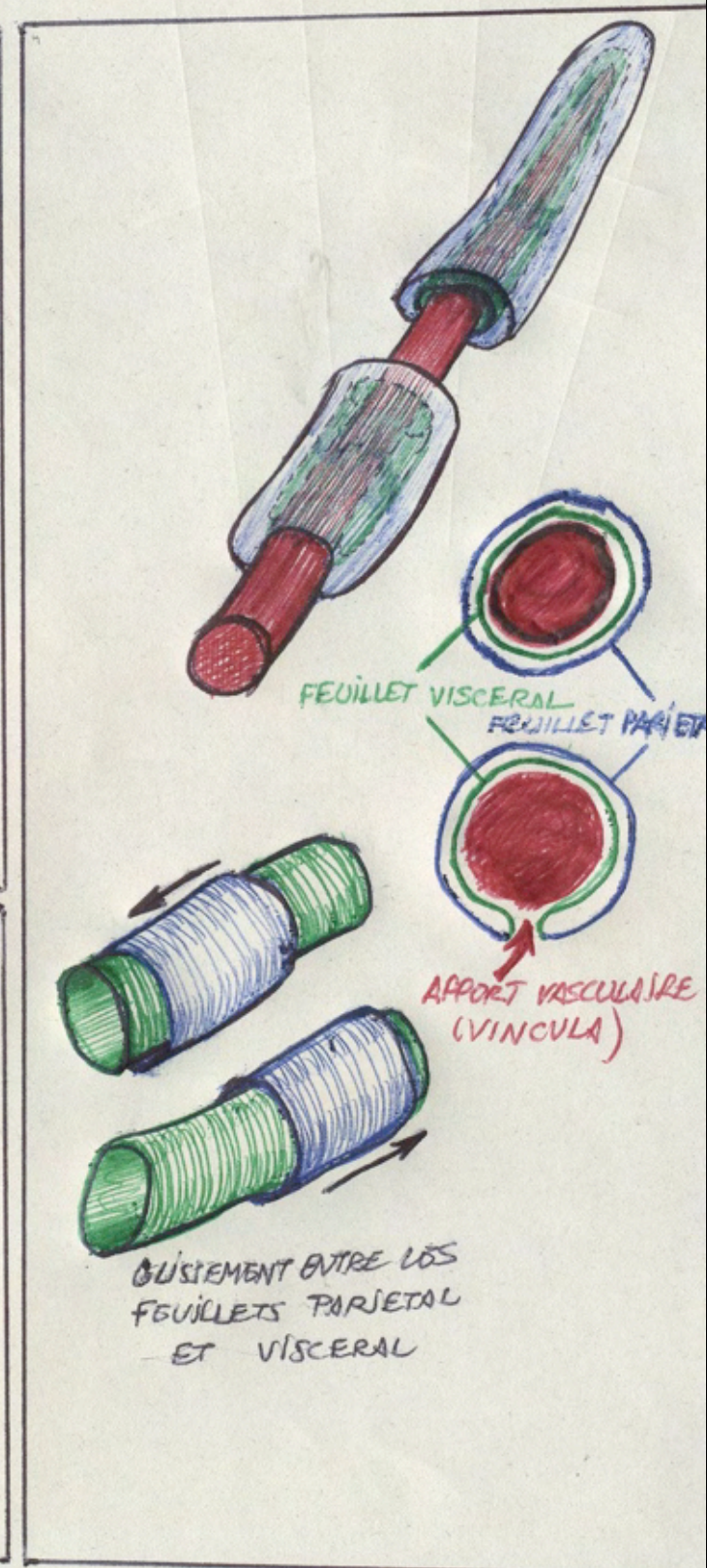
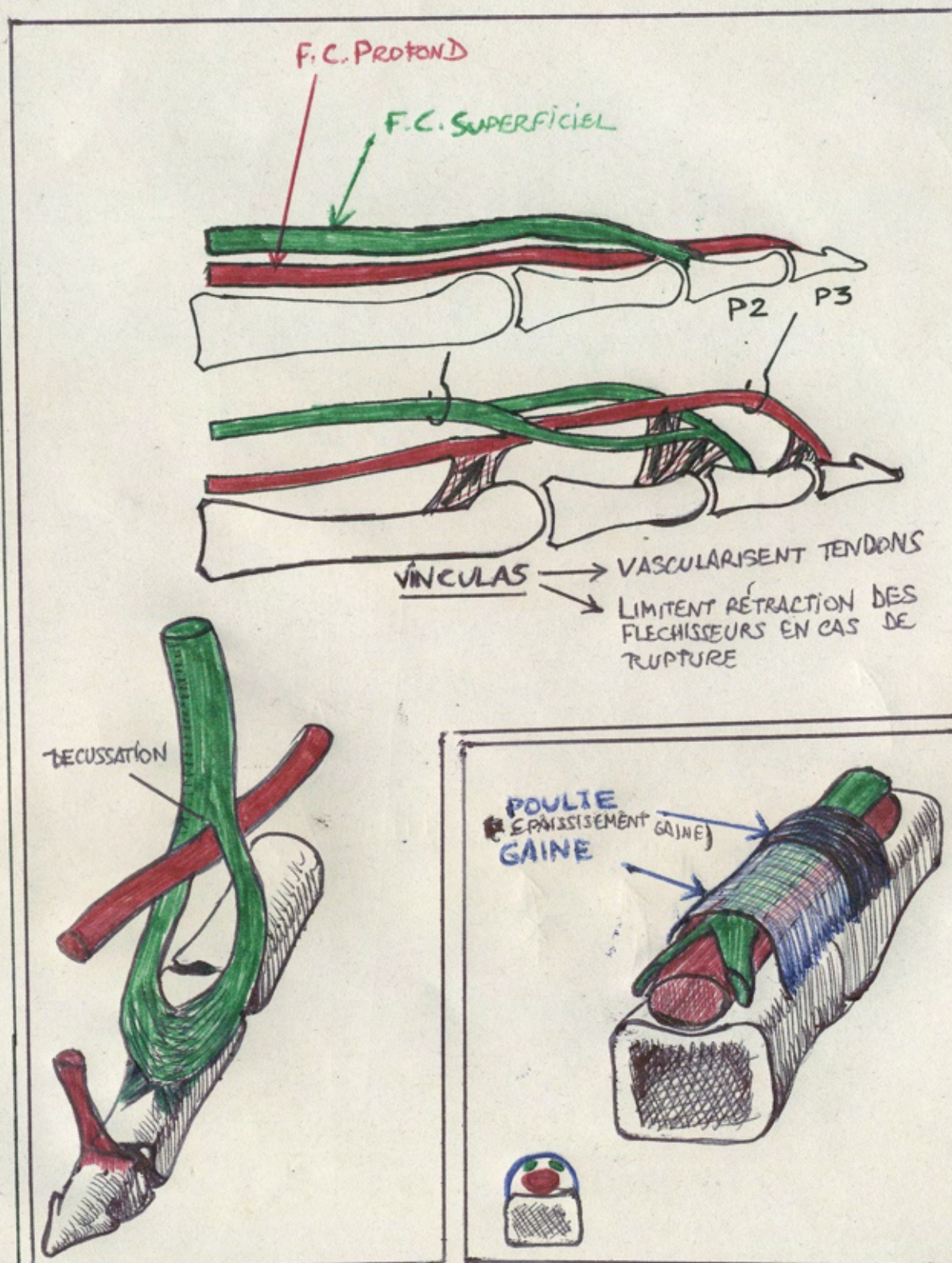
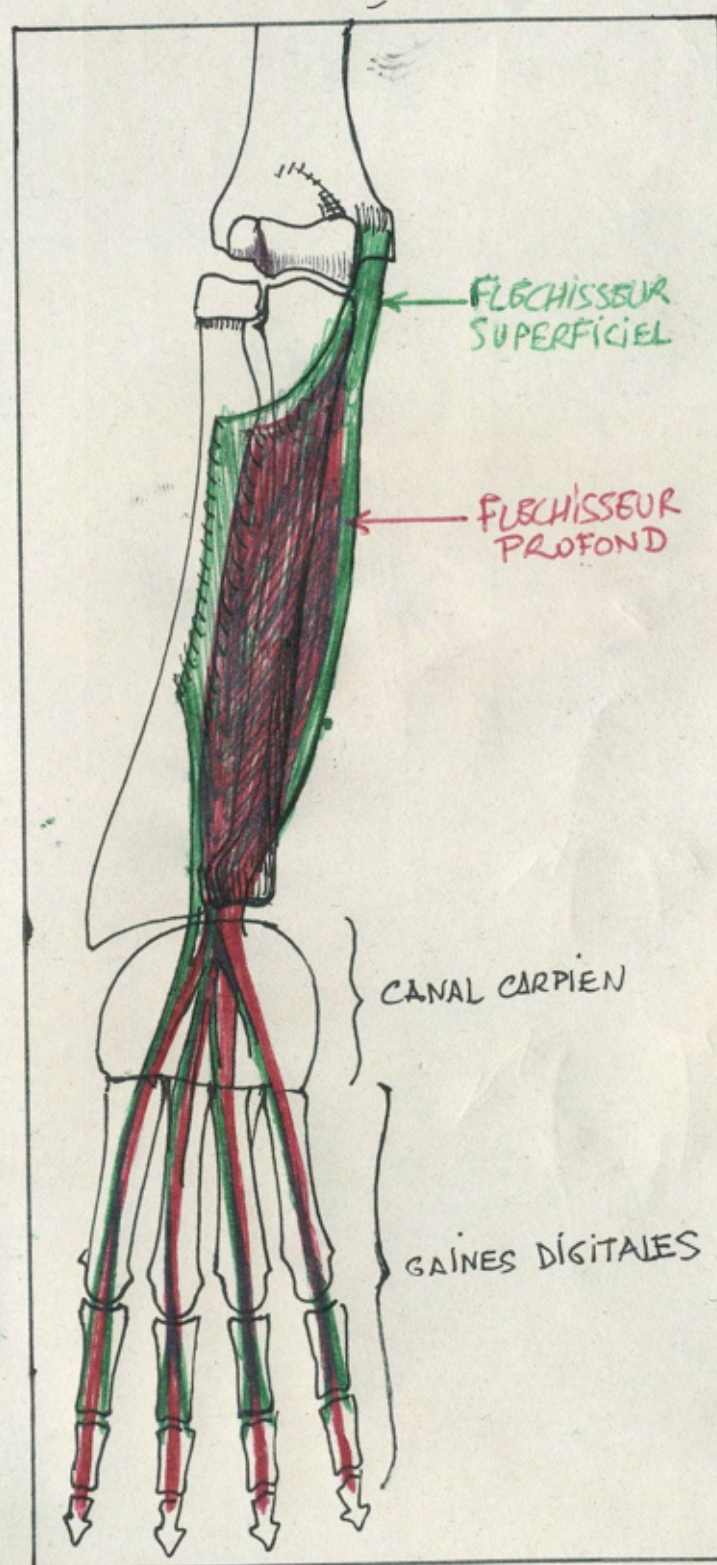


IPP = PAS D'HYPERTENSION

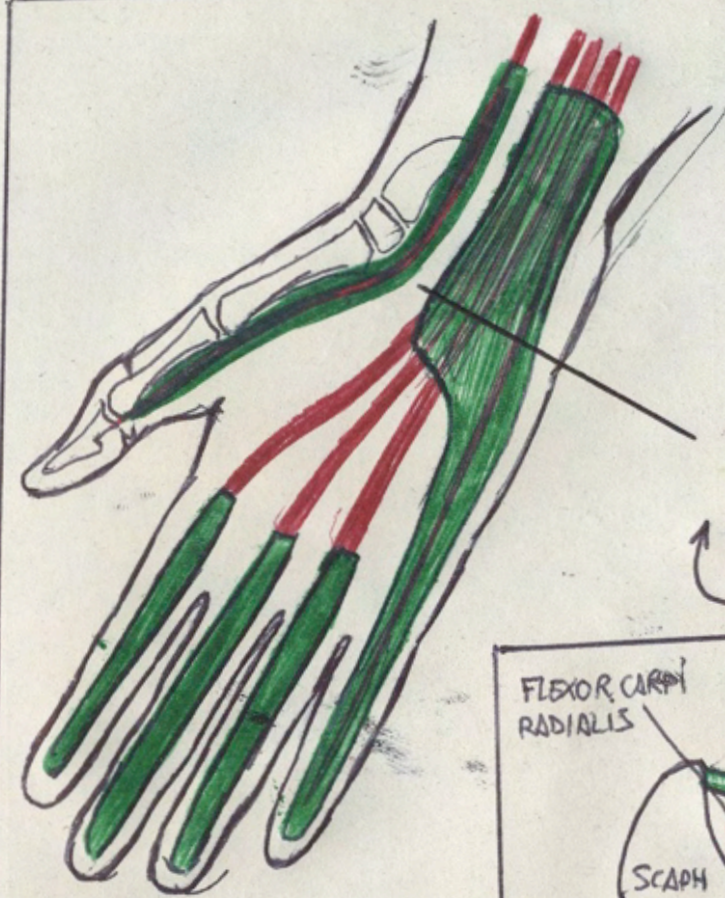
IPP distale $\approx 30^\circ$ D'HYPERTENSION



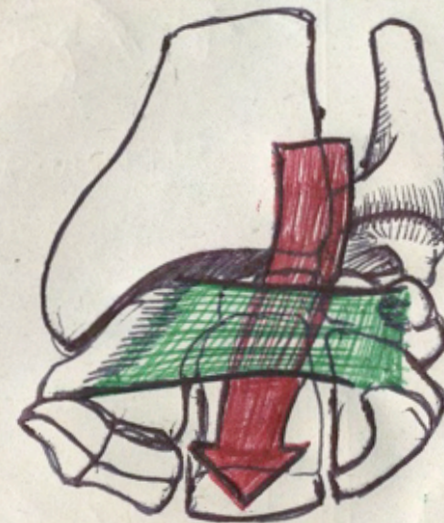
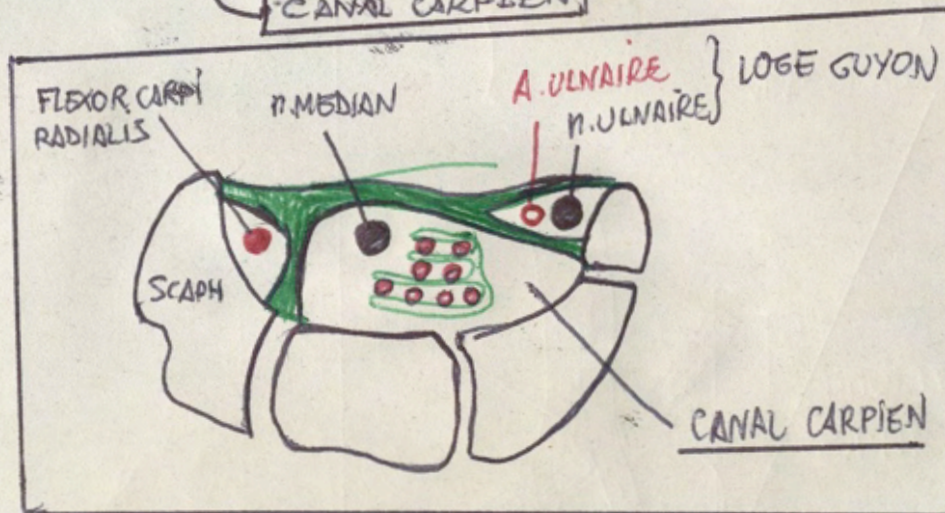
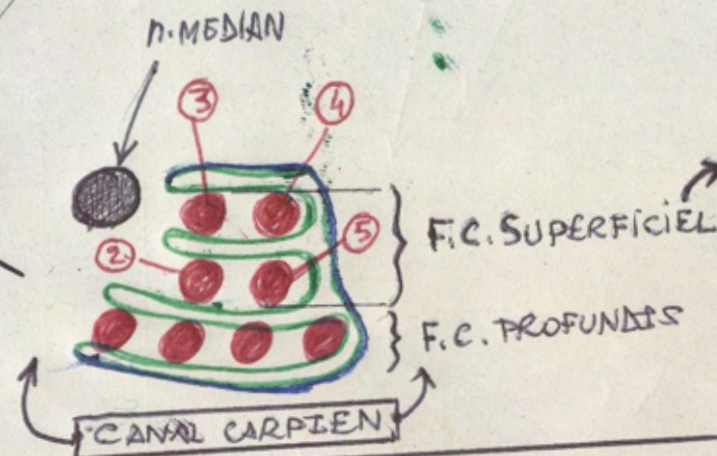
TENDONS FLÉCHISSEURS (1)



