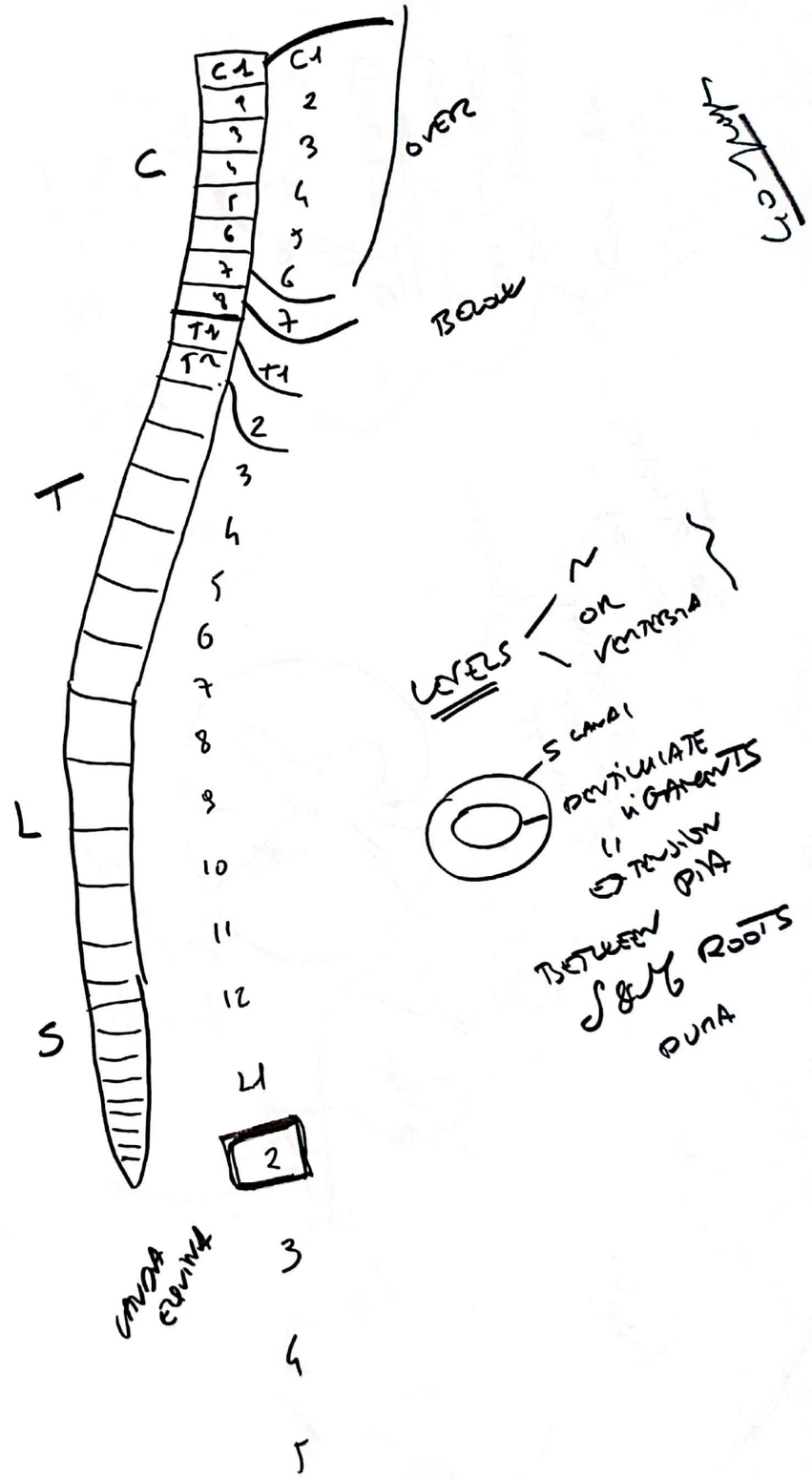
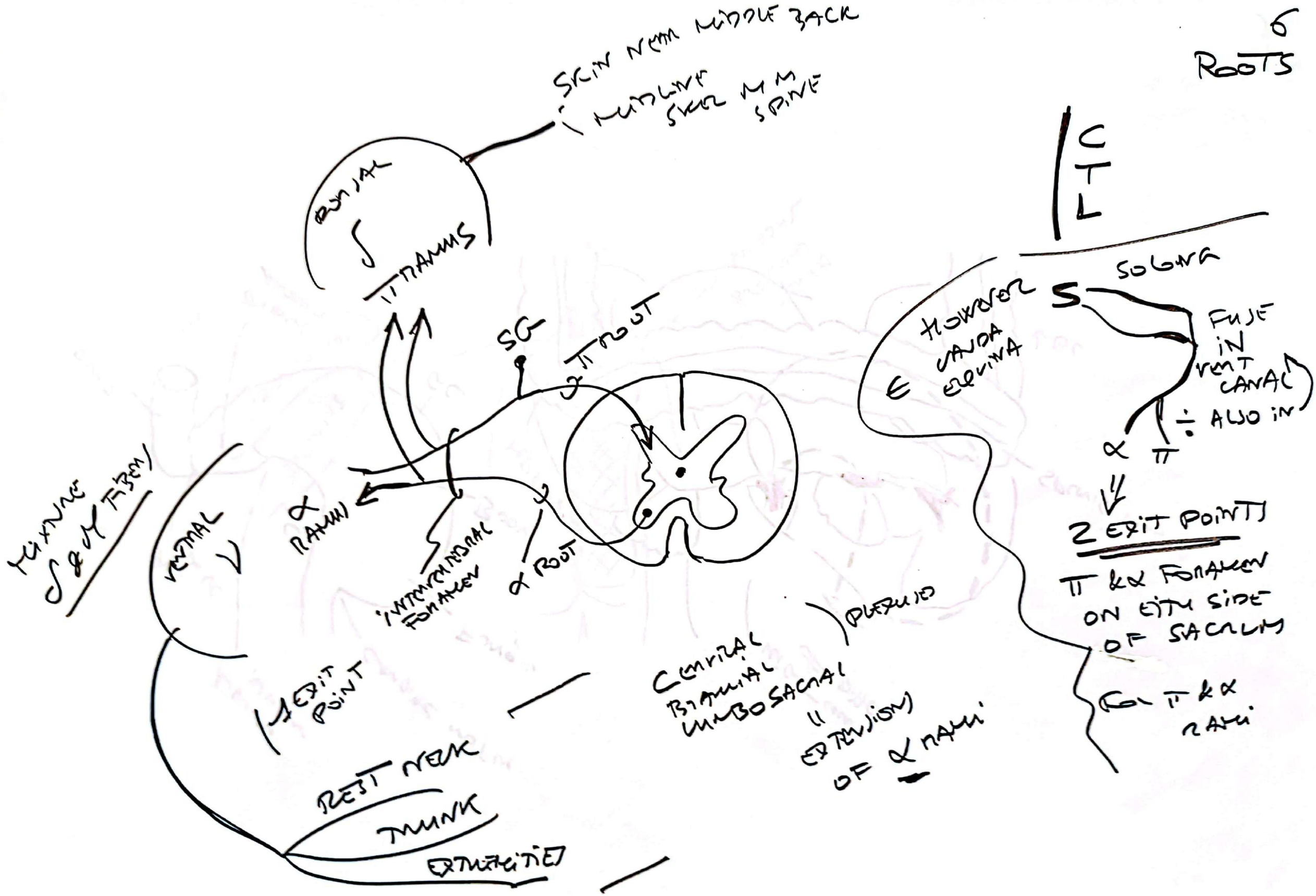
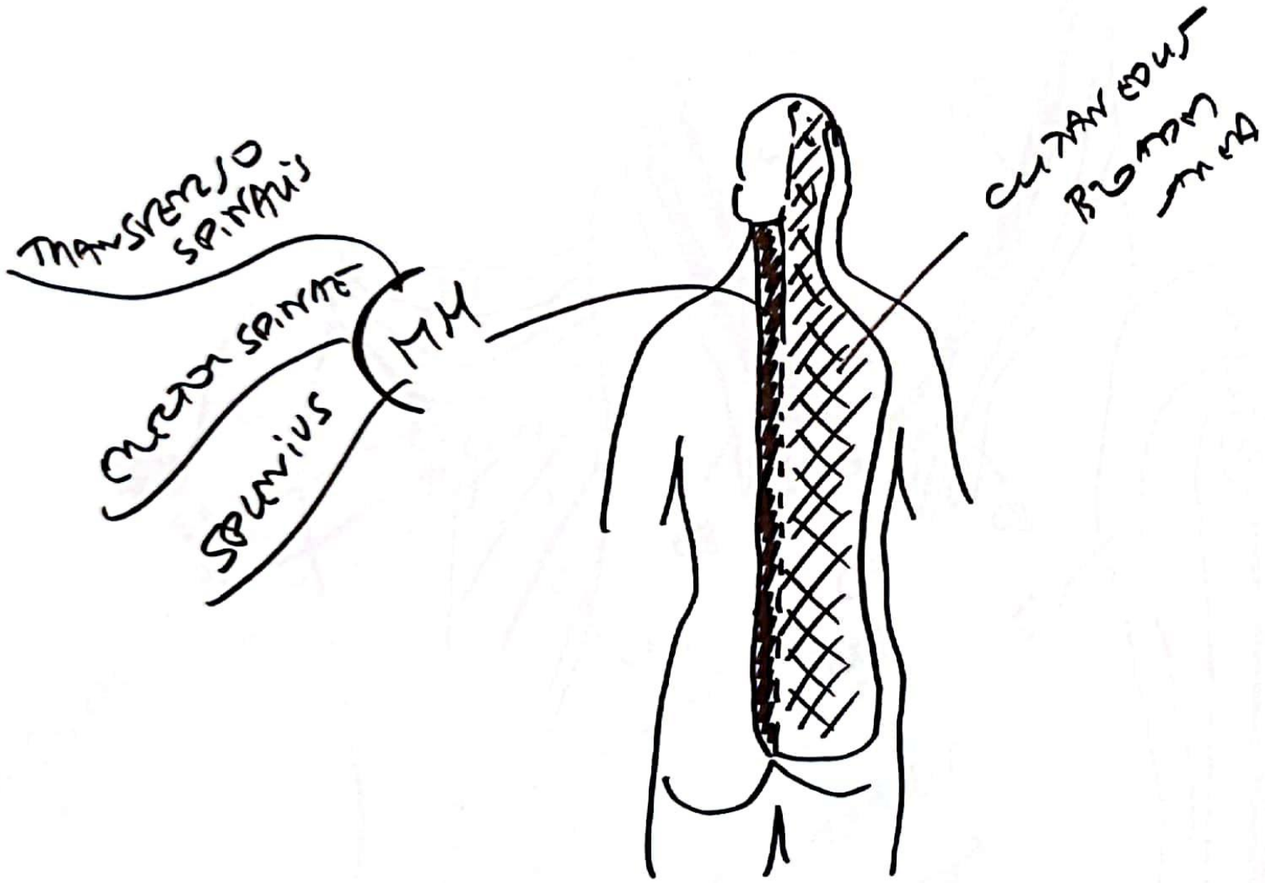

C
T
L
S
C1
OVER
BODY
T1
2
3
4
5
6
7
8
9
10
11
12
L1
2
CAUDA EQUINA
3
4
5
LEVELS
OR VERTEBRA
SCANDI
DENTICULATE LIGAMENTS
TRANSVERSE PIA
BETWEEN DORSAL ROOTS
DURA

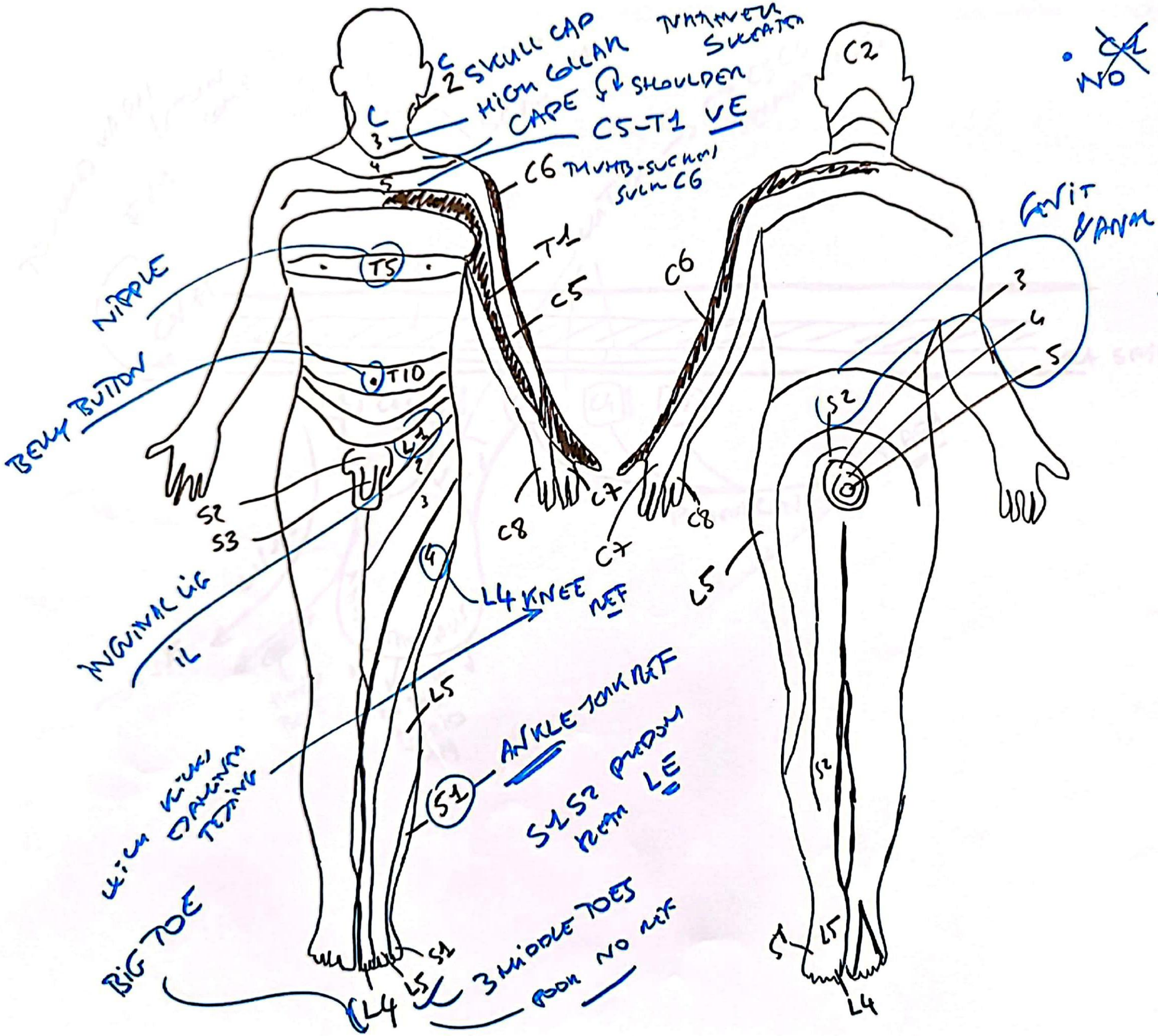
ROOTS


SKIN NEAR MIDDLE BACK
MIDLINE OVER M M SPINE
DURAL SAC
TERMINUS
SG
γ ROOT
α RAMUS
INTERVERTEBRAL FORAMEN
α ROOT
VENTRAL
EXIT POINT
REST NECK
TRUNK
EXTREMITIES
CENTRAL BRACHIAL LUMBOSACRAL
PLEXUSES
EXTENSIONS OF α RAMI
HOWEVER CAUDA EQUINA
SOLUTA
FUSE IN VERT CANAL
ALSO IN
α π
2 EXIT POINTS
π & α FORAMEN ON EITH SIDE OF SACRUM
FOR π & α RAMI
C
T
L