TENDONS FLECHISSEURS (2)

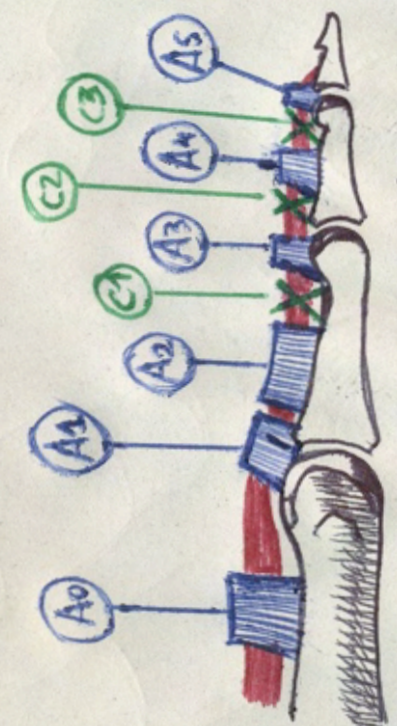


GAINES



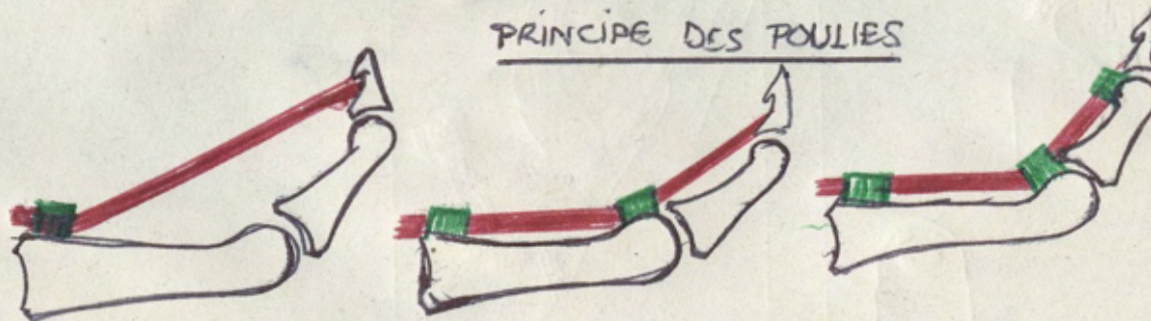
POULIES

Annulairec = A0 → A5
Cruciformes = C1 → C3

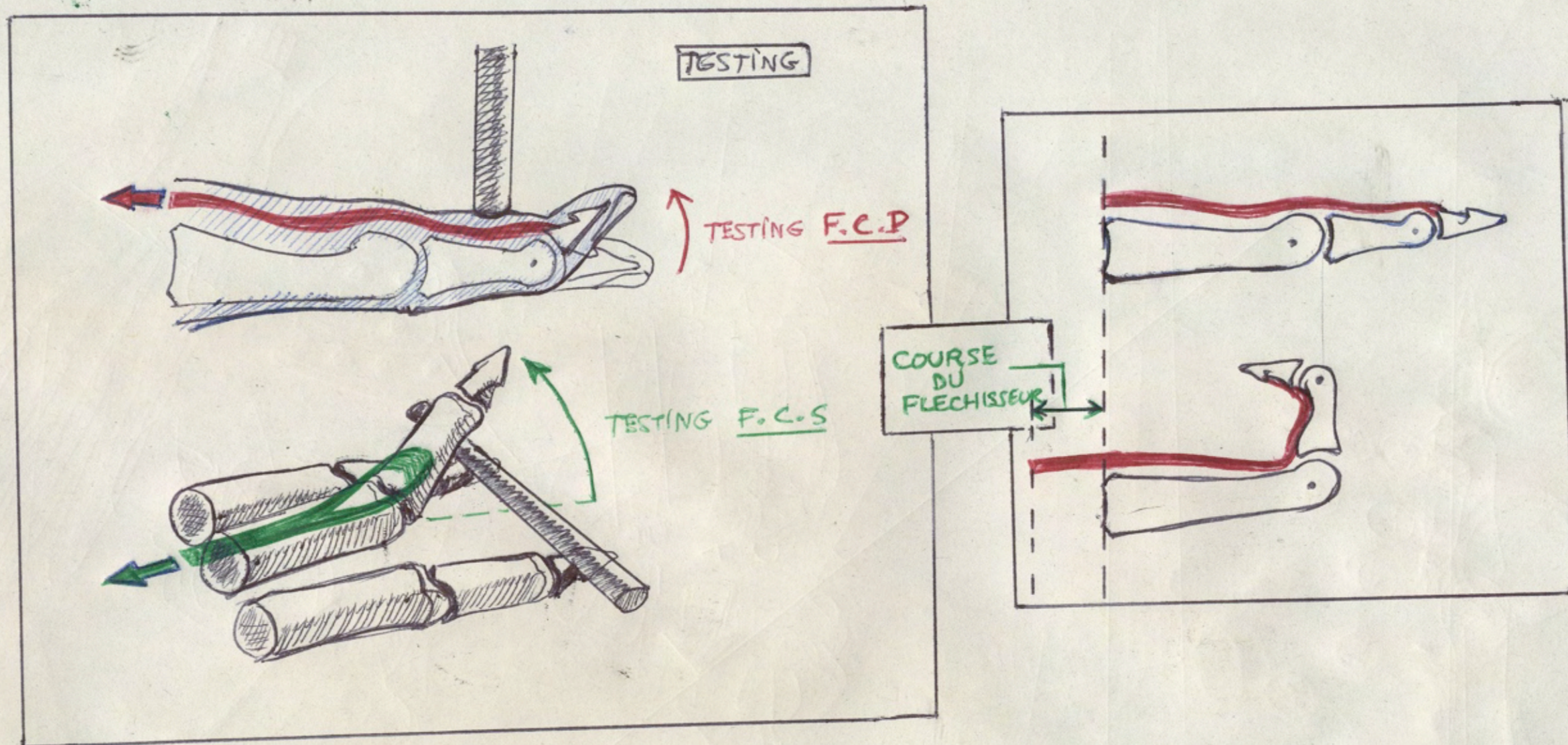


A0, A2, A4, A5 = EN REGARD DES ARTICULATIONS

PRINCIPE DES POULIES



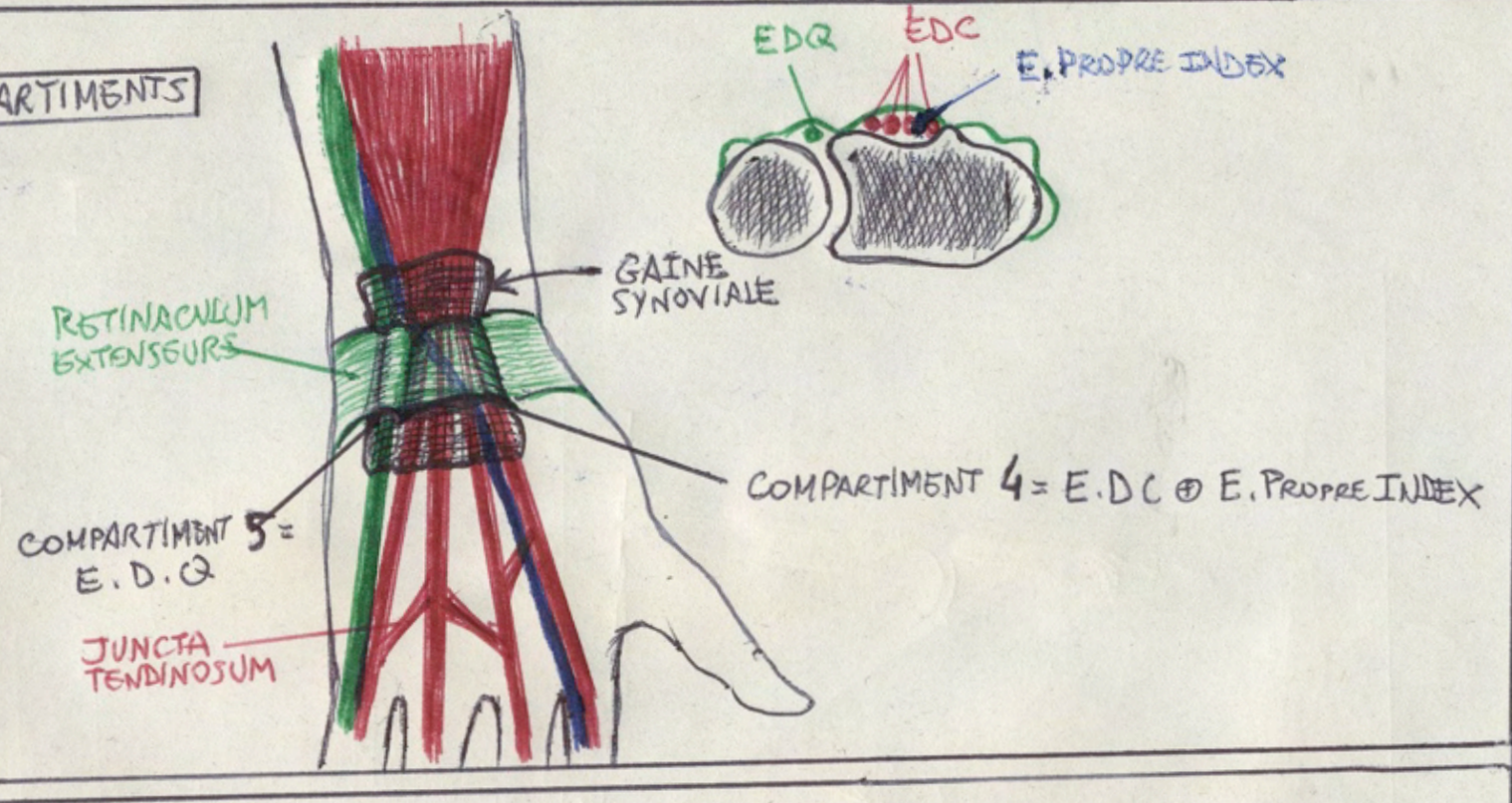
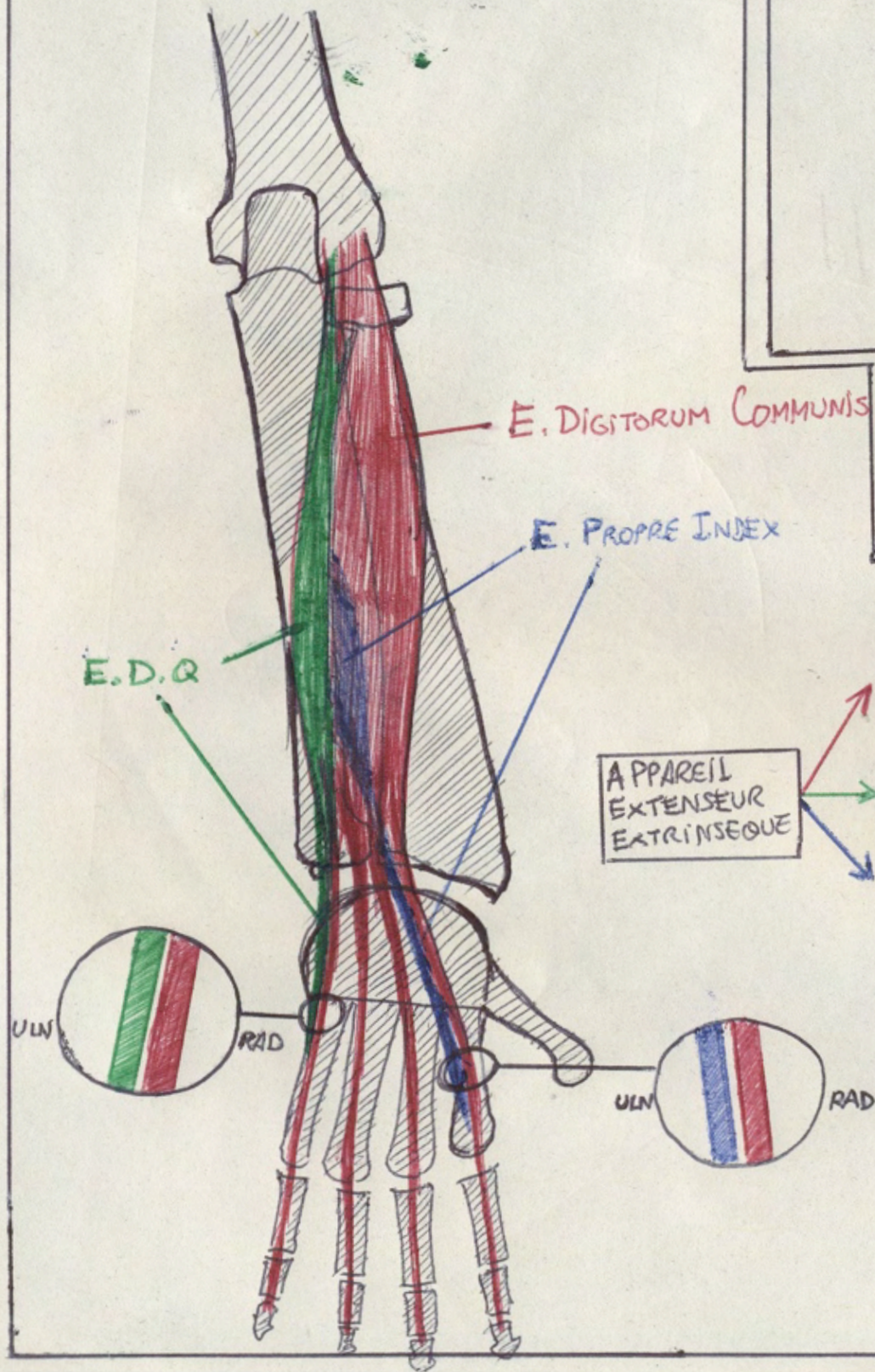
TENDONS FLECHISSEURS (3)



TENDONS EXTENSEURS (1) (APPAREIL EXTENSEUR)

VUE D'ENSEMBLE

COMPARTIMENTS



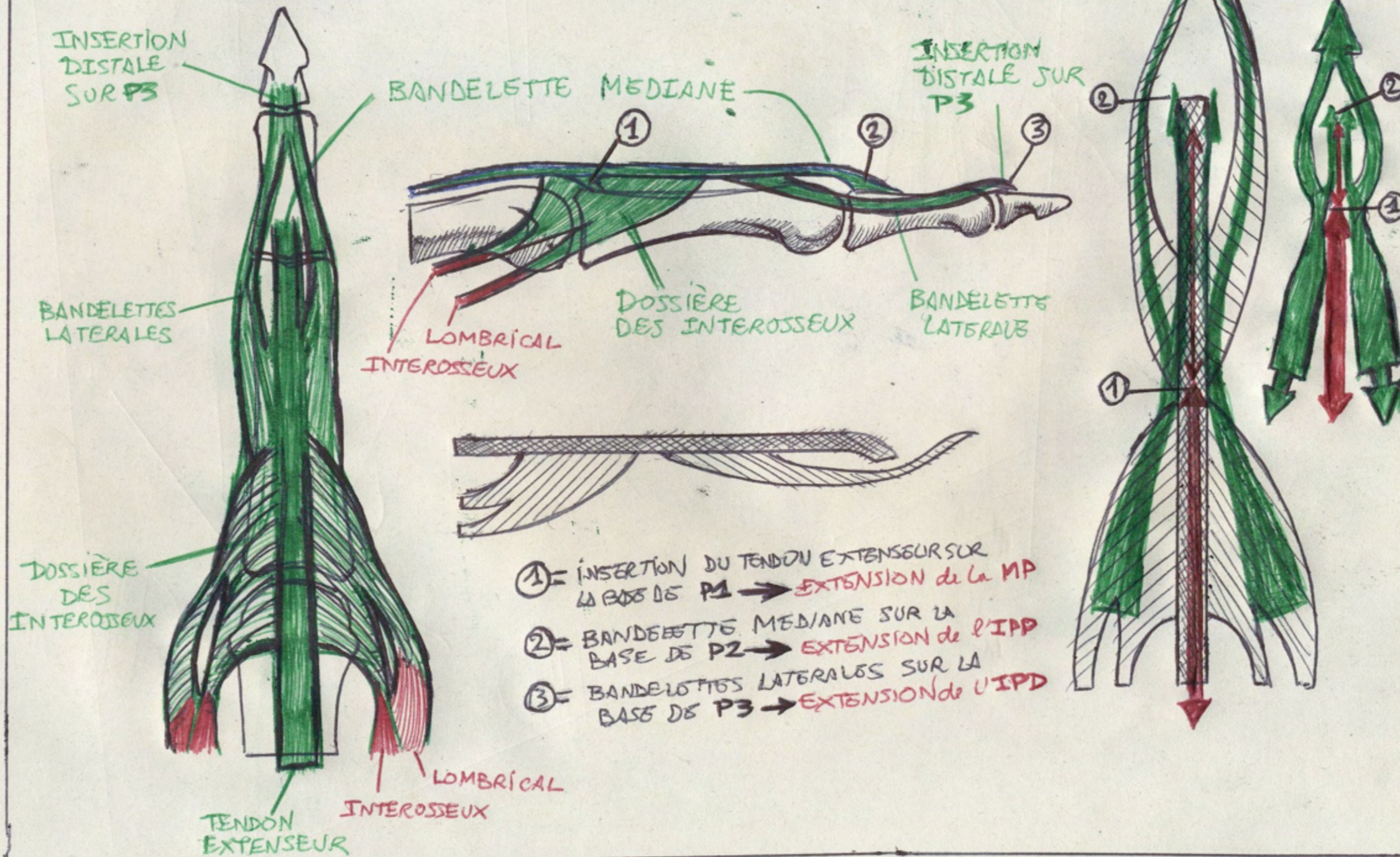
APPAREIL EXTENSEUR EXTRINSEQUE

- E.DIGITORUM COMMUNIS = Pour les 4 DOIGTS LONGS
- E.DIGITI. QUINTI = Pour le 5^{ème} DOIGT
- E.PROPRE INDEX = Pour le 2^e DOIGT