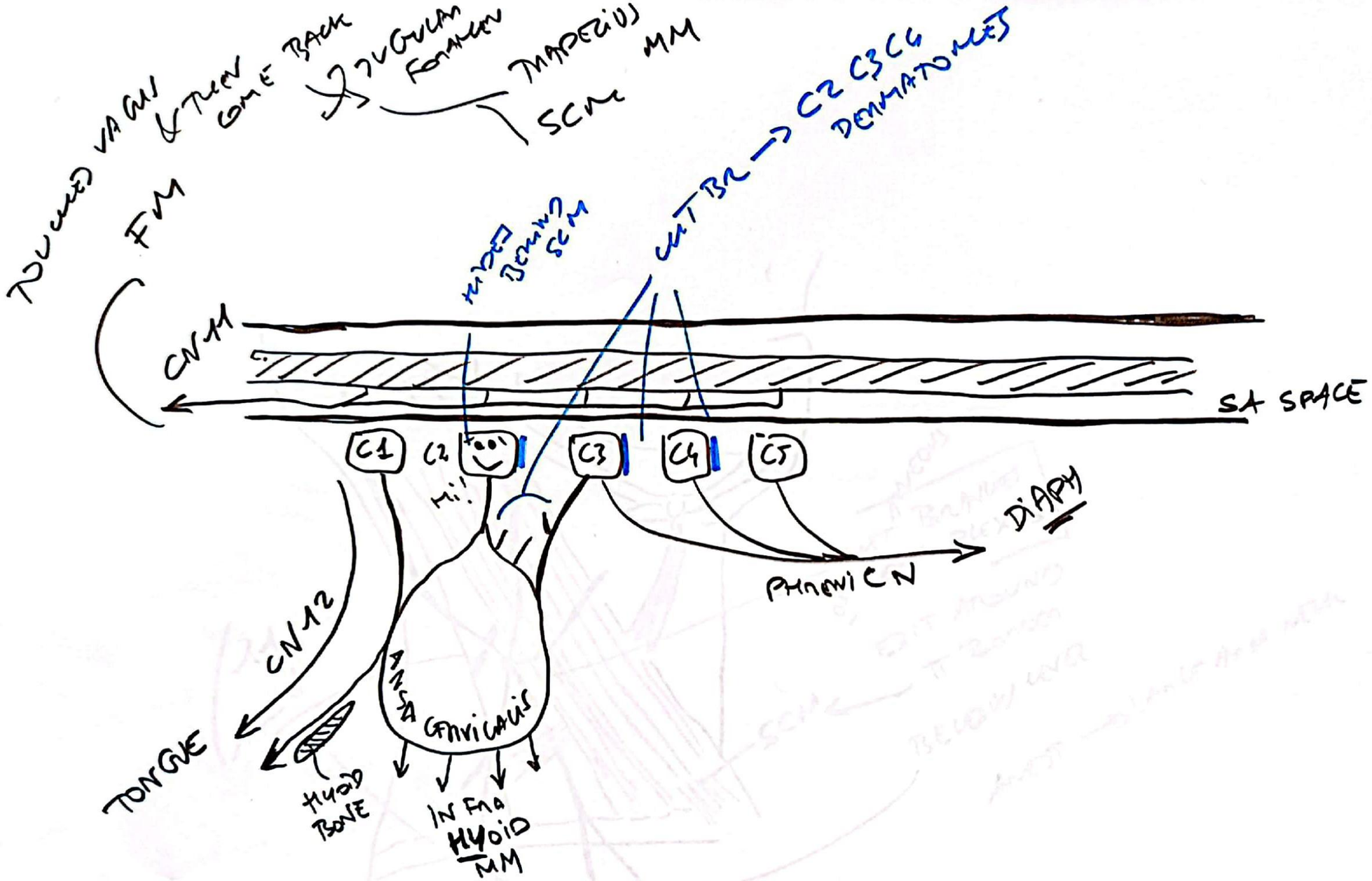
7

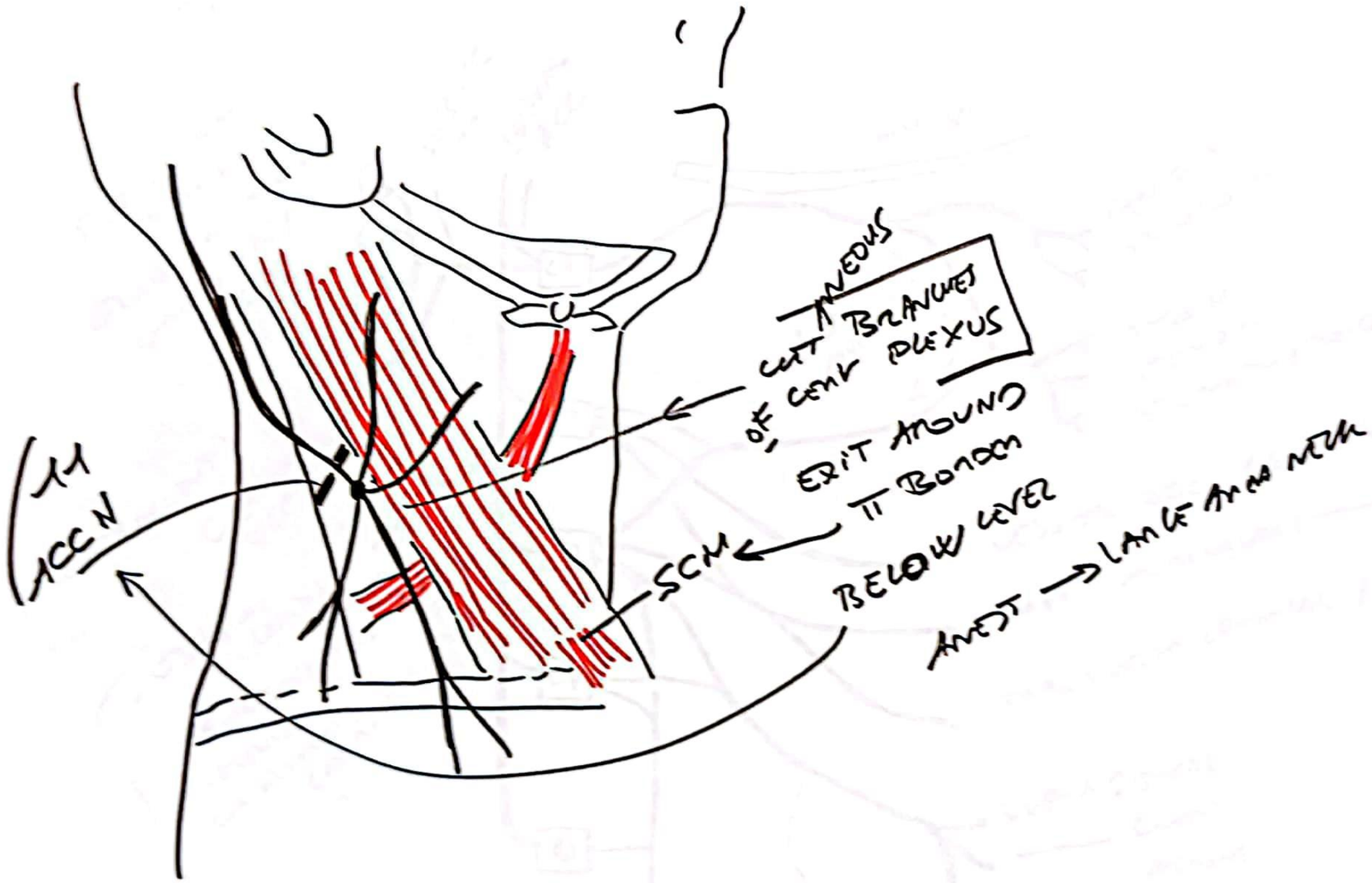
DISTRIBUZ
TRAMI

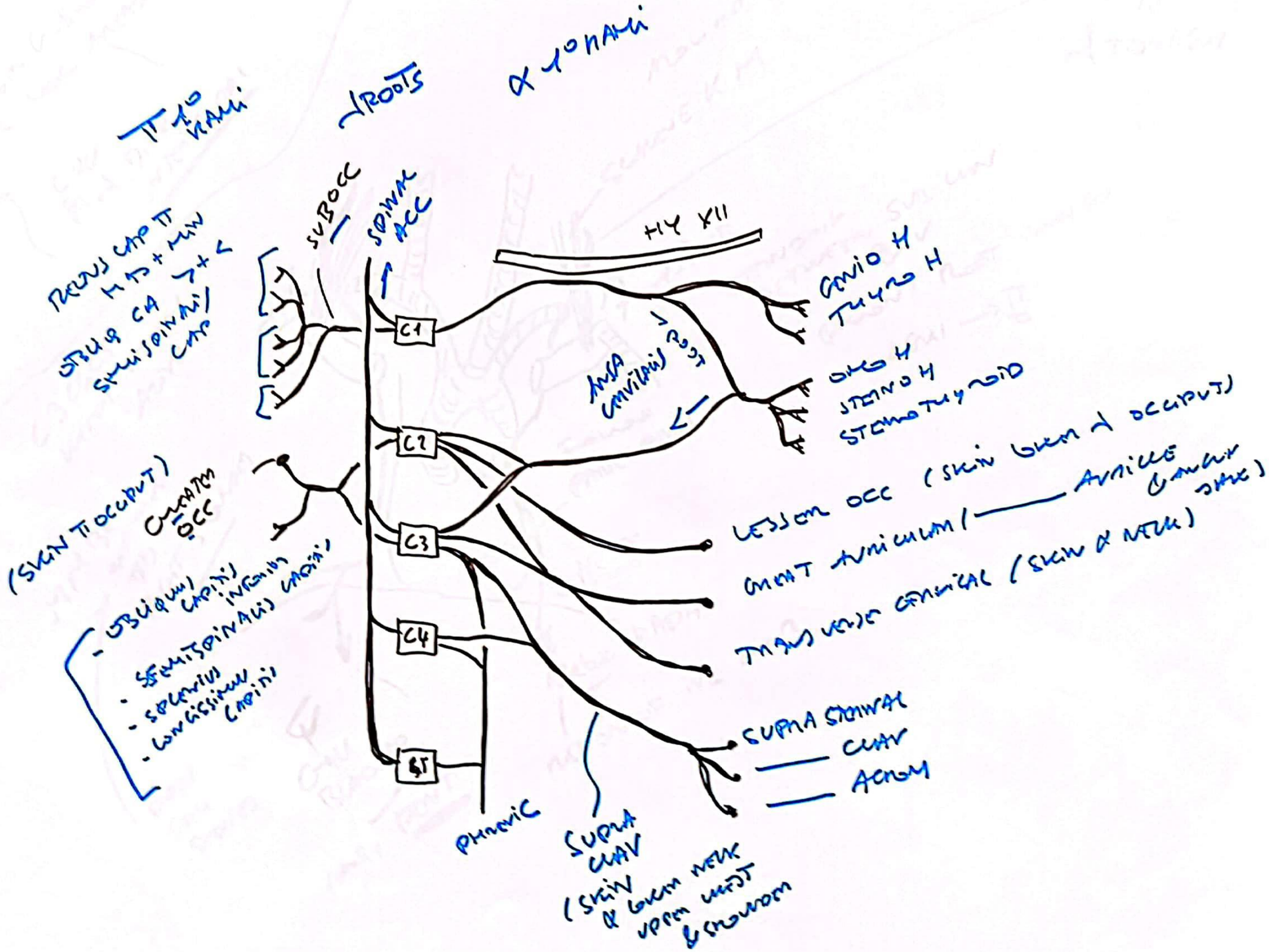


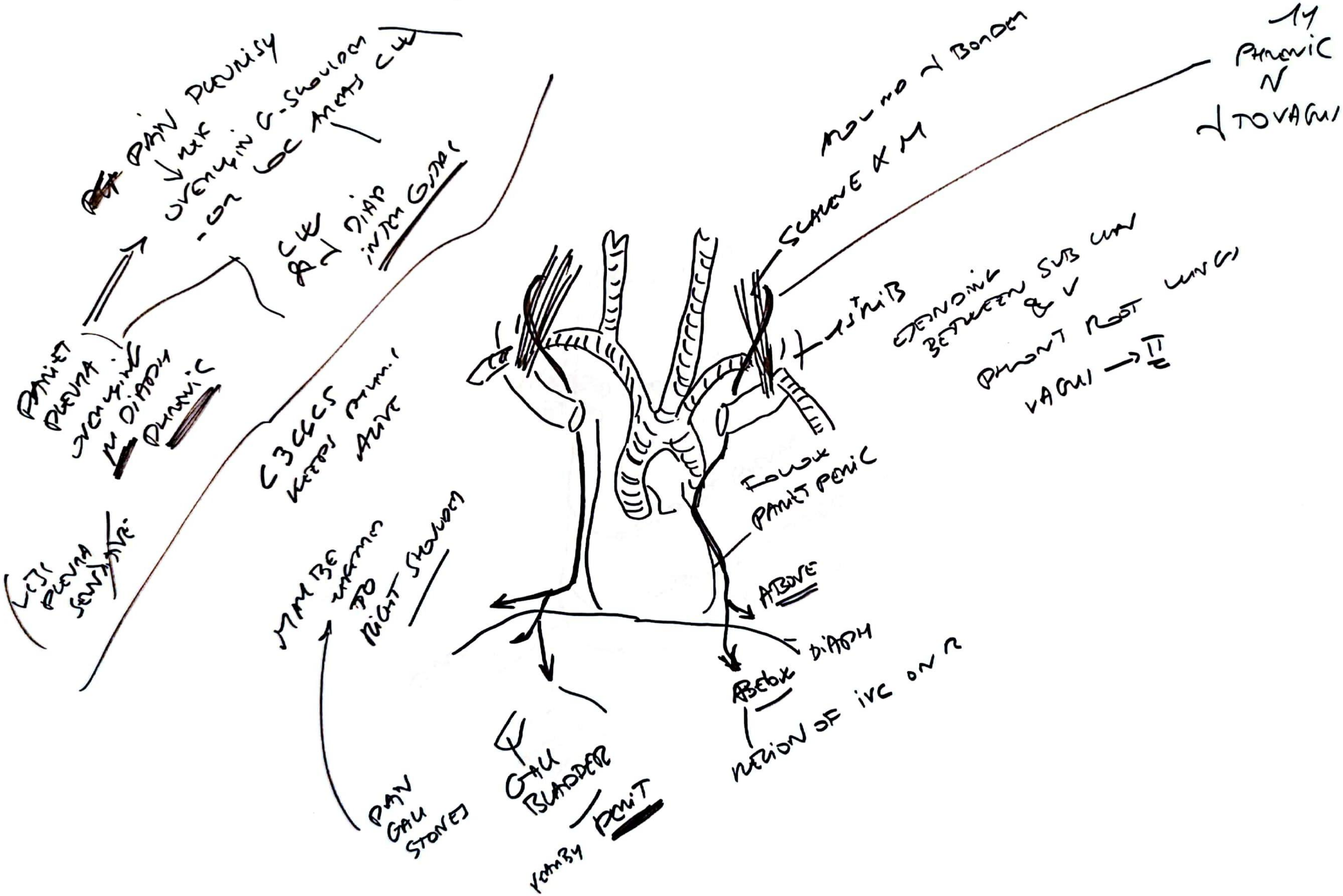

8
DERMATOME MAP
BOTH T & α NAM
CONV Y M
SKIN
EXCORIATION
DIAPH C3-C5
NO
C2
SKULL CAP
HIGH COLLAR
WHATEVER SWEATER
CAPE SHOULDER
C5-T1 VE
C6 THUMB-SUCKING SUCK C6
NIPPLE
BELLY BUTTON
T5
T1
C5
T10
C6
C7
C8
S2
S3
INGUINAL LIG
IL
L4 KNEE REF
L5
ANKLE JOINT REF
S1
S1 S2 PROBLEM REAL LE
BIG TOE
3 MIDDLE TOES
POOR NO REF
GRIT BARRIER
3
4
5
S2
L5
S1
L4

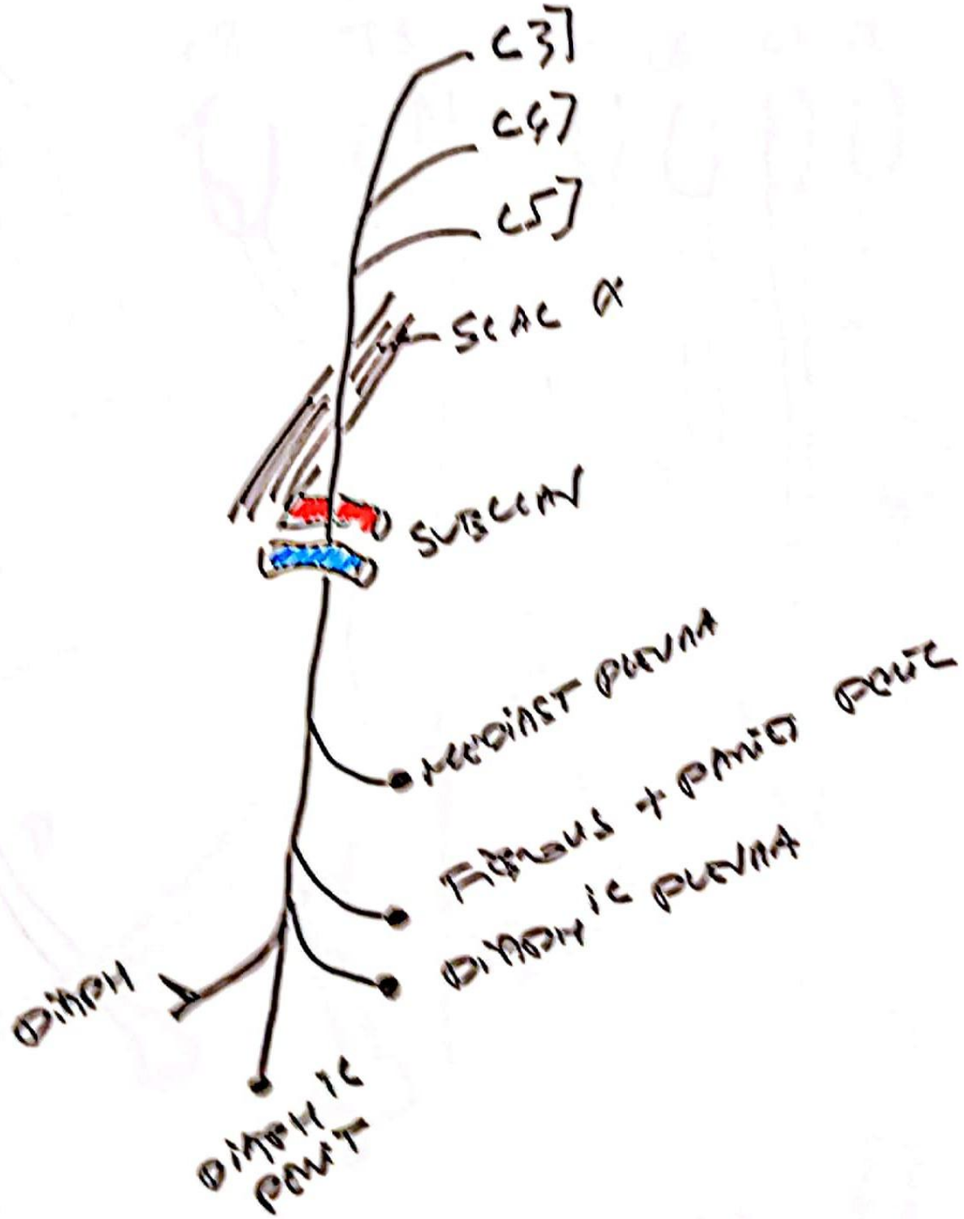
CERVICAL PLEXUS




CUTANEOUS BRANCHES OF CERV PLEXUS
EXIT AROUND TI BONDON
BELOW COVER
ANEST → LARGE ARM NERVE
SCM
11 ACCN

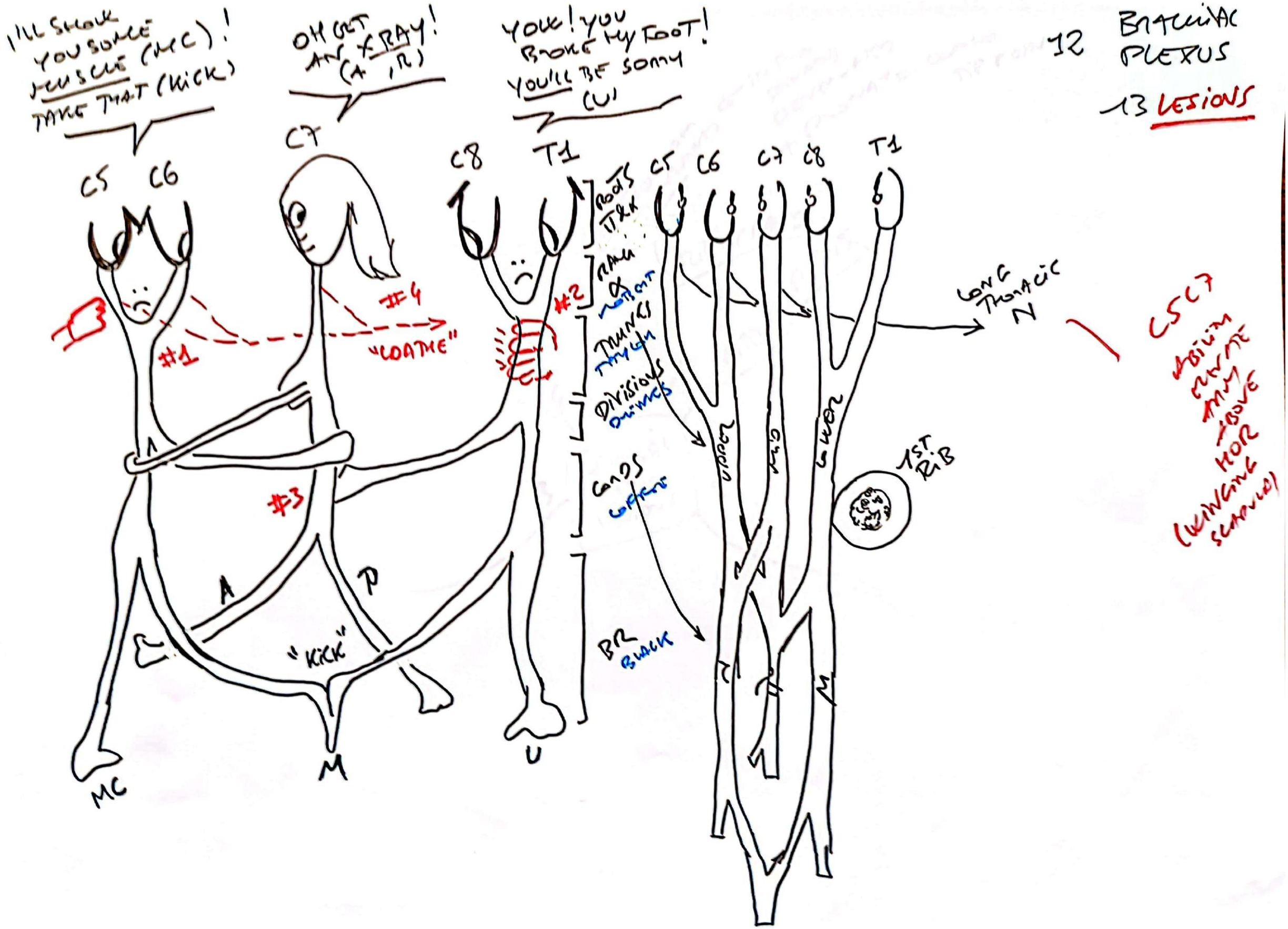

T 1° RAMI
ROOTS
α 1° RAMI
SUBOCC
SPINAL ACC
HY XII
C1
C2
C3
C4
C5
GENIO H
THYRO H
OMO H
STERNO H
STERNOTHYROID
ANSA CERVICALIS
(SKIN TO OCCIPUT)
CUTANEOUS OCC
- TRAPEZIUS CAPITIS
- SEMISPINALIS CAPITIS
- SPLENIUS CAPITIS
- LONGISSIMUS CAPITIS
LESSER OCC (SKIN BEHIND OCCIPUT)
GREAT AURICULAR — AURICLE & ANGLE JAW
TRANSVERSE CERVICAL (SKIN & NECK)
SUPRA STERNAL
CLAV
ACROM
PHRENIC
SUPRA CLAV (SKIN & BELOW NECK UPPER CHEST & SHOULDER

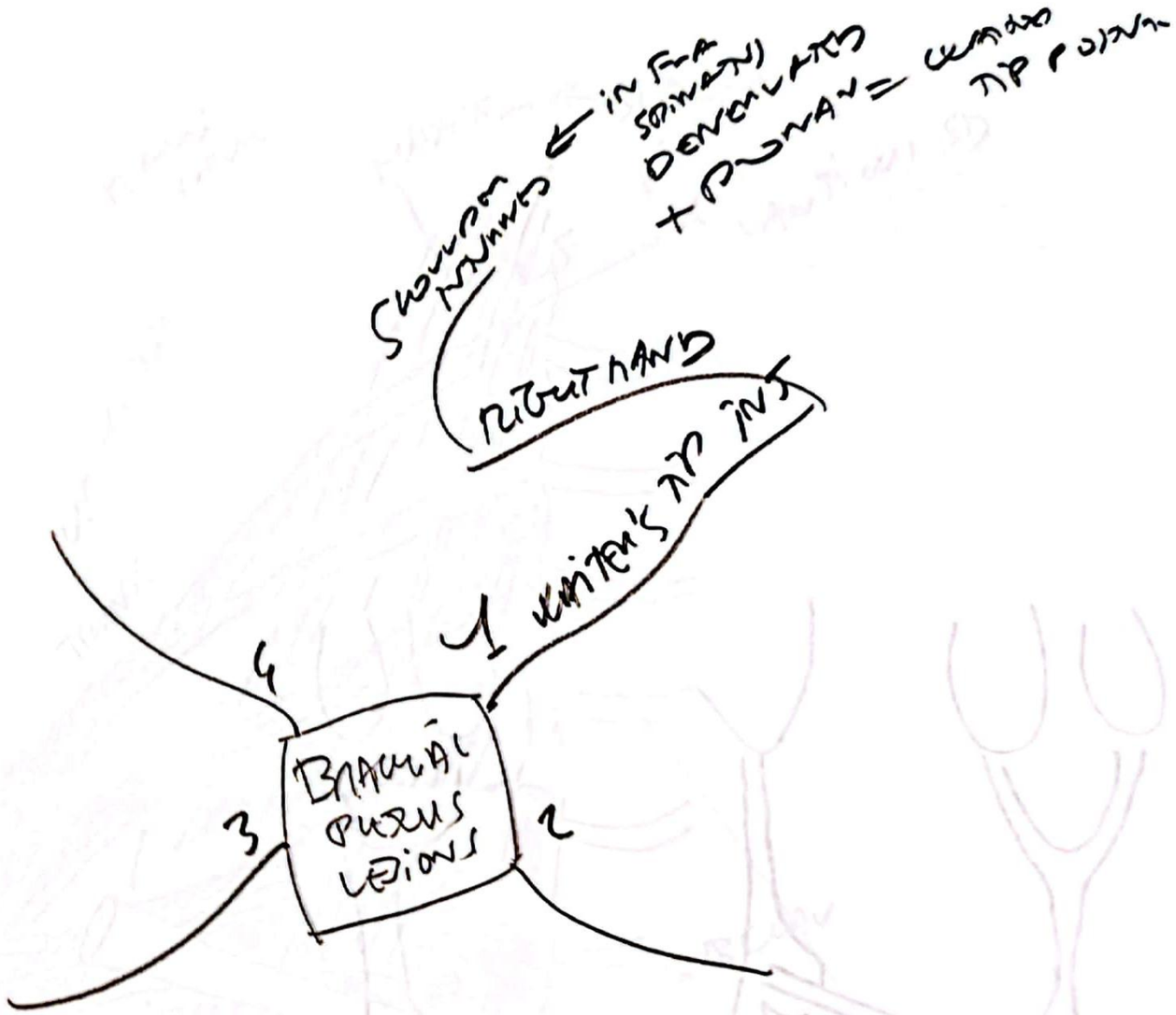

PAIN PRURITUS
↓ HIF
OVERLYING C-SHOULDER
- CN C6 AREAS CHE
CHE
R d DIAP
INTERCOSTAL
PARIETAL PLEURA
OVERLYING
R DIAPHRAGM
PHRENIC
LEFT PLEURA SENSITIVE
C3 C4 C5
NERVES PHRENIC
ALIVE
MAY BE REFERRED
TO RIGHT SHOULDER
PAIN
GALL
STONES
GALL
BLADDER
PERIT
NEARBY
ROUND LIGAMENT
SCAPULA & M
↓ TRAPEZIUS
EXTENDING SUB CLAV
BETWEEN SUB CLAV
& V
PHRENIC NERVE
VAGUS → !!
TOUCH
PARIETAL PERIC
ABOVE
DIAPHRAGM
ABOVE
REGION OF IVC ON R
↓ PHRENIC
↓ VAGUS


[3]
[4]
[5]
SCAL α
SUBCLAV
MEDIAST PLEURA
FIBROUS + PARIET PERIC
DIAPHRAGMATIC PLEURA
DIAPH
DIAPHRAGMATIC PERIT

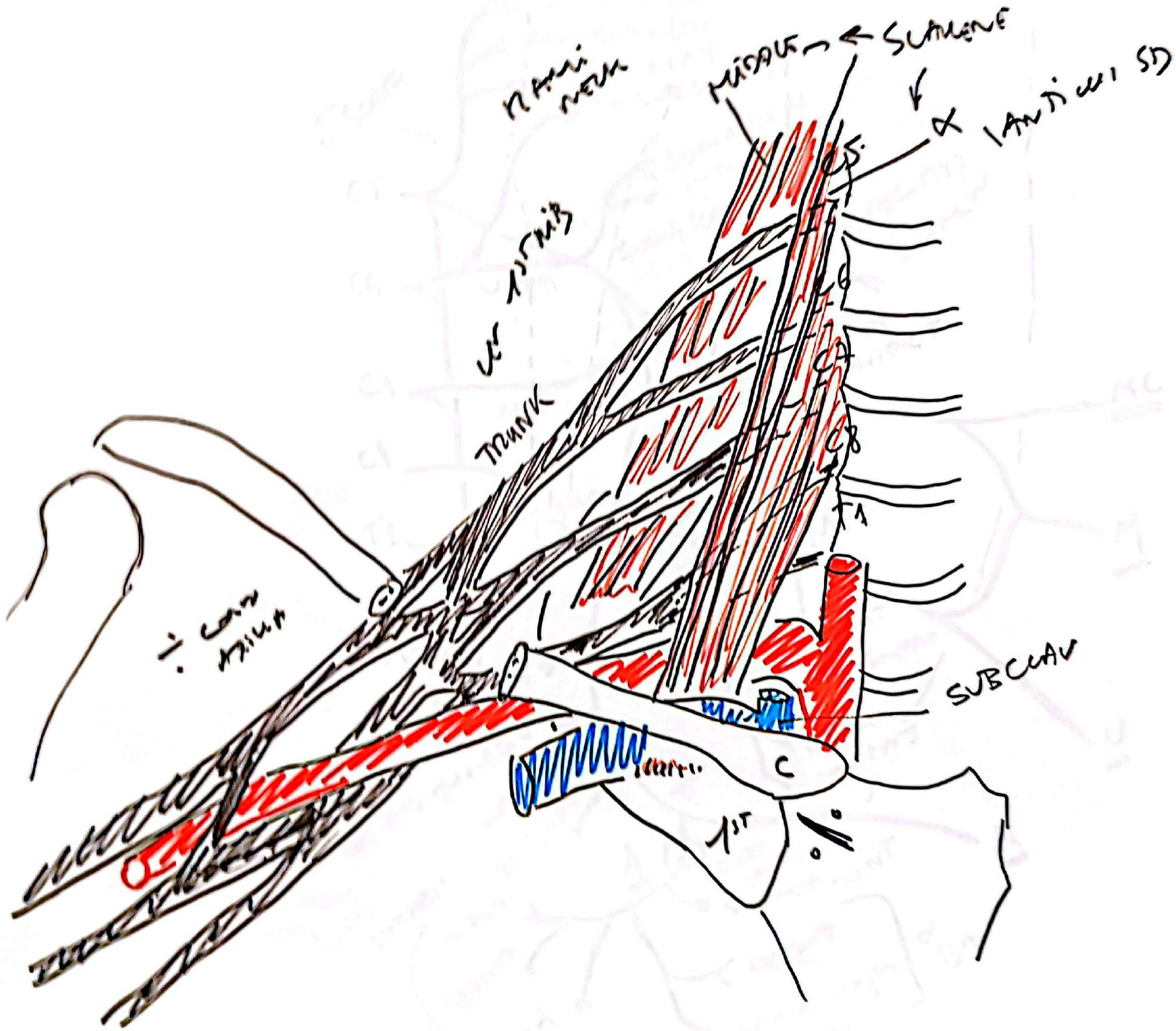
12 BRACHIAL PLEXUS

13 LESIONS

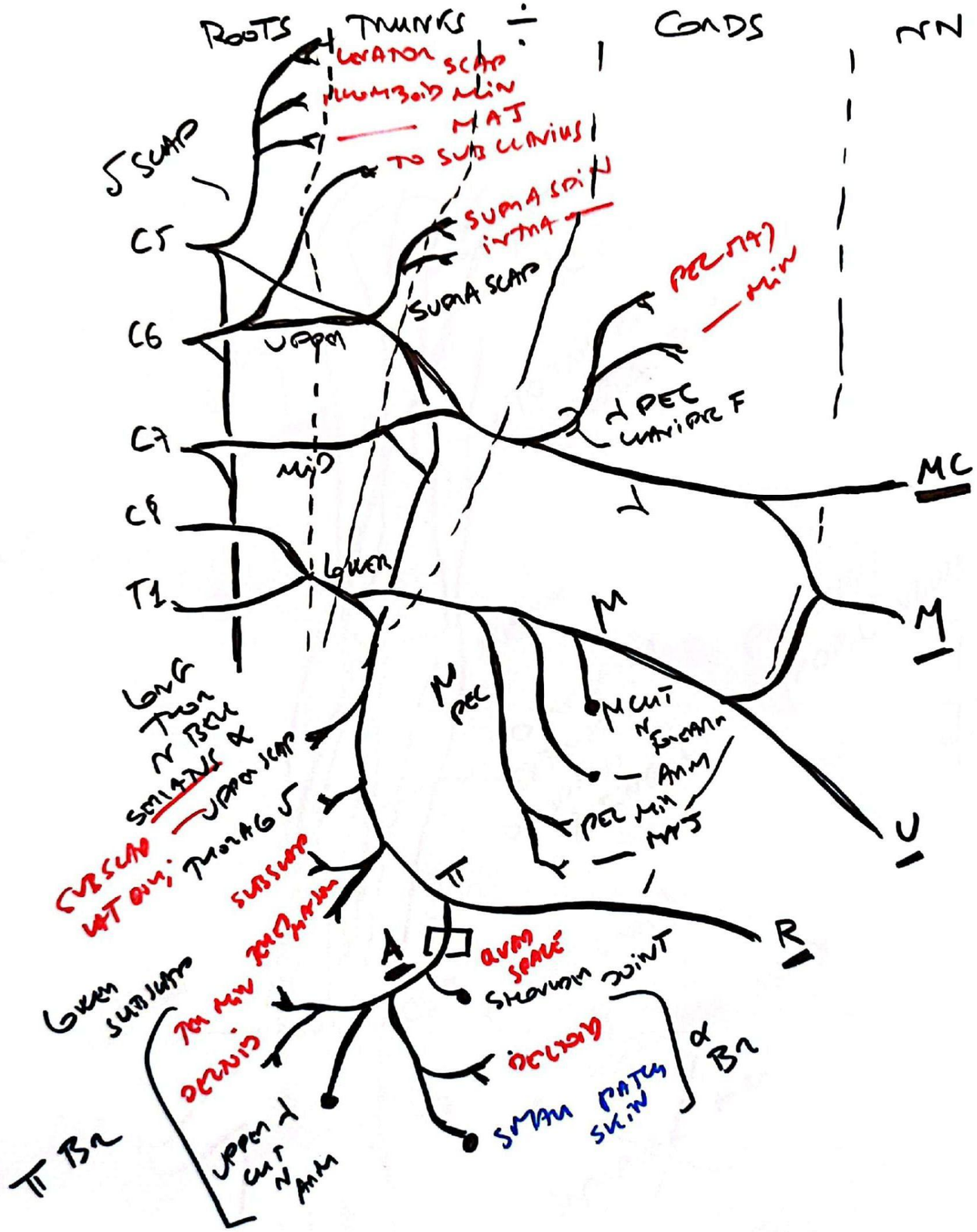



Brachial plexus lesions
1 Erb's palsy
2 Klumpke's palsy
3 Horner's syndrome
4 Sensory nerves
in fig. spinal nerve derivatives + plexus = complete list of plexus