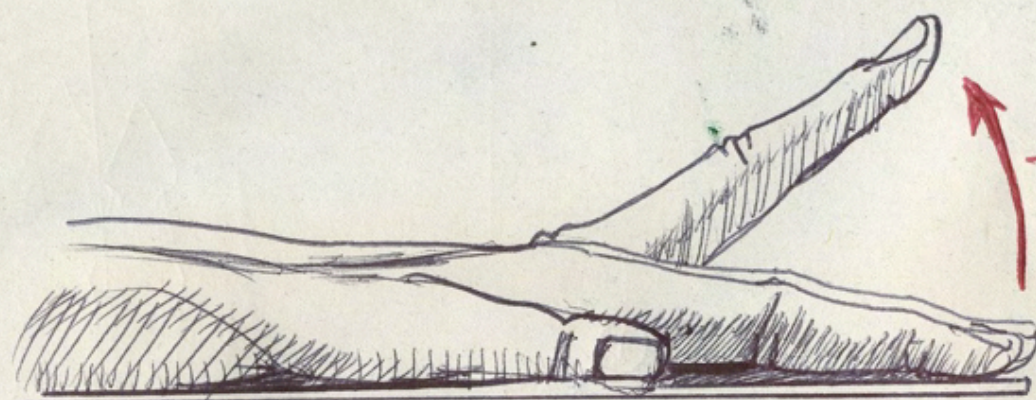
TOUS LES 2 SONT PLUS ULNAIRES QUE L'E.D.C

TENDONS EXTENSEURS (2) (APPAREIL EXTENSEUR)

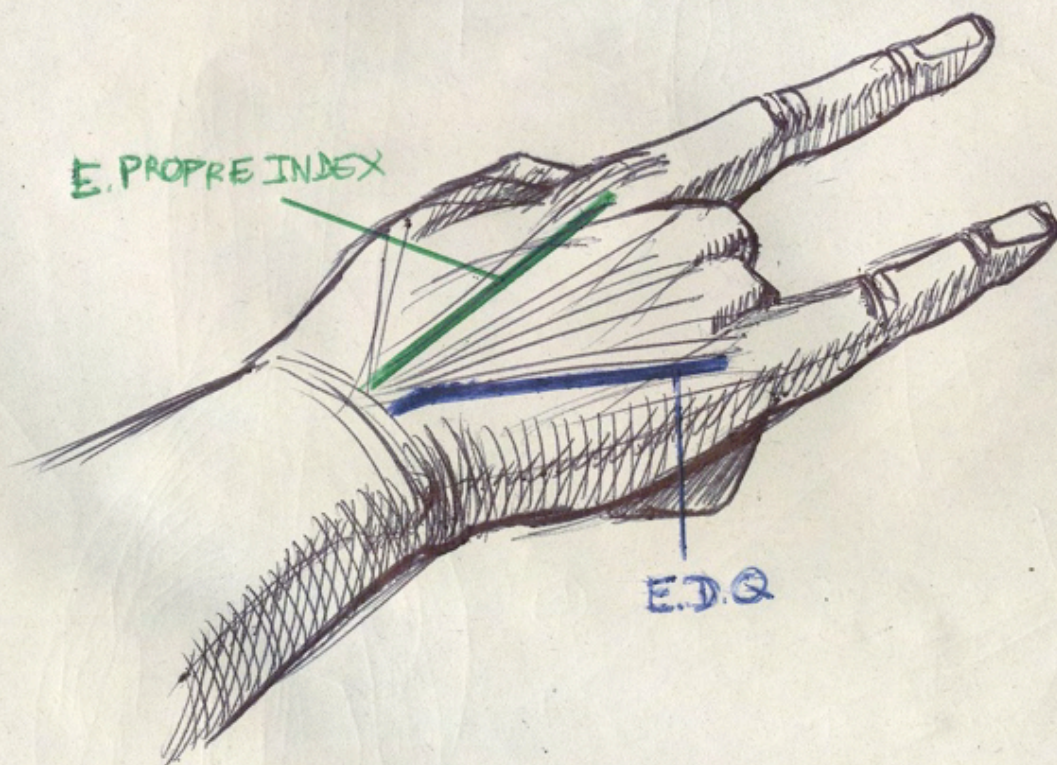
ARCHITECTURE DE L'APPAREIL EXTENSEUR



TENDONS EXTENSEURS (3)

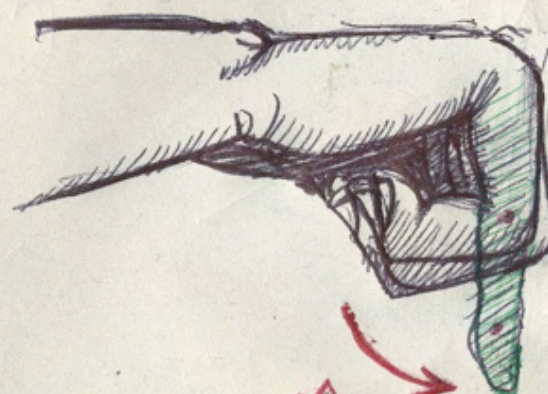


TESTING DOIT ÊTRE
FAIT AVEC LA
"MAIN A PLOT"



E. PROPRE INDEX

EDQ



L'EXTENSION DES I.P.
LORSQUE LES M.P SONT
FLECHIES NE CORRESPONDENT
PAS A L'ACTION DES EXTENSEURS
MAIS DES MUSCLES INTRINSEQUES

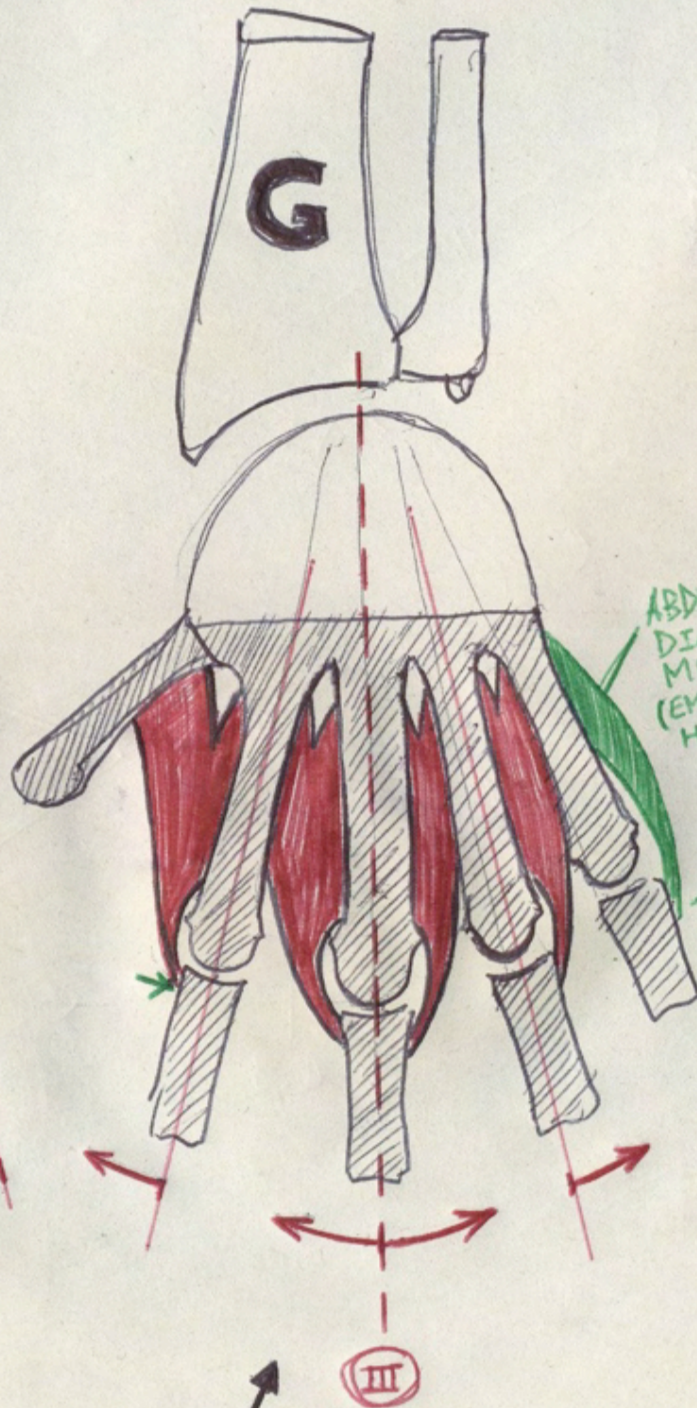
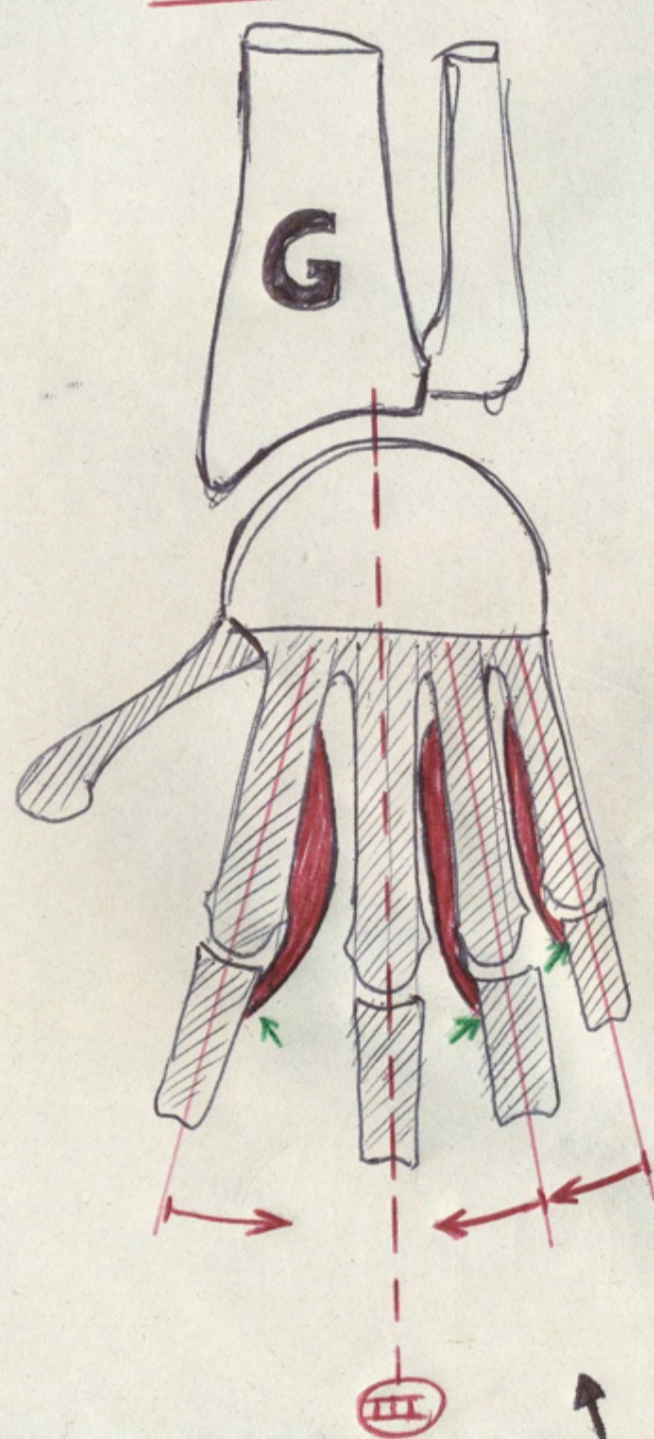
LES MUSCLES INTRINSEQUES (1)

DANS LE PLAN FRONTAL

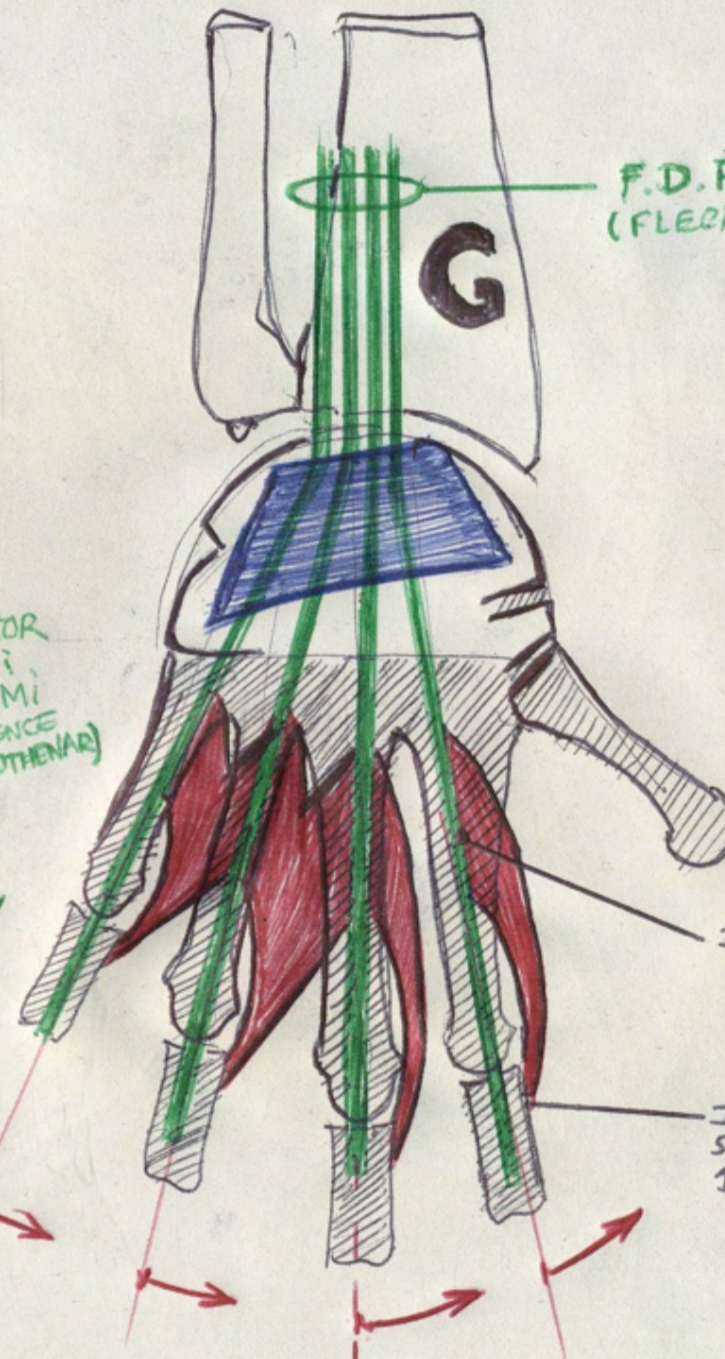
M. INTEROSSEUX PALMAIRES

M. INTEROSSEUX DORSAUX

M. LOMBAIQUES



ABDUCTOR
DIGITI
MINIMI
(EMINENCE
HYPOTHENAR)



F.D.P.
(FLECHISSEURS PROFONDS)

INSERTION DU MUSCLE
SUR LE FLECHISSEUR
PROFOND

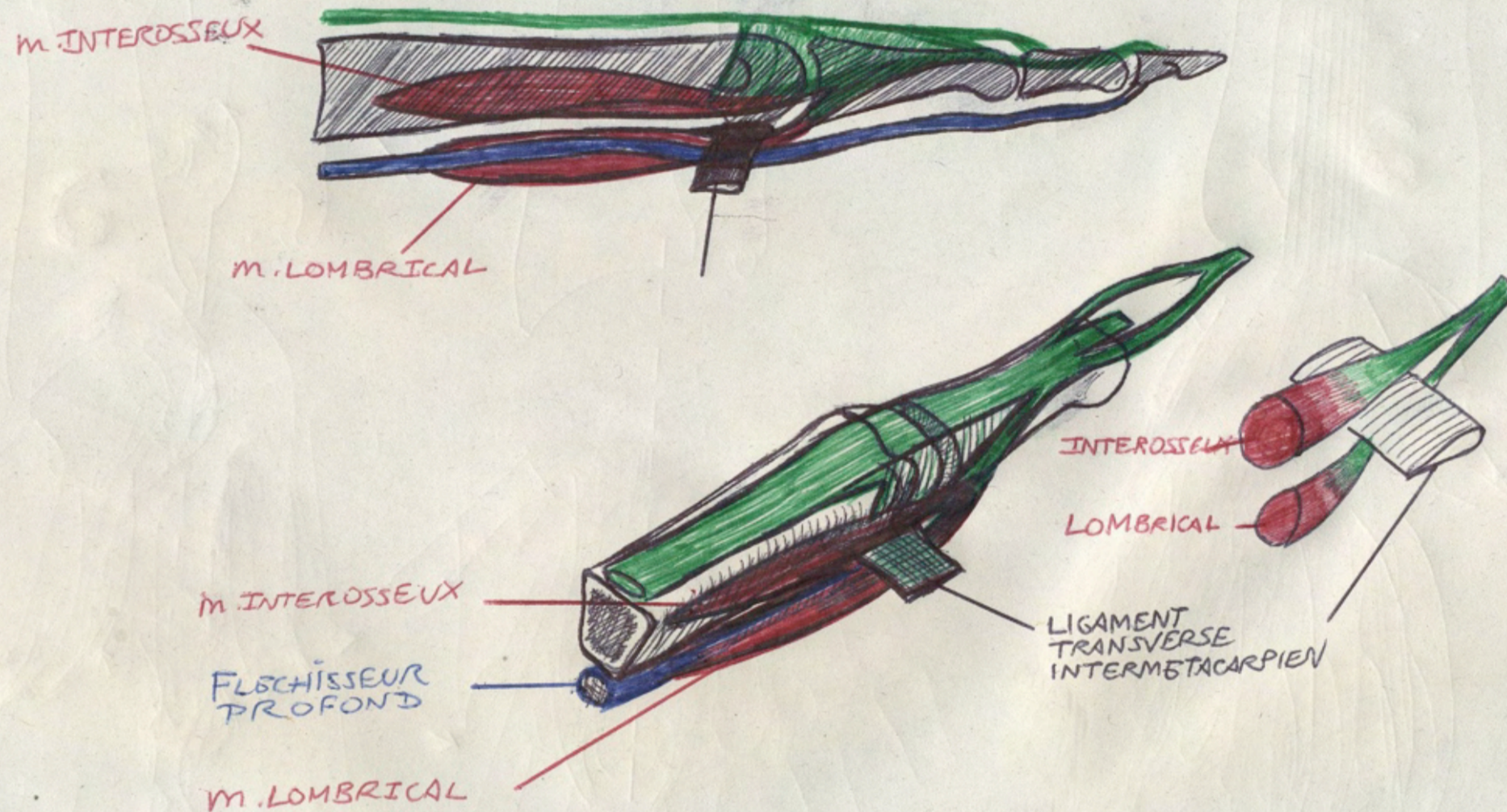
INSERTION DU MUSCLE
SUR L'OS VIA LA
DOSSIERE DES EXTENSEURS

VUES DORSALES

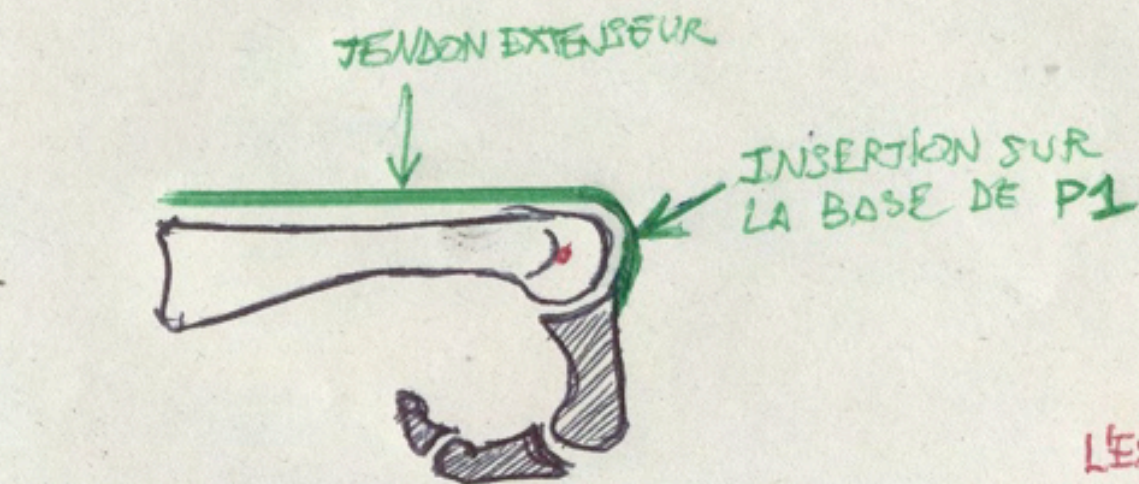
VUE PALMAIRE

LES MUSCLES INTRINSÈQUES (2)

DANS LE PLAN SAGITTAL

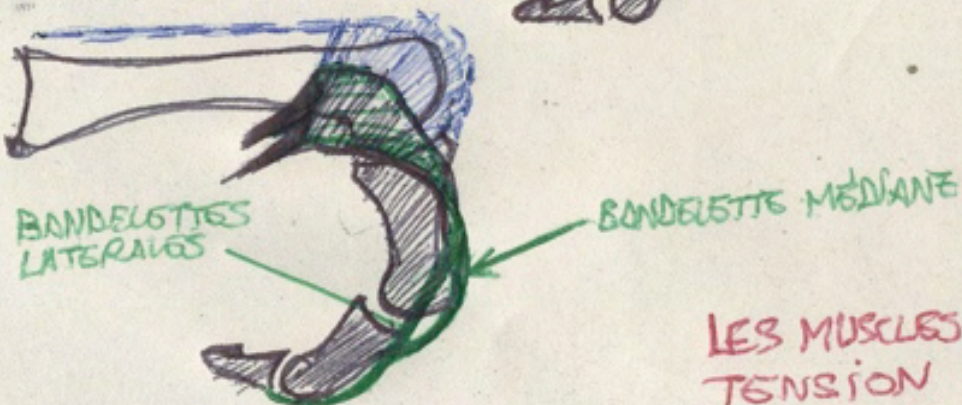


EXTENSION DOIGTS

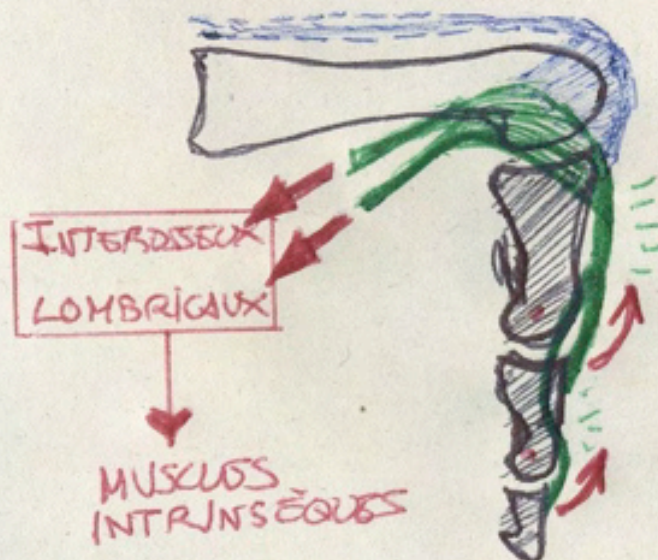


L'EXTENSEUR COMMUN (ainsi que les propres du II et du V) FORMENT L'APPAREIL EXTENSEUR EXTRINSÈQUE.

↳ SA FONCTION EST ESSENTIELLEMENT L'EXTENSION DES M.P

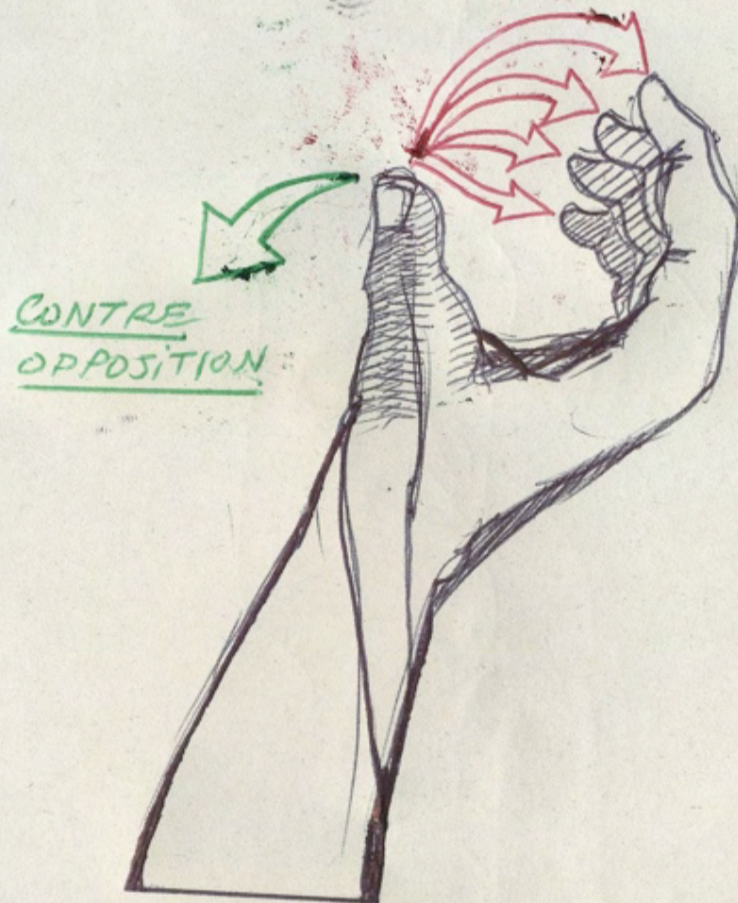


LES MUSCLES INTRINSÈQUES METTENT EN TENSION LA BANDELETTE MÉDIANE (insertion au P2) ET LES BANDELETTES LATÉRALES QUI ÉTENDENT LES I.P



LE POUCE (1)