R
BRACHIAL PLEX & 1ST RIB



BRACHIAL PLEX
C5 6 7 8 T1



Axillary
RADIAL

COMPRESSION

"SATURDAY NIGHT PALSY"

ARM OVER BACK CHAIR

⇓

WRISTDROP

SHOULDER DISLOCN
OR FRACT SURG NECK

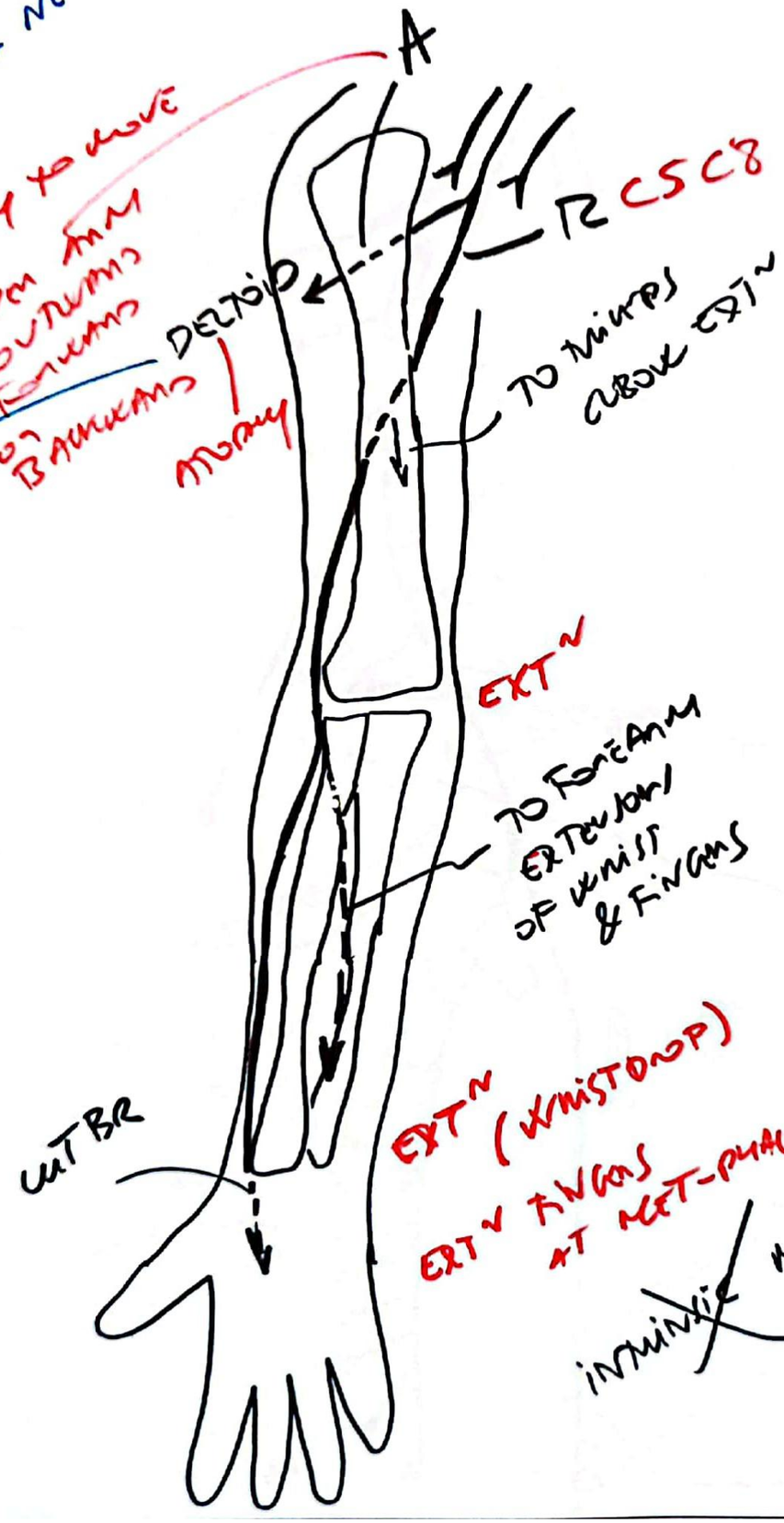
ABILITY TO MOVE
UPPER ARM
OUTWARDS
FORWARDS
OR BACKWARDS

DELTOID

MOTOR

DAMAGE

+ ANTEST
↓ SHOULDER



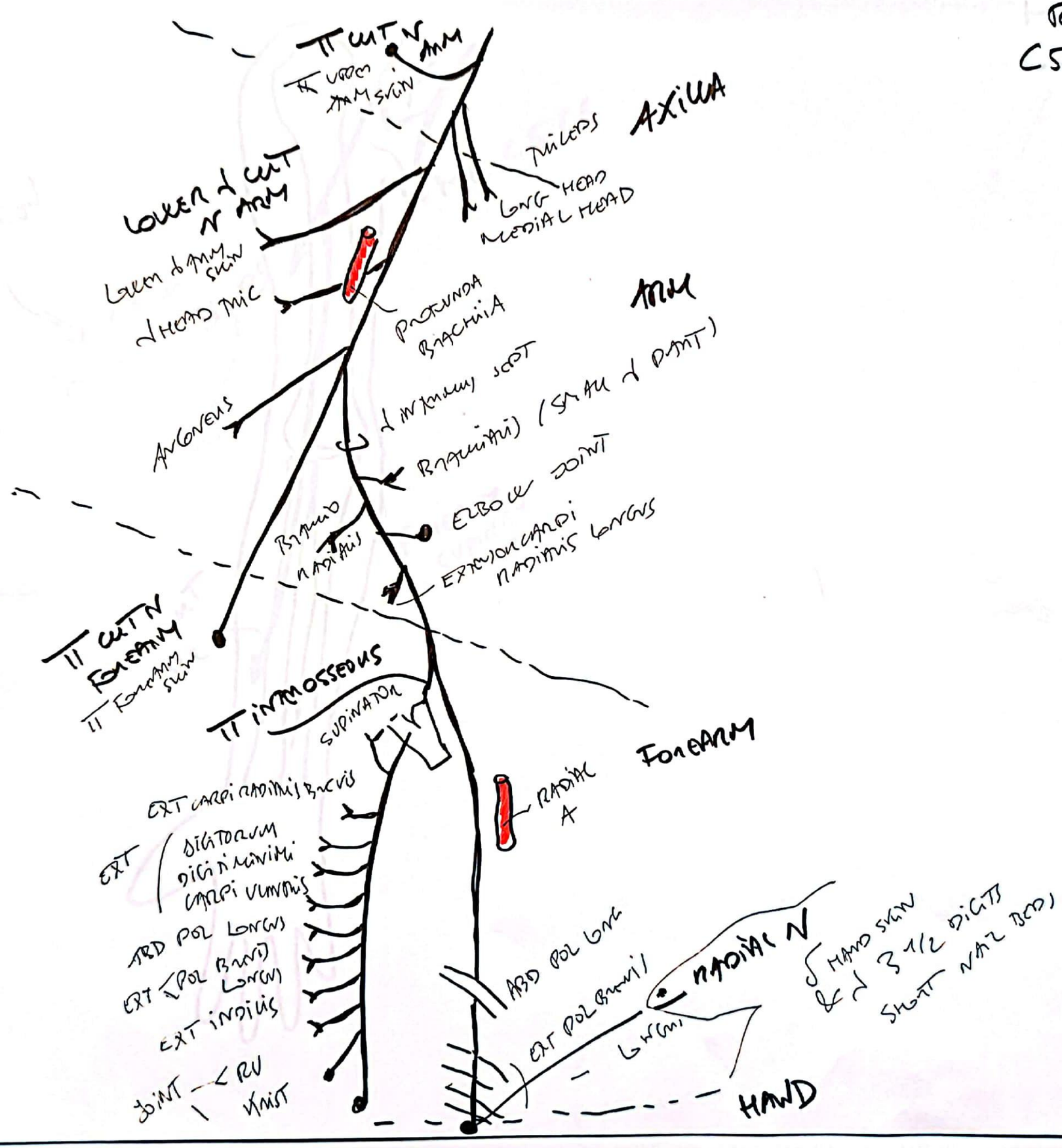
FRACTURED
RADIAL SULCUS

HUM

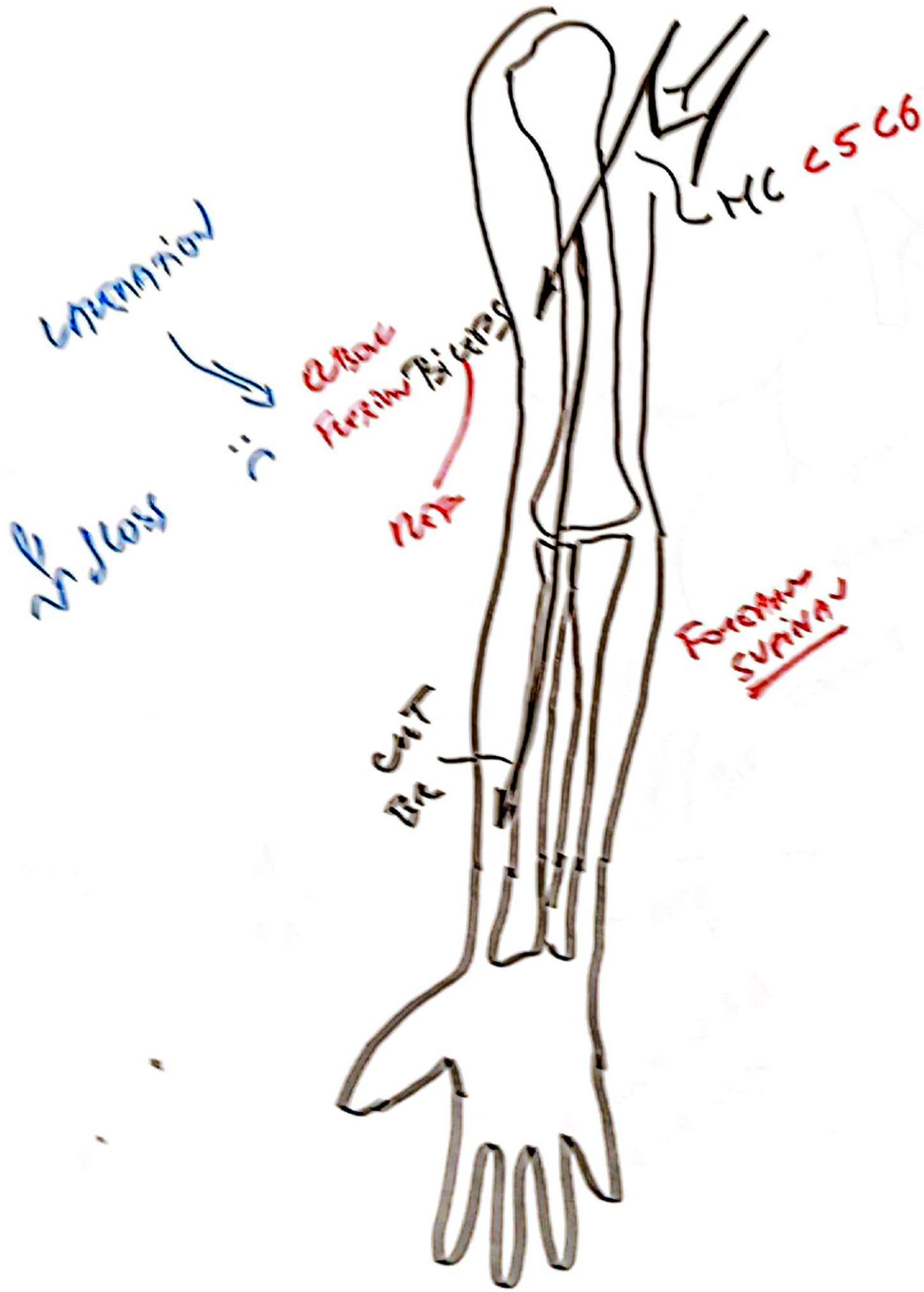
SPIRAL
GROOVE
EXTEND ELBOW

~~INTRINSIC~~ HAND

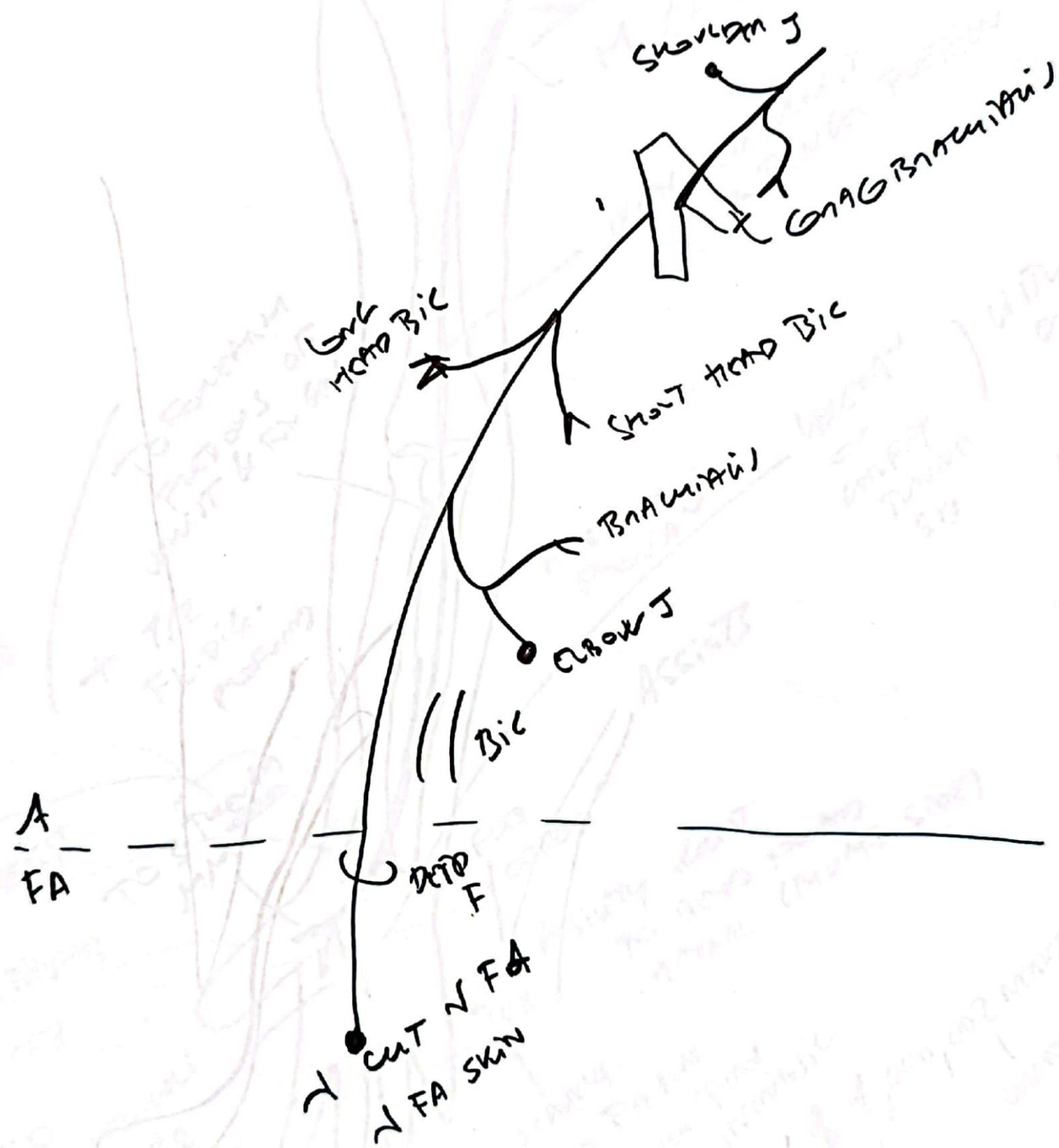
RADIAL
C5678T1



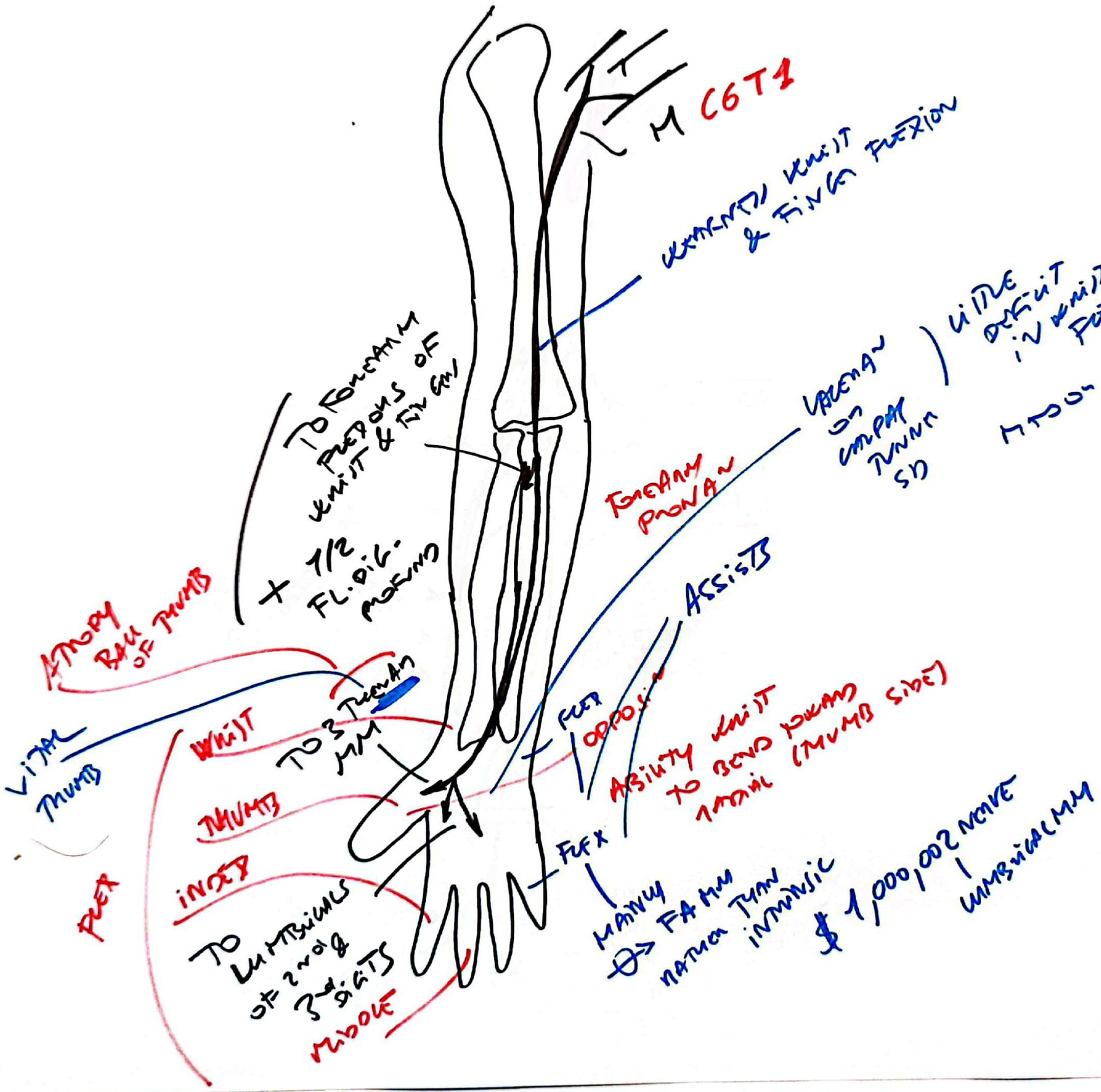