PINCES POLLICI-DIGITALES : OPPOSITION



PLAN DU POUCE

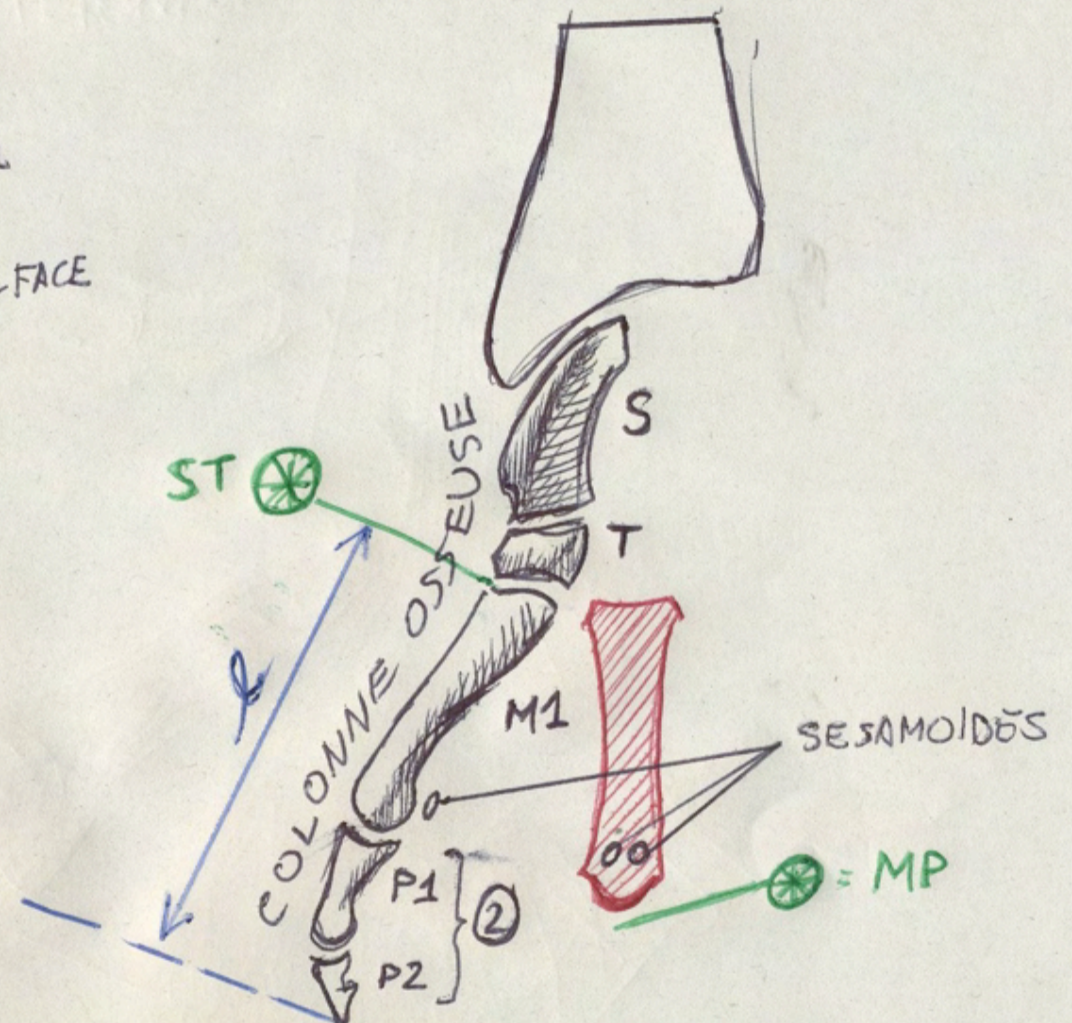


PROFIL

FACE



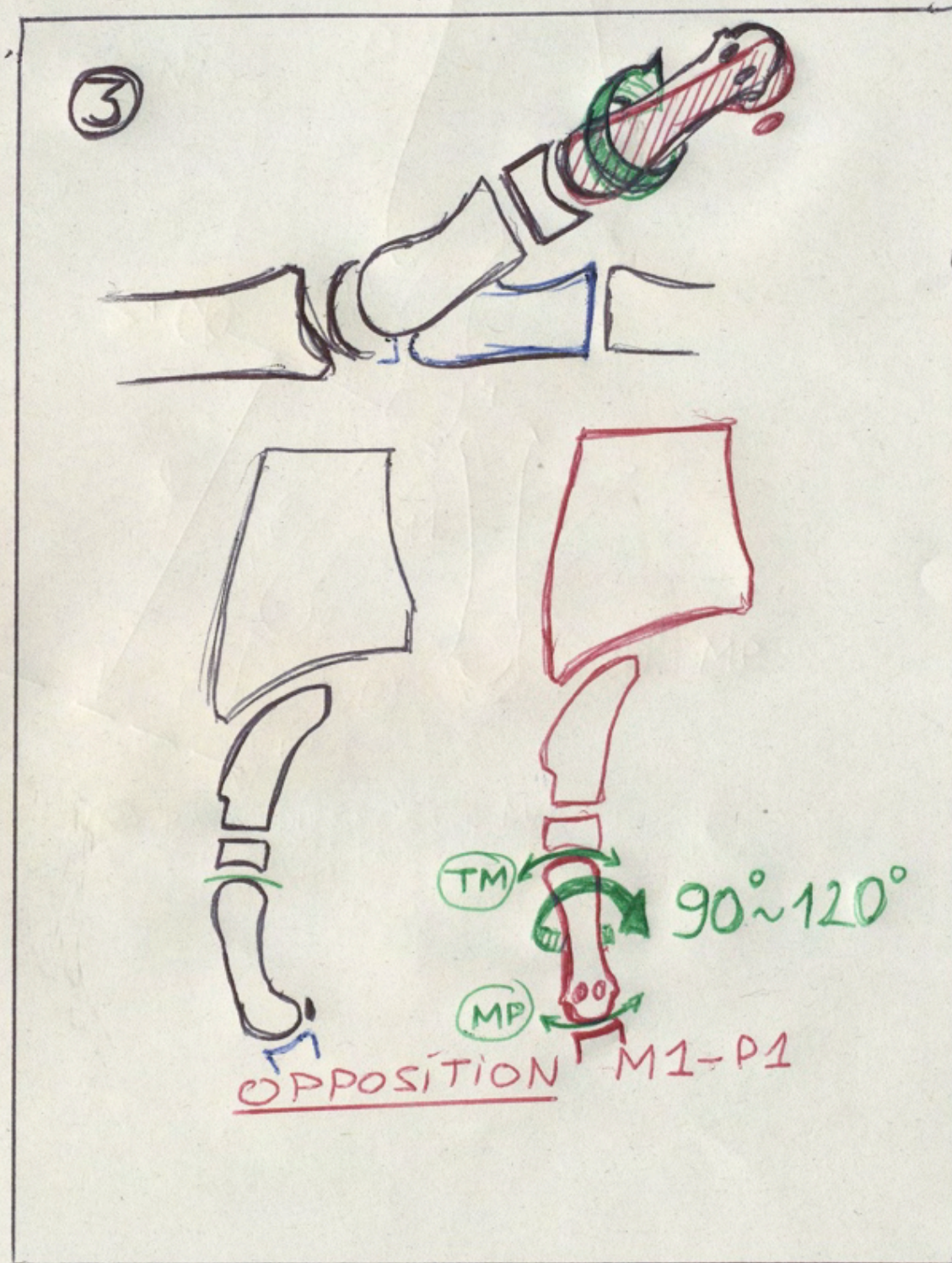
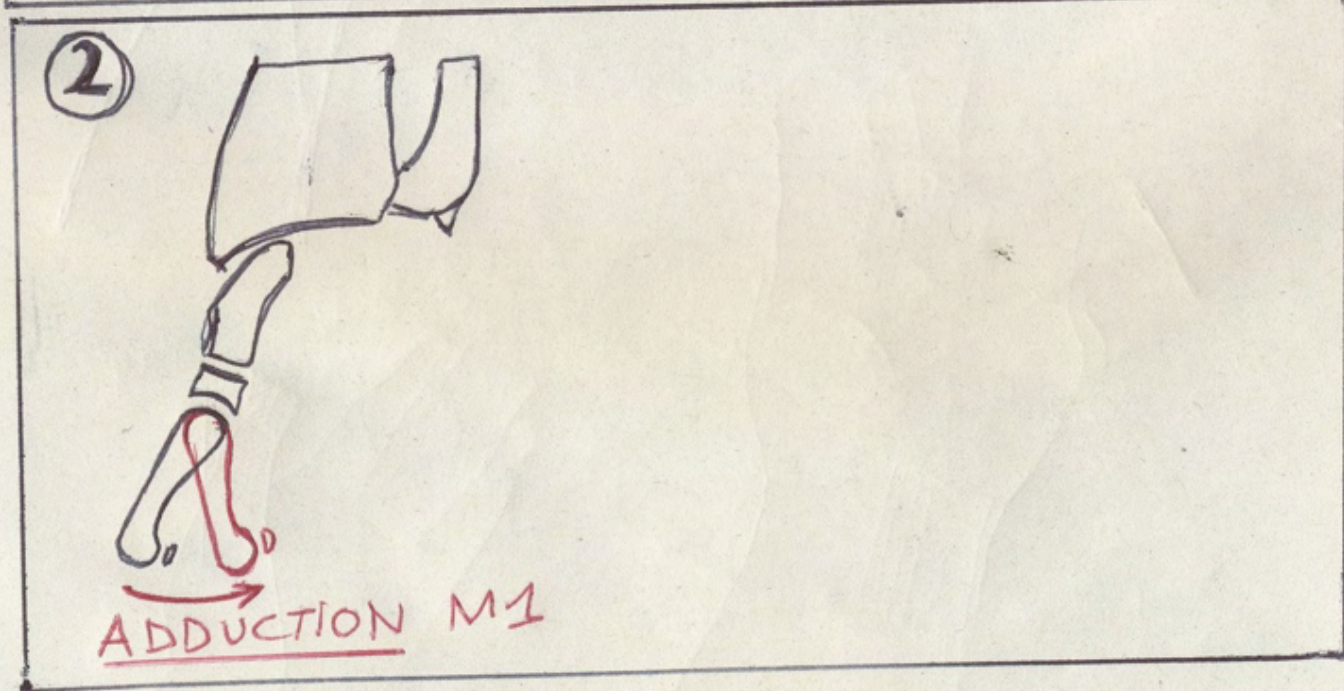
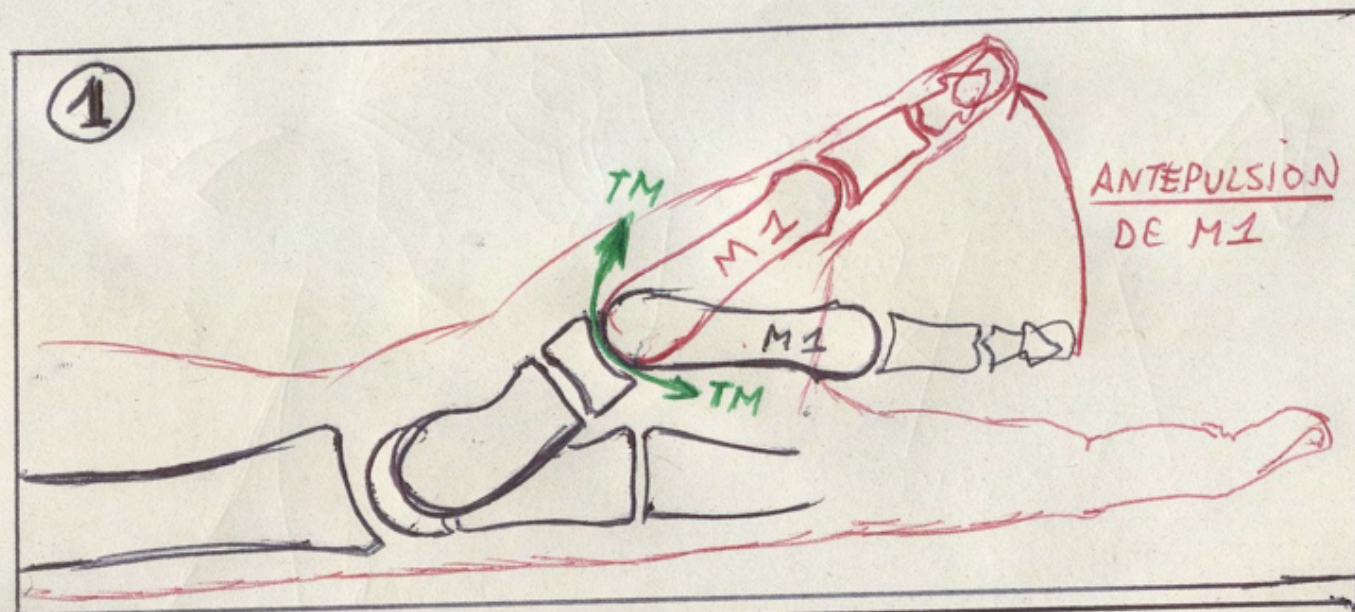
RETROPULSION



BASE DU SECTEUR MOBILE :
Plus PROXIMAL SUR LE POUCE que sur
les DOIGTS LONGS

LE POUCE (2)

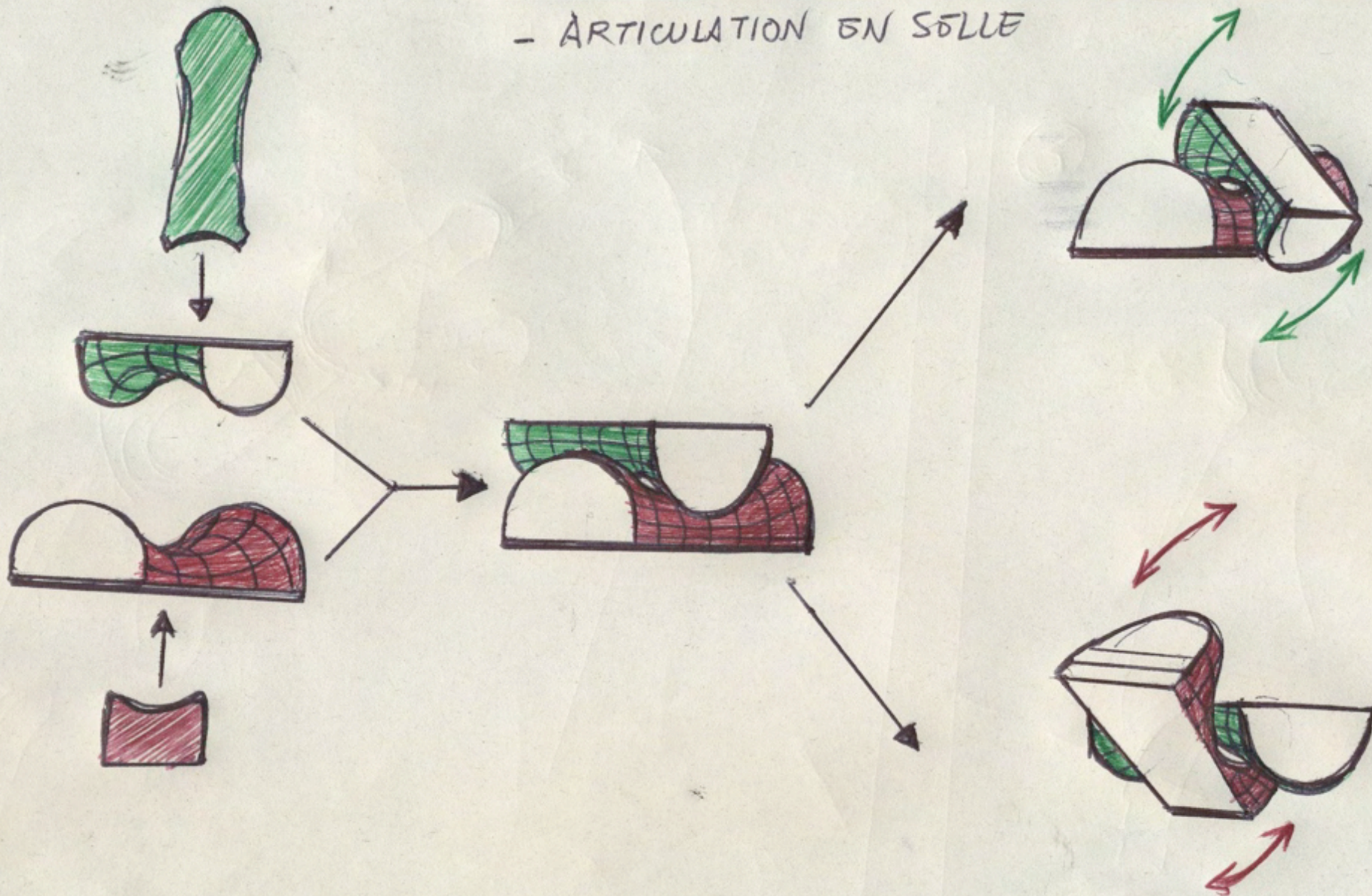
* OPPOSITION = FACULTÉ DE PORTER LA PULPE DU POUCE AU CONTACT DES PULPES DES 4 AUTRES DOIGTS → PINCE POLVICI-DIGITALE
 • POLLICISATION D'UN DOIGT LONG



LE POUCE (3)

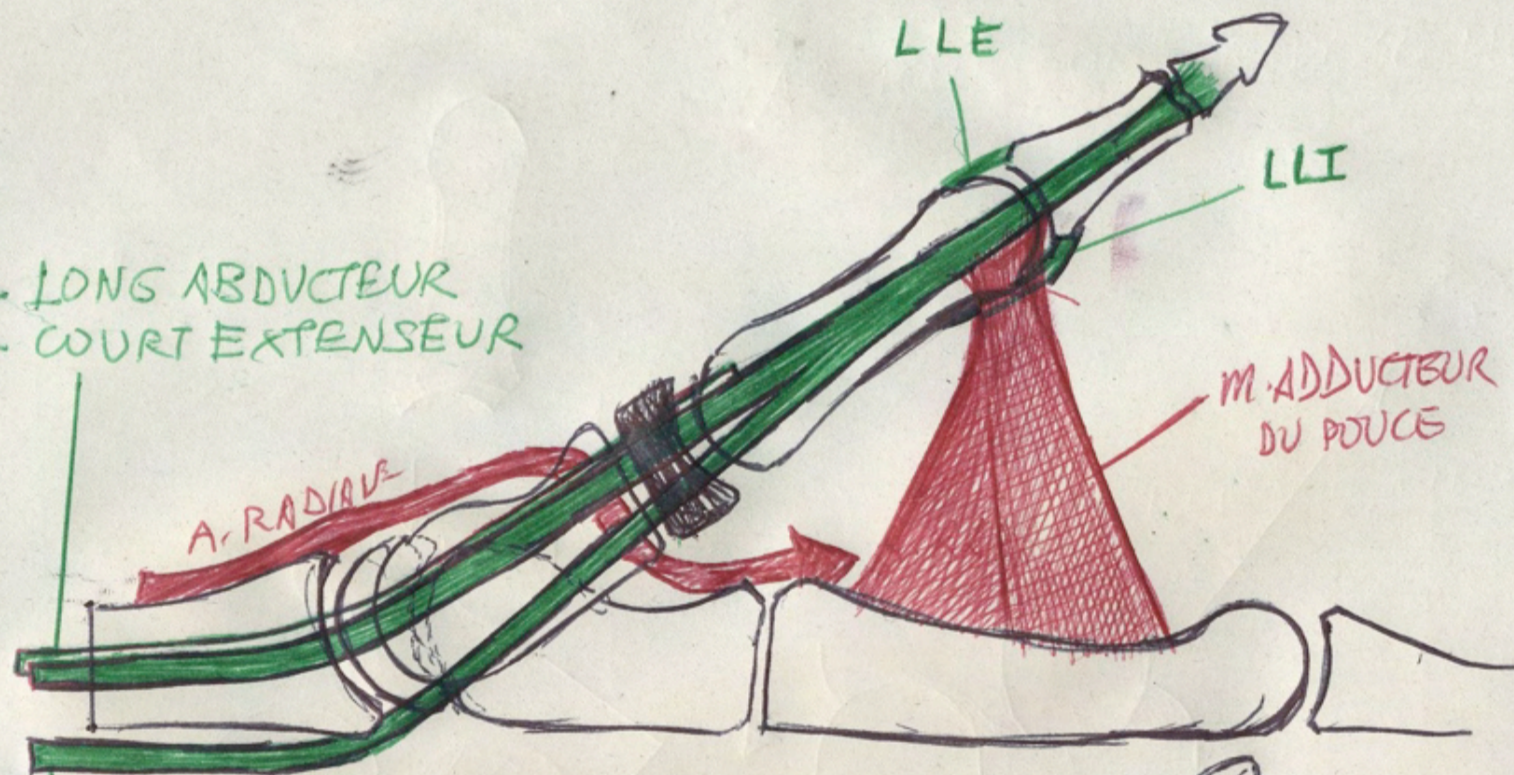
ARTICULATION TRAPEZO-METACARPIENNE (ATM)