MUSCULO CUTANEUS



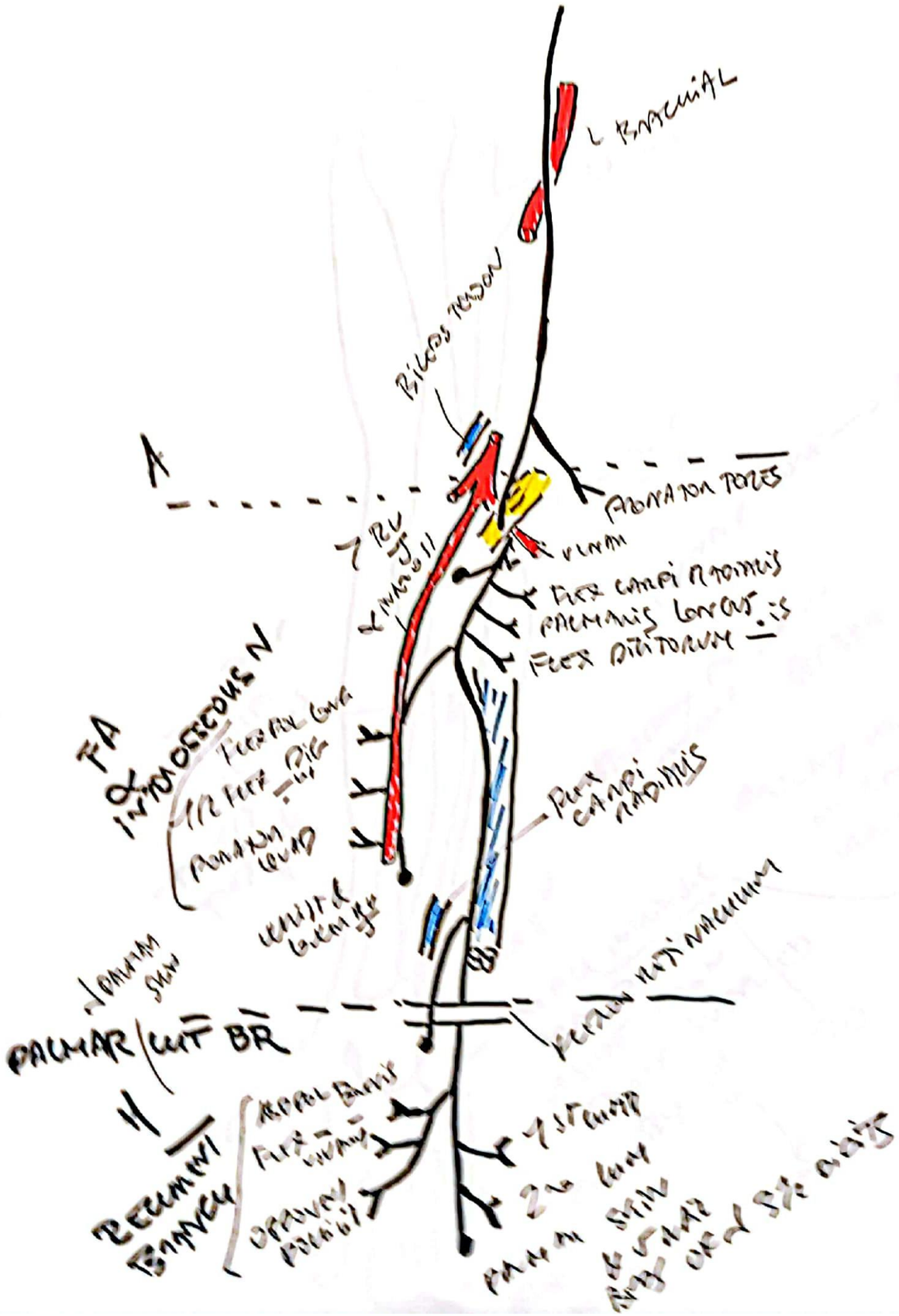
MUSCLE
CUTANEOUS
C567



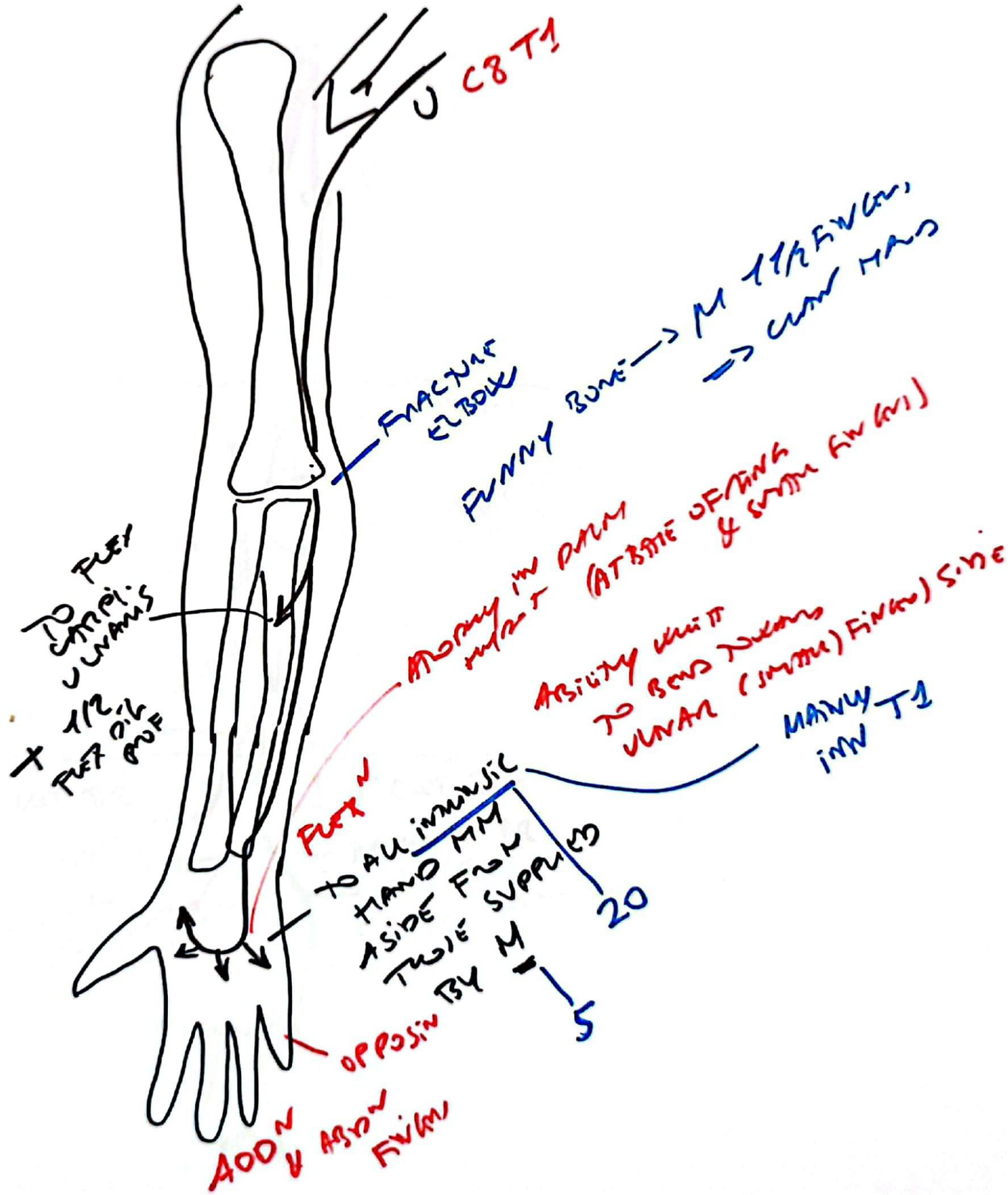
MEDIAN


C6 T1
VARIABLE WRIST & FINGER FLEXION
TO FOREARM PRONATORS OF WRIST & FINGERS
+ 1/2 FL. DIG. PROFUNDUS
FOREARM PRONATION
VARIABLE OR COMPLETE TUNNEL SD
LITTLE DEFICIT IN WRIST FLEXION
MOTOR LOSS THUMB
ATROPHY BALL OF THUMB
VITAL THUMB
WRIST
TO 3 THENAR MM
THUMB
INDEX
FLEX
TO LUMBRICALS OF 2nd & 3rd DIGITS
MIDDLE
ASSISTS
FLEX OPPOSITION
ABSENT WRIST TO BEND TOWARD RADIAL (THUMB SIDE)
FLEX
MANY → FAMM NATURE TUNNEL INTRINSIC
$ 1,000,002 NERVE
LUMBRICALMM

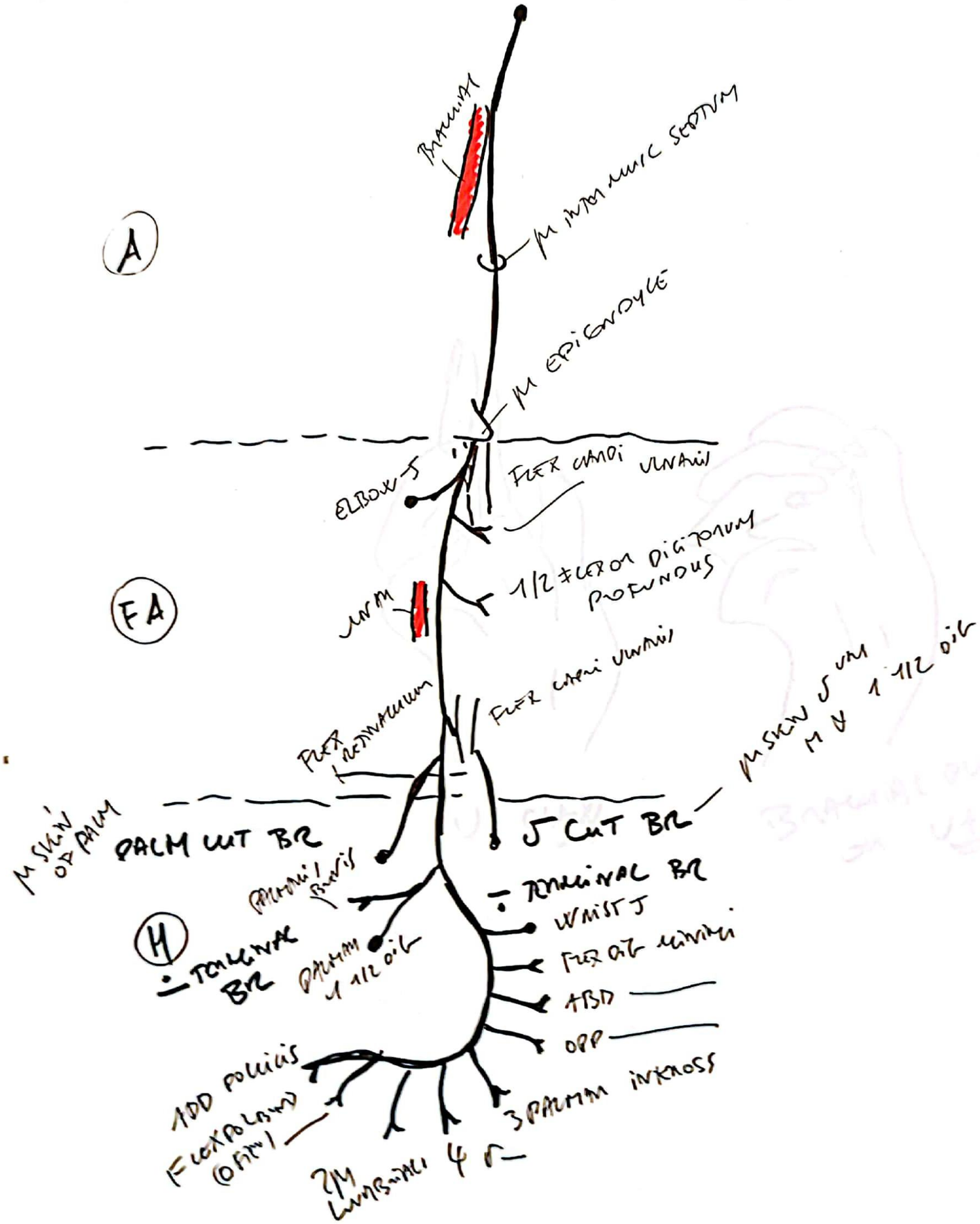
MEDIAN
C678T1

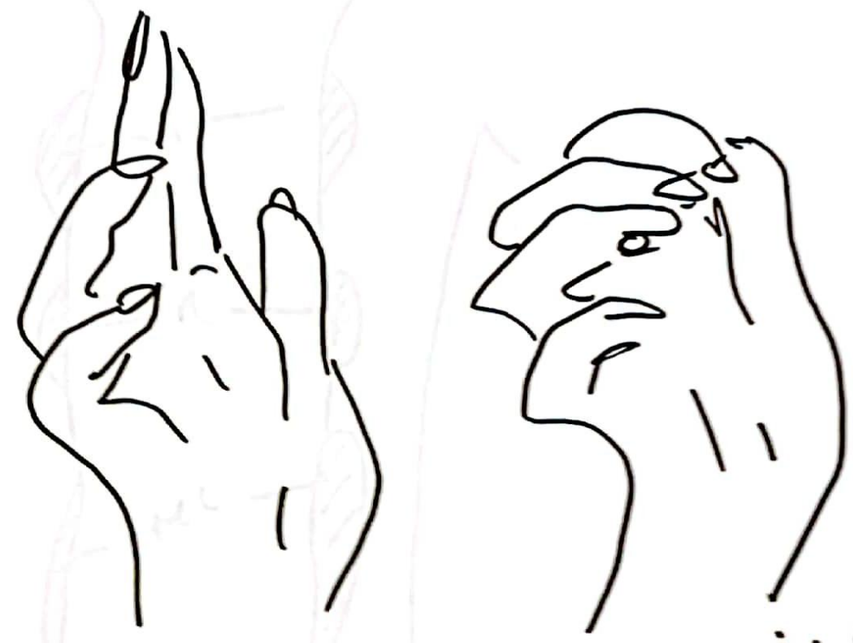


ULNAR


C8 T1
FRACTURE ELBOW
FUNNY BONE → M 11/12 ENGAGED
→ CLAW HAND
ATROPHY IN PALM
MUST (AT BASE OF RING & SMALL FINGER)
ABILITY WILL BE TO BEND TOWARDS ULNAR (INSIDE) FINGER) SIDE
MAINLY INN T1
FLEX TO CARPI ULNARIS
+ 1/2 FLEX DIG PROF
FLEX N
TO ALL INTRINSIC HAND MM ASIDE FROM THOSE SUPPLIED BY M
20
5
OPPOSIN
ADDN & ABDN FINGERS

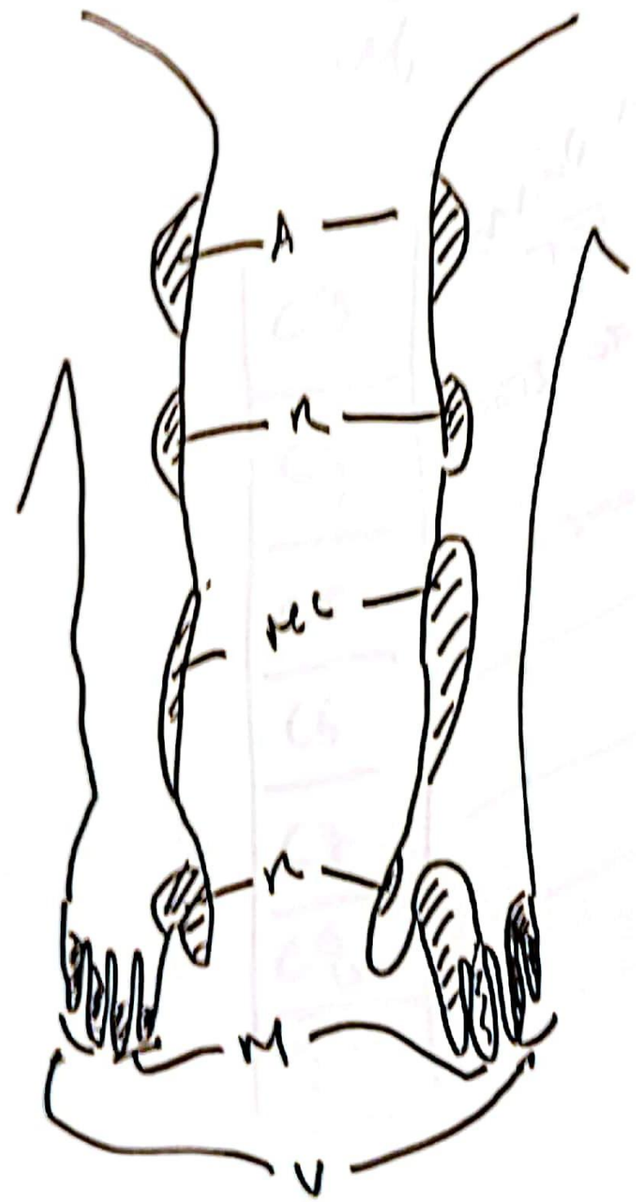
ULNAR
C8 T1


A
BRACHIALIS
M INTERMUSC SEPTUM
M EPICONDYLE
ELBOW J
FLEX CARPI ULNARIS
FA
1/2 FLEXOR DIGITORUM PROFUNDUS
ULNA
FLEX CARPI ULNARIS
FLEX RETINACULUM
M SKIN OF PALM
PALM CUT BR
J CUT BR
M SKIN J UNI M & 1 1/2 DIG
PALMARIS BREVIS
TERMINAL BR
H
TERMINAL BR
PALMAR 1 1/2 DIG
ULNIST J
FLEX DIG MINIMI
ABD
OPP
ADD POLLICIS
FLEXOR LONG (OPPN)
3 PALMAR INTEROSS
2M LUMBRICALI 4 J