- ARTICULATION EN SÛLE



LE POUCE (4)

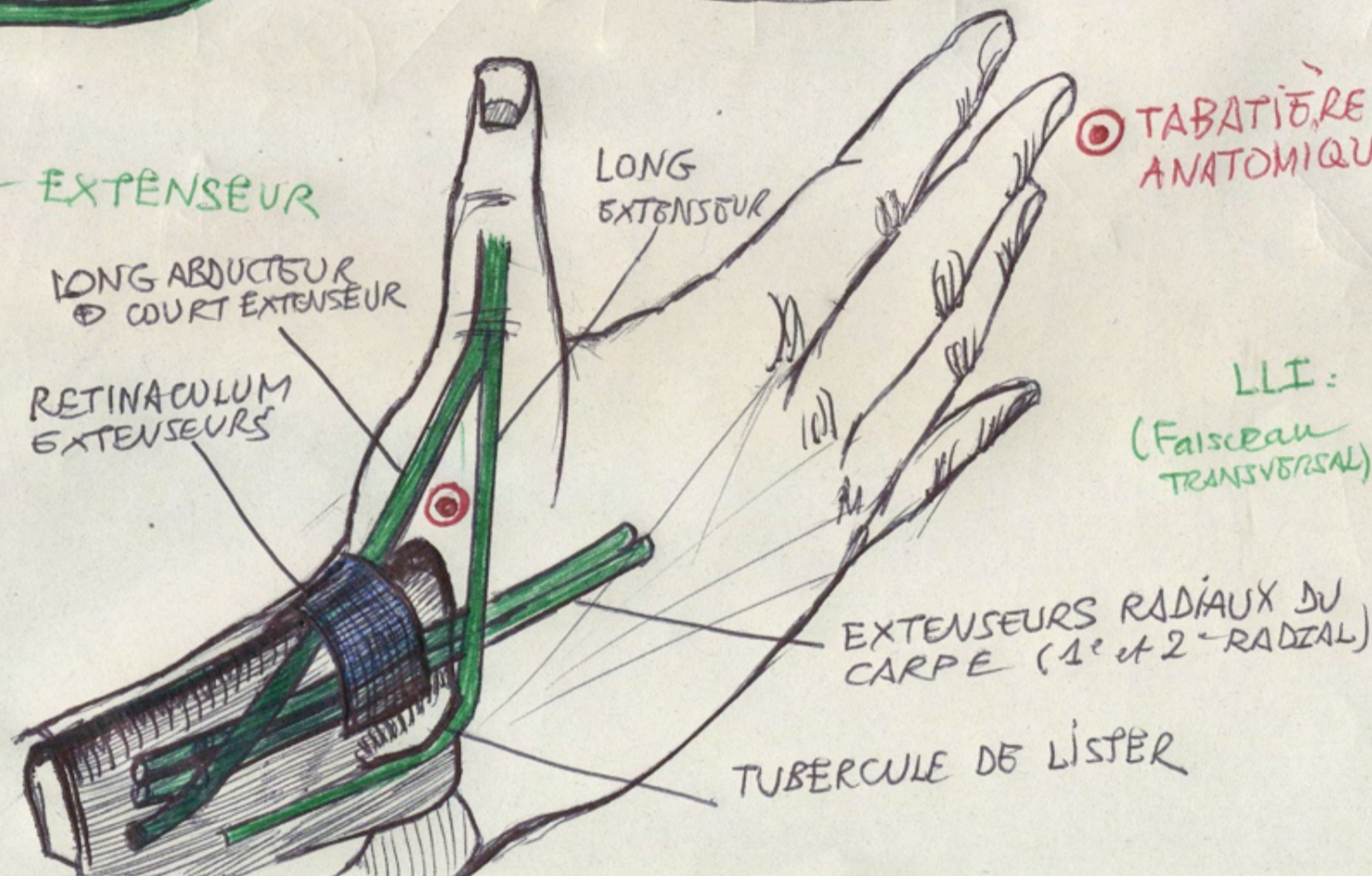
- LONG ABDUCTEUR
- COURT EXTENSEUR



LONG EXTENSEUR

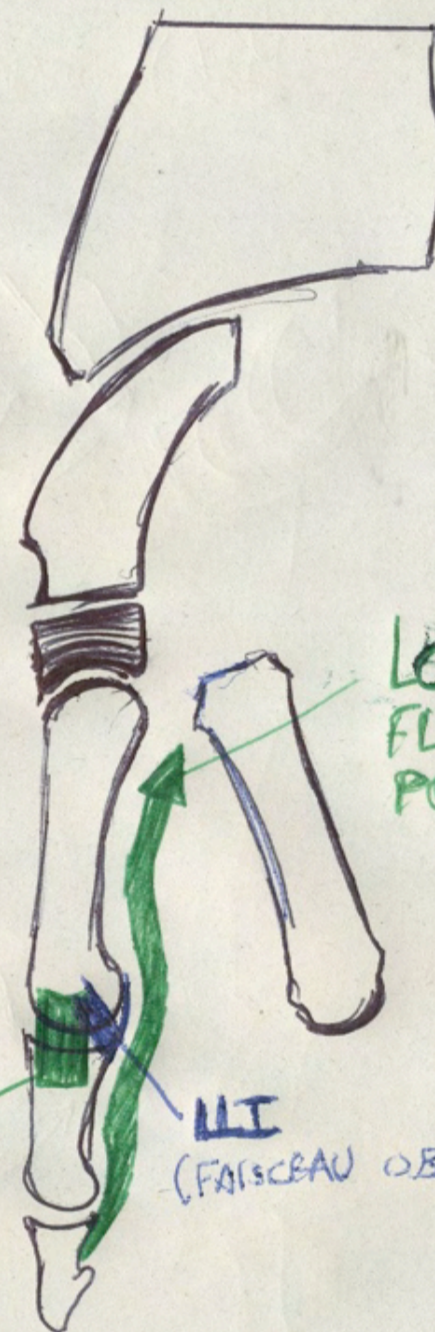
LONG ABDUCTEUR
COURT EXTENSEUR

RETINACULUM
EXTENSEURS

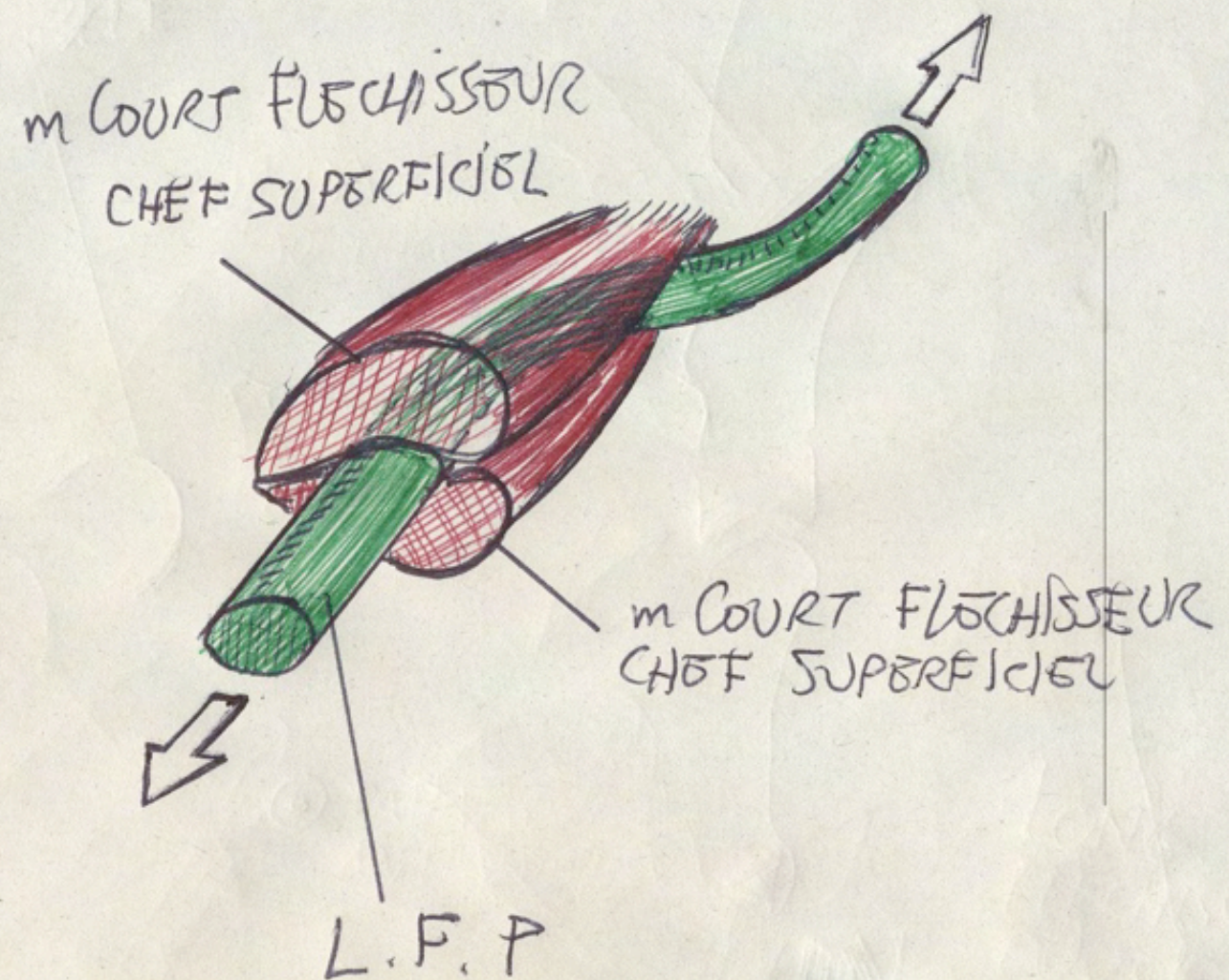
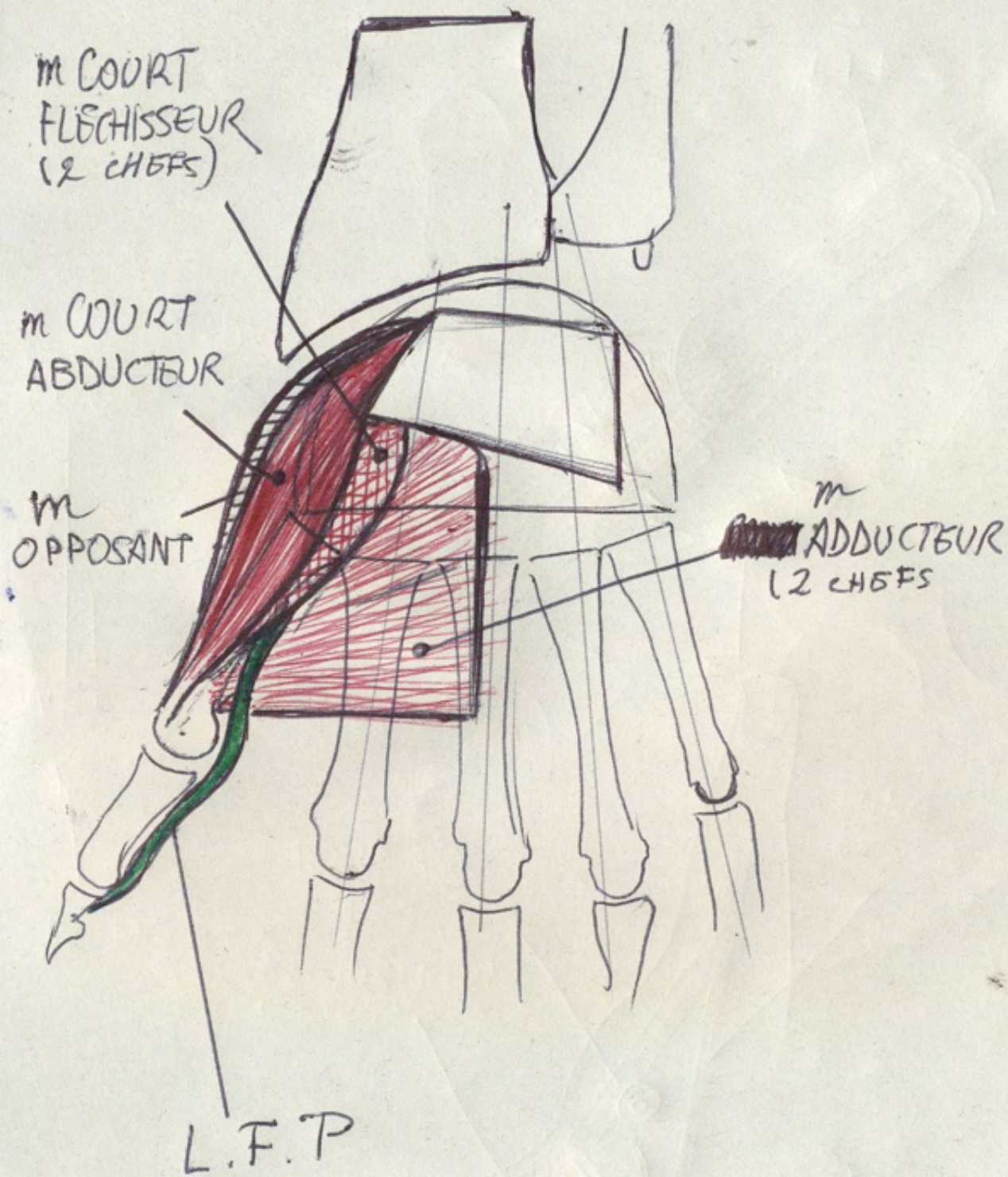


LONG
FLECHISSEUR
POUCE

LLI
(Faisceau OBLIQUE)

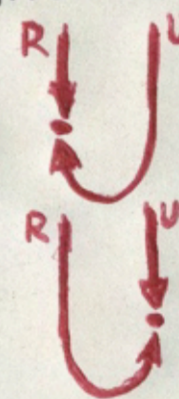
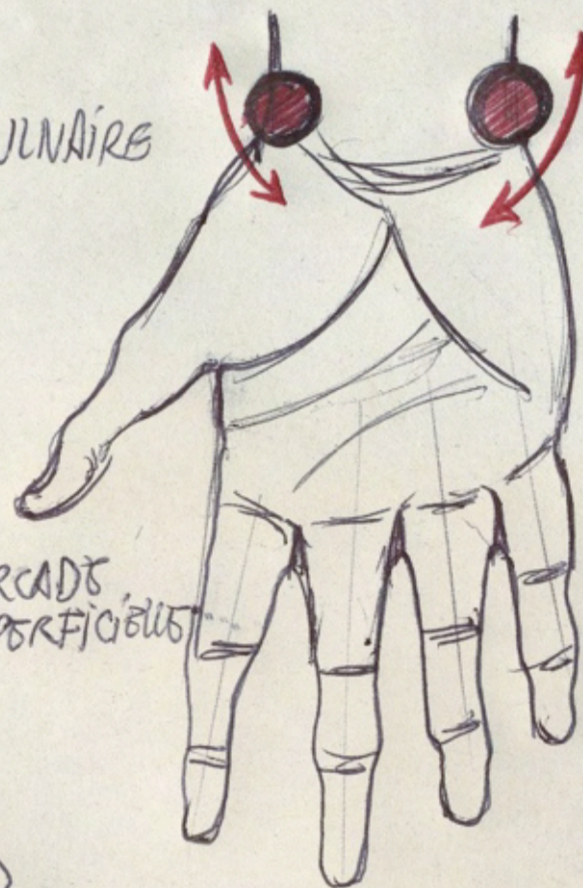
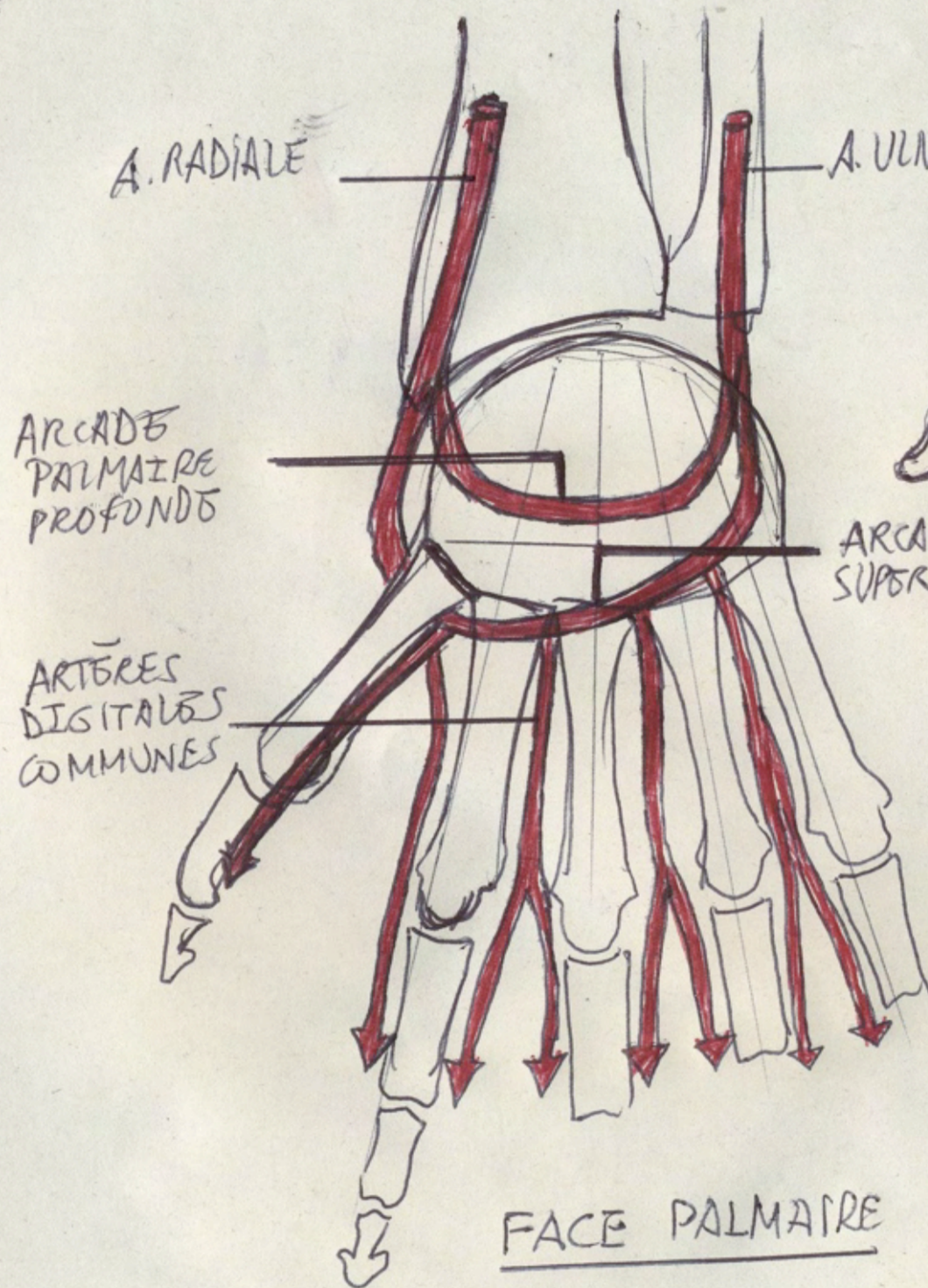


LES MUSCLES de l'EMINENCE THÉNAR

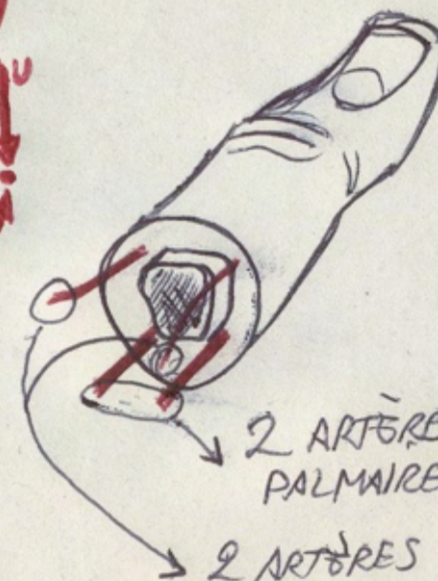


ARTÈRES (1)

• VOIES D'ABORD, LAMBEAUX, REPLANTATION

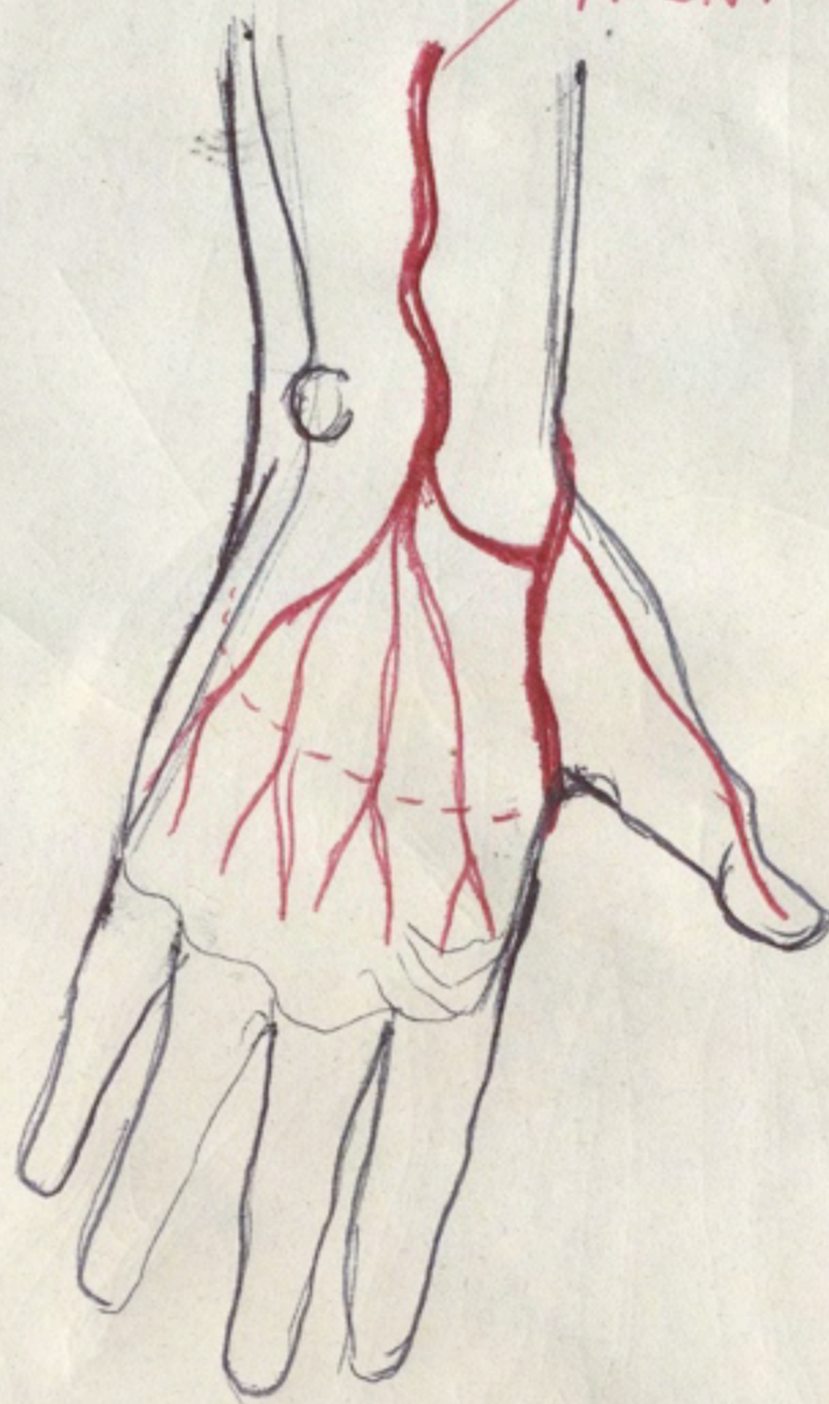


POUCE

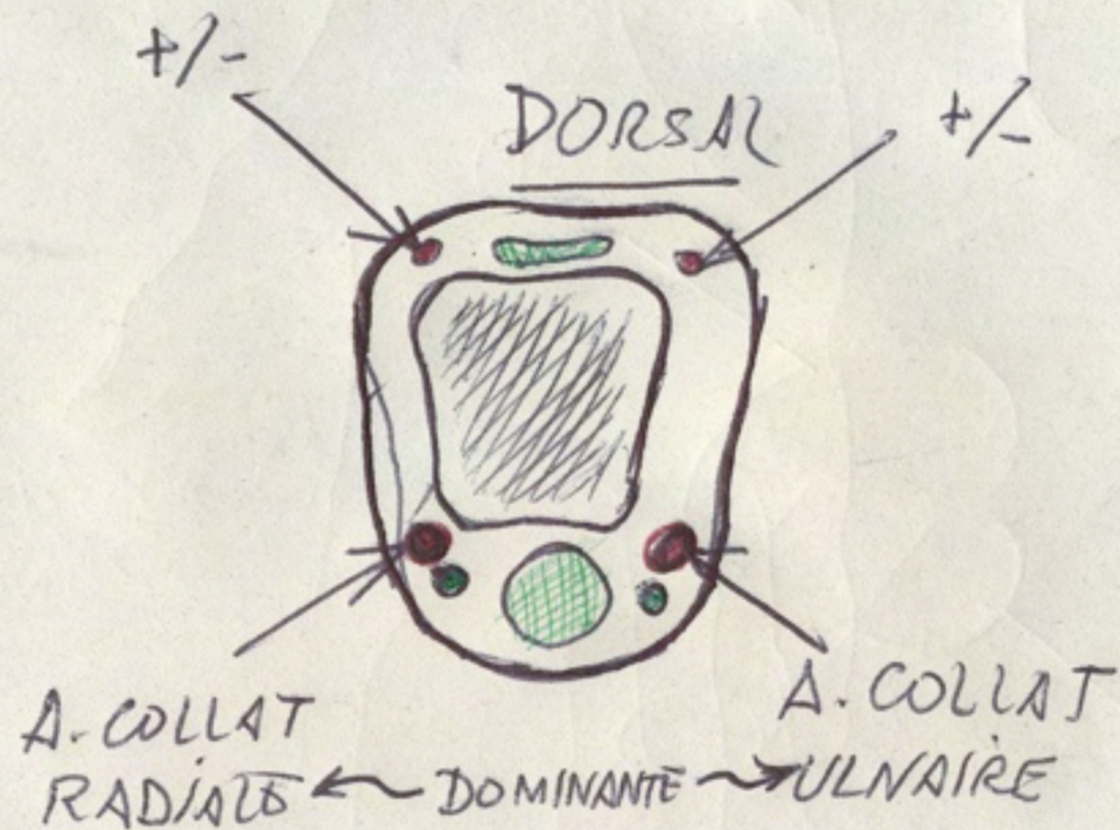


ARTÈRES (2)

A. INTEROSSEUSE POST (B. A. ULNAIRE)



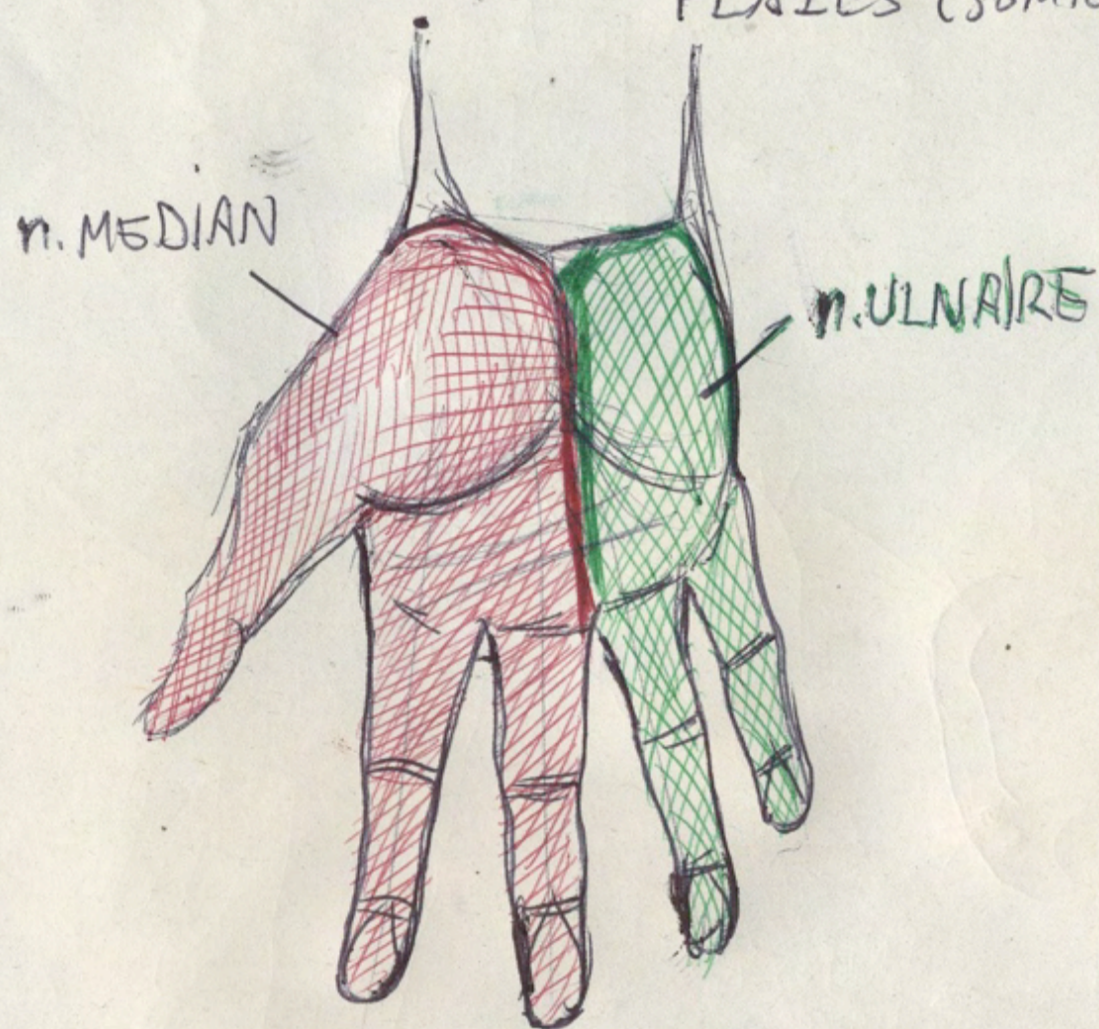
FACE DORSALE



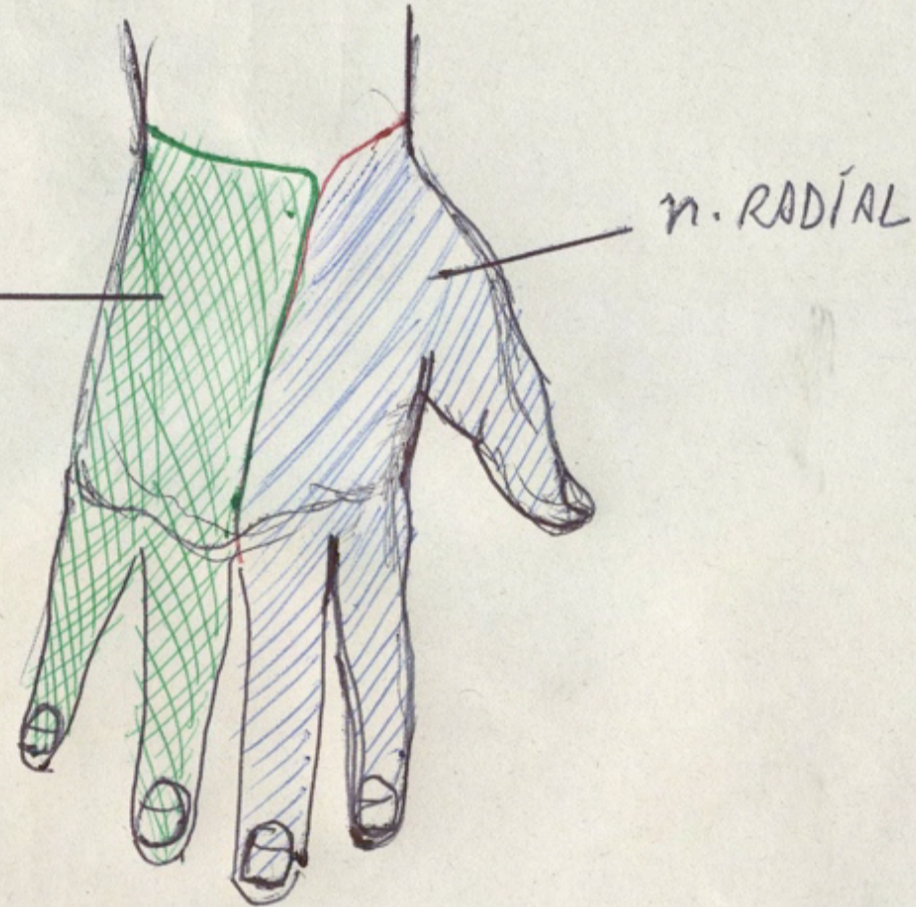
PALMAIRE

NERFS (1)

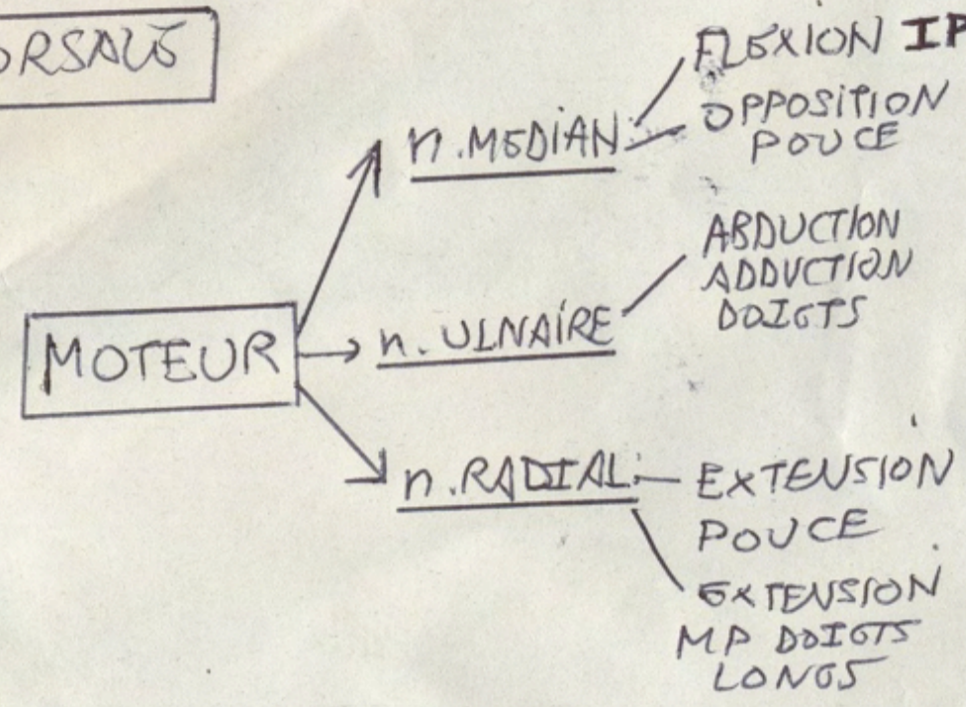
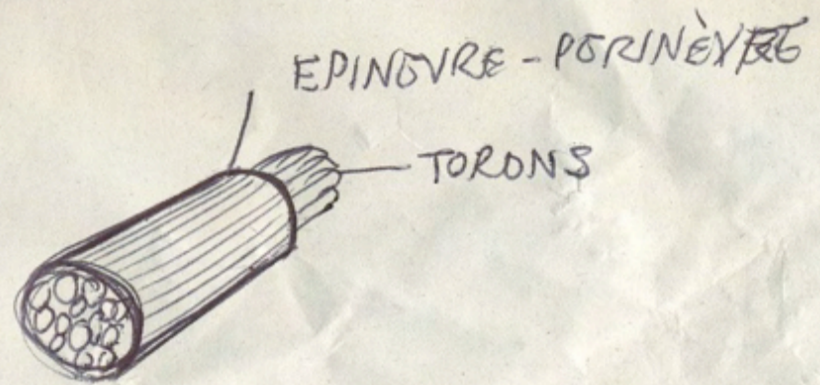
PLAIES (SEMIO), BLOCS SENSITIFS



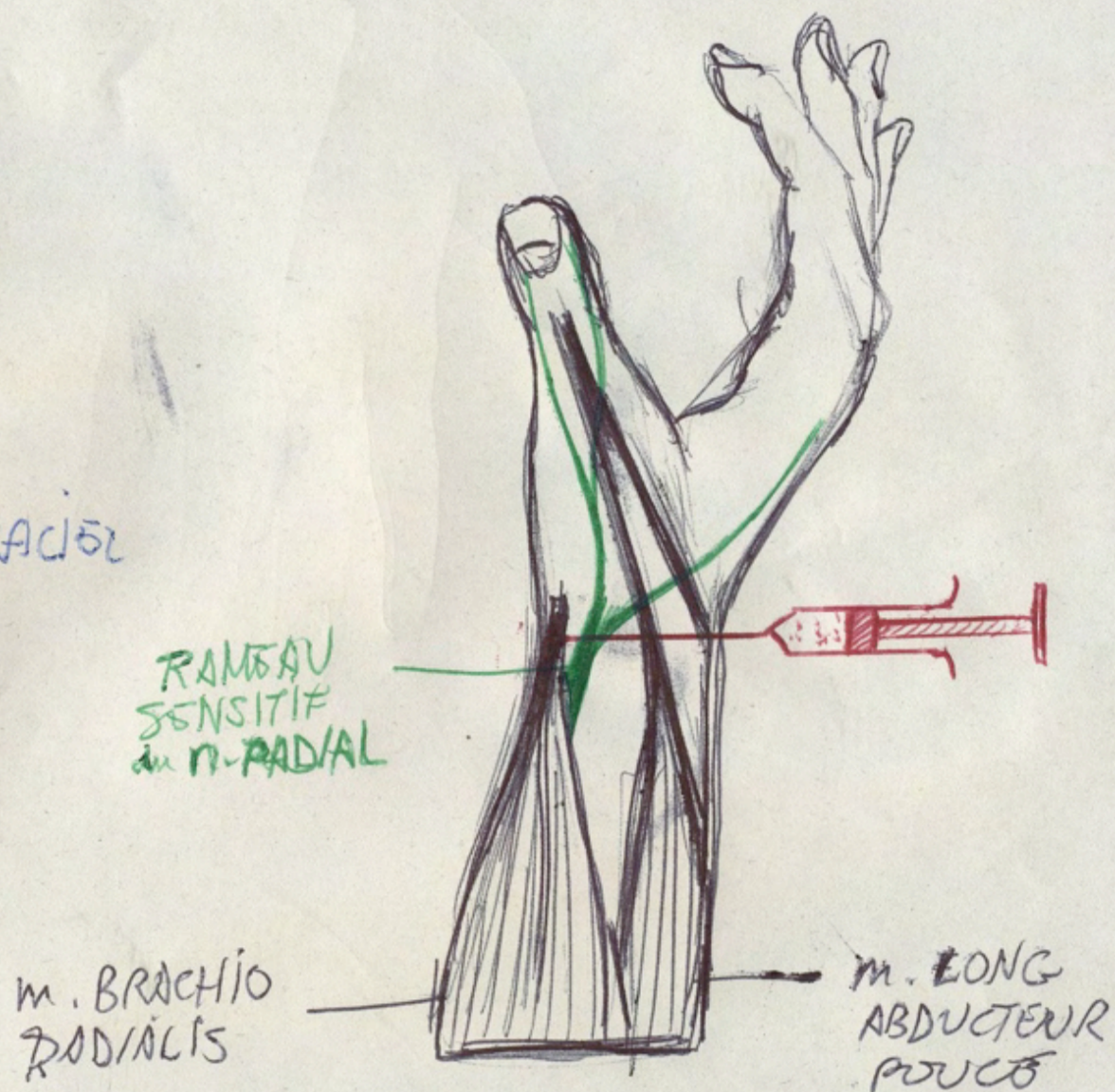
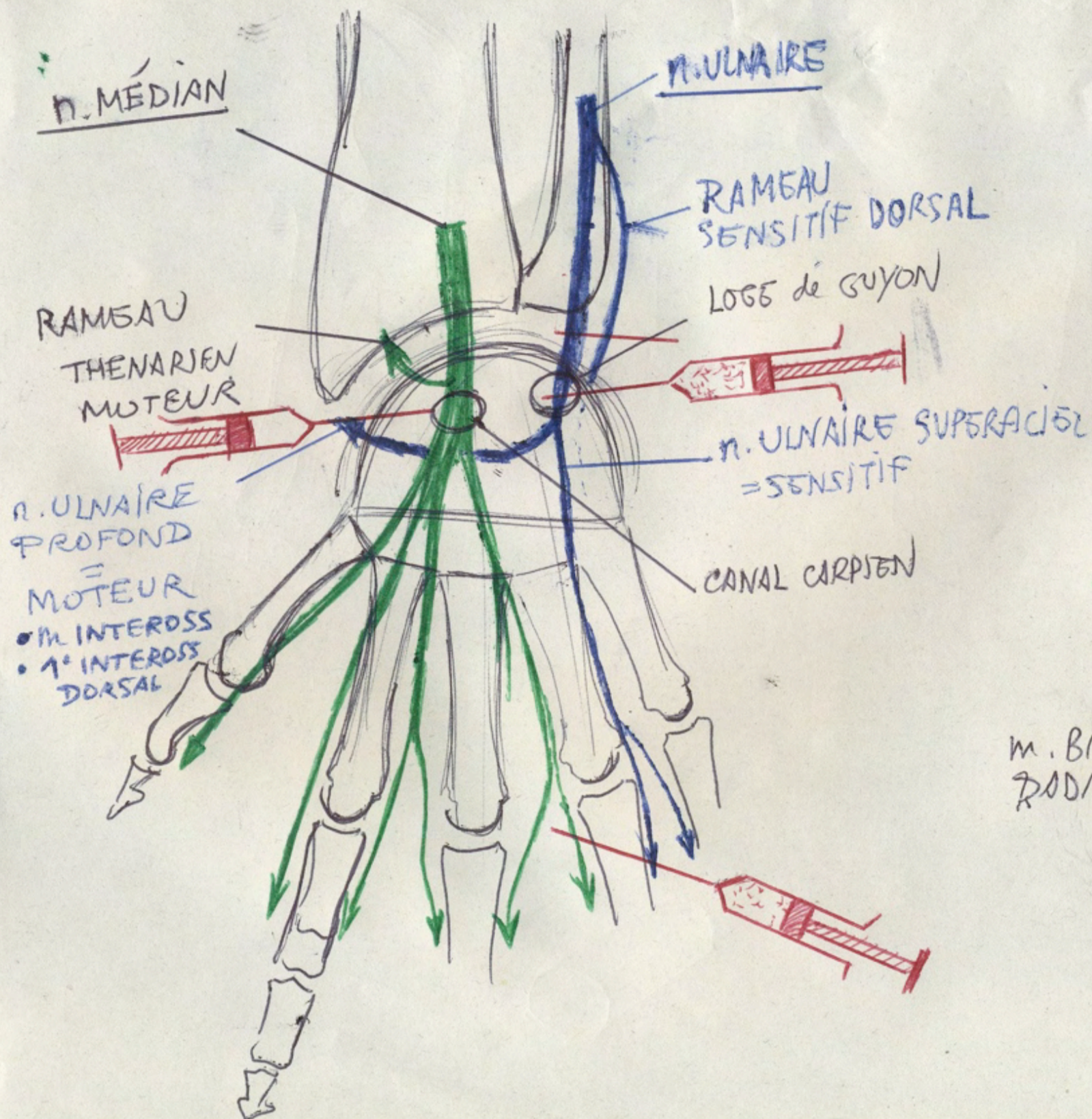
FACE PALMAIRE



FACE DORSALE



NERFS (2)

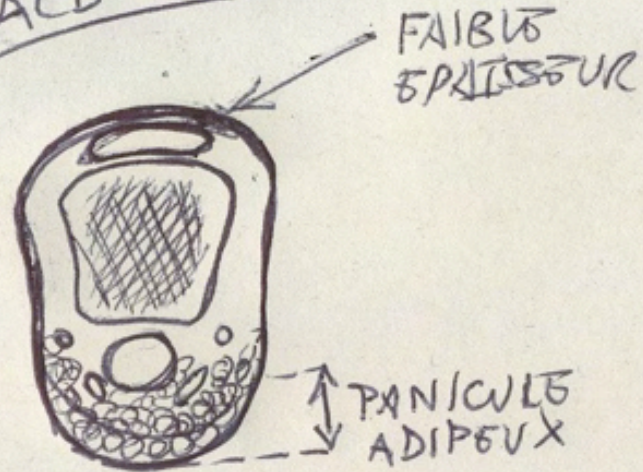


LES PHANÈRES

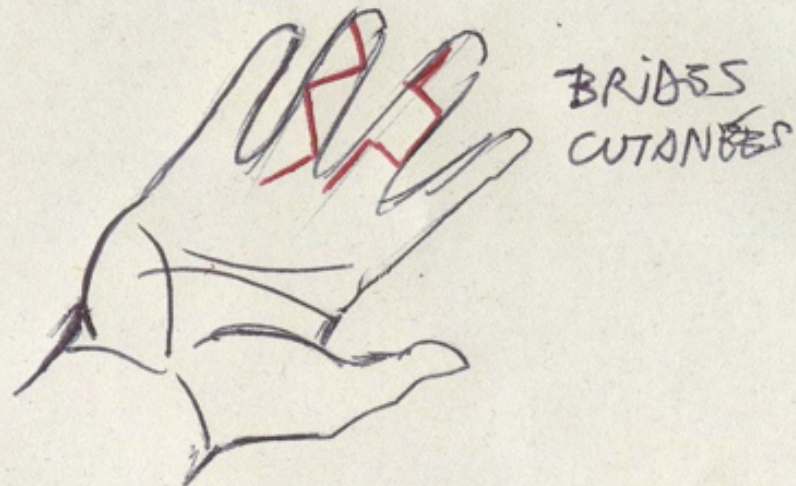
PEAU

• COUVERTURE, CICATRISATION, TUMEURS

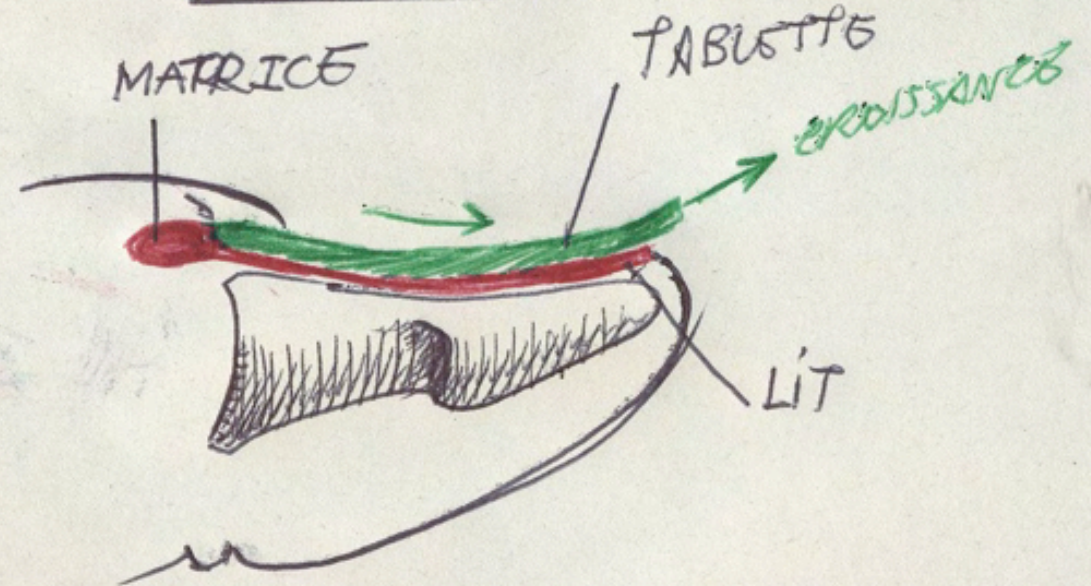
• FACE DORSALE = COSMÉTIQUE



• FACE PALMAIRE = PREHENSION
- GLABRE



ONGLE



POILS

• FACE DORSALE UNIQUEMENT
• FURONCLES

FIN

Merci.