U CLAW

BRACHIAL PLEX
OR U+M
CLAW


A
R
MC
R
M
V

C_3	C_4	C_5	C_6	C_7	C_8	T_1

$\rightarrow \gamma$

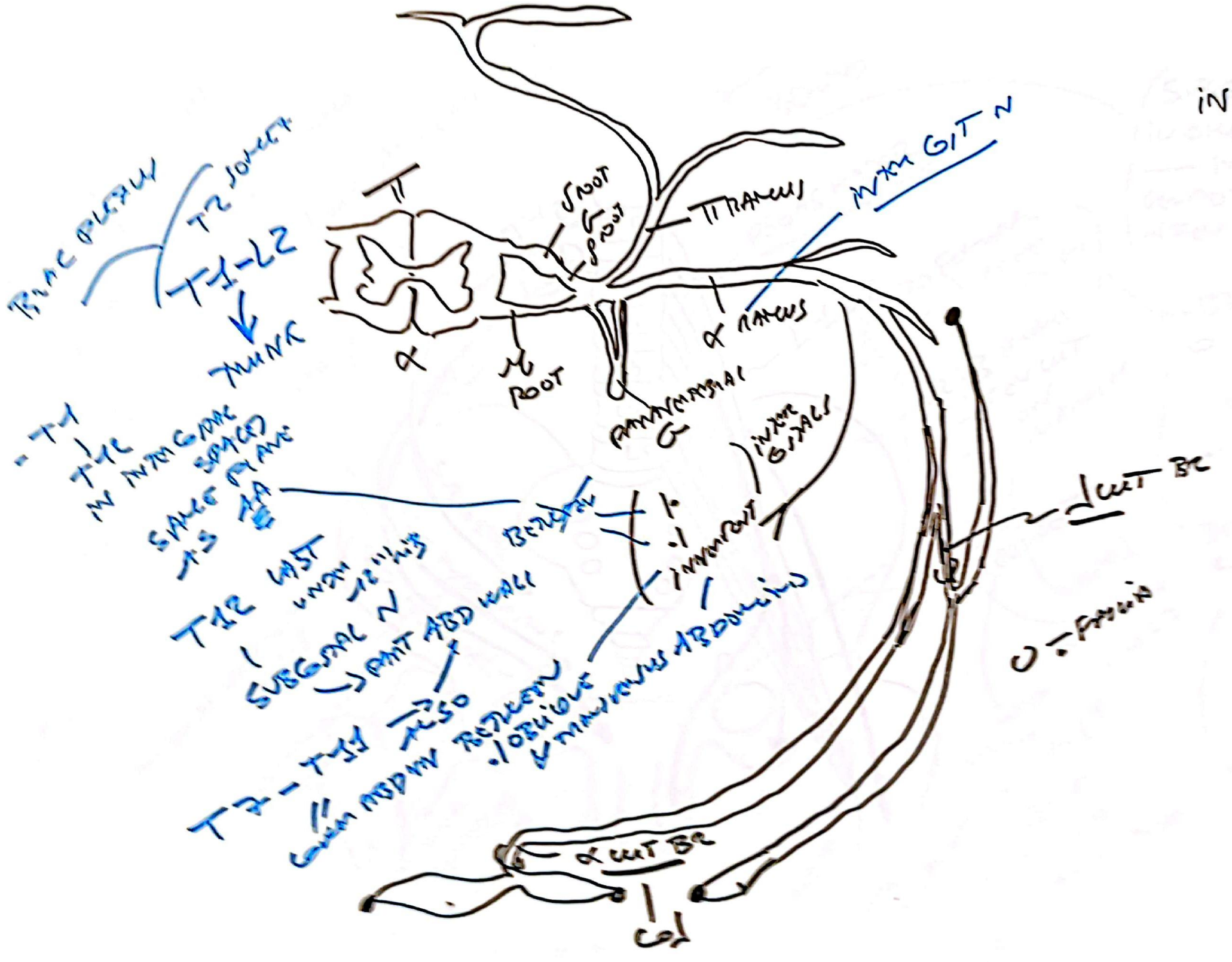
$\frac{1}{\gamma}$ is the convergence

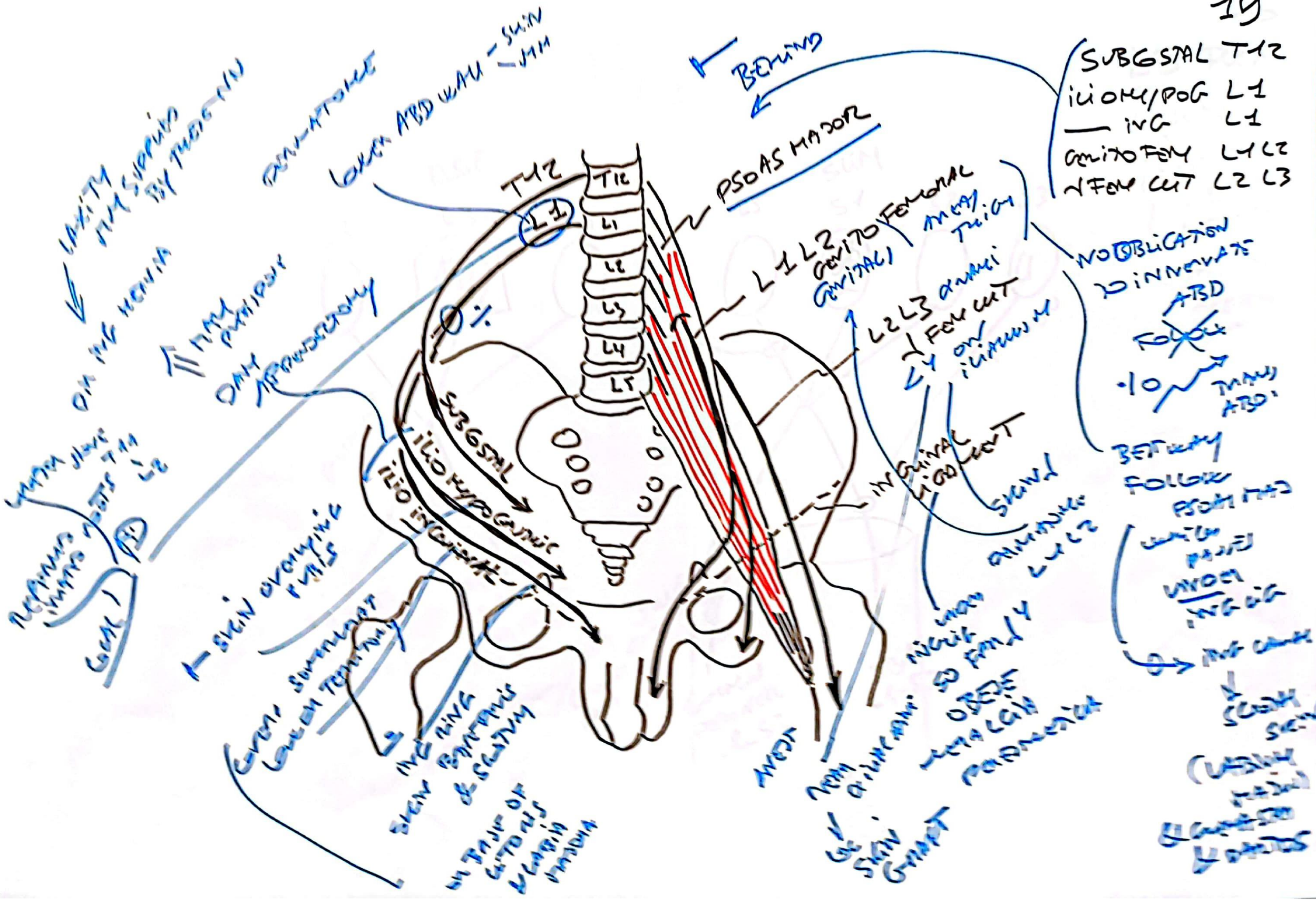
Leaving roots of above matrix equation $\rightarrow$ eigenvalues of the matrix

roots of C_4 & above matrix equation are the

solution the

INTERCOSTAL

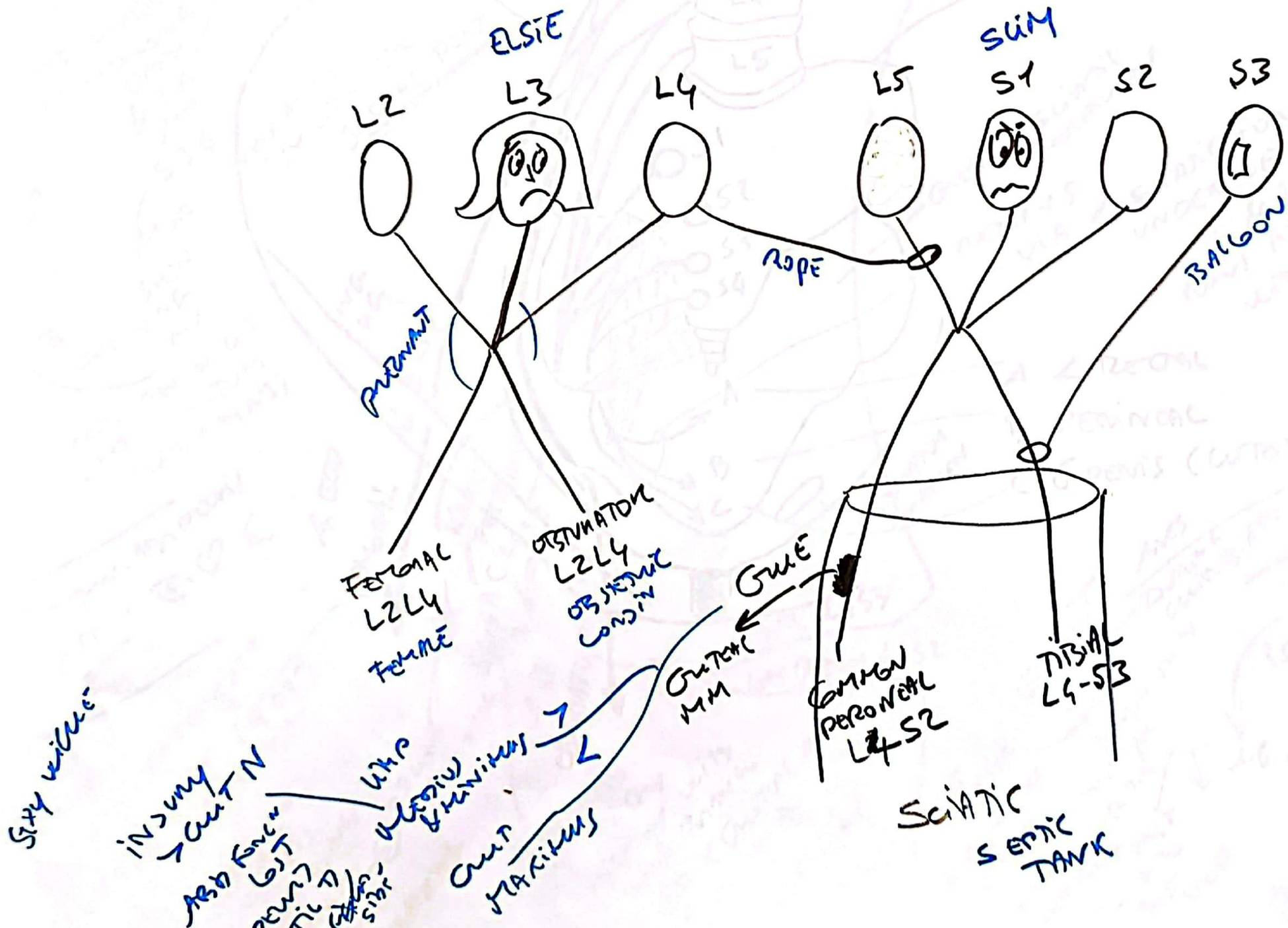


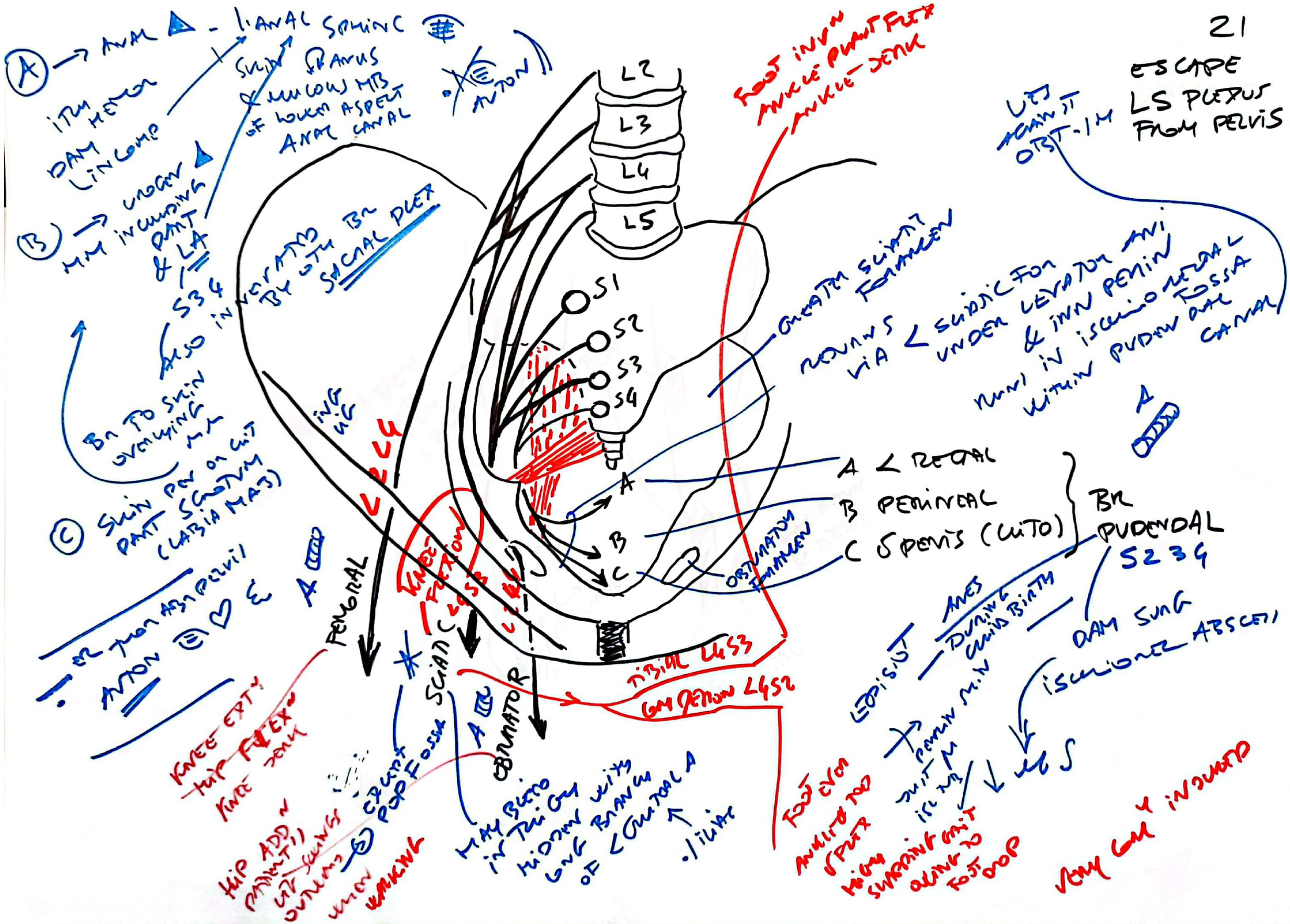

BEHIND
PSOAS MAJOR
T12
L1
L2
L3
L4
L5
SUBCOSTAL T12
ILIOHYPOGASTRIC L1
— ING L1
GENITOFEM L1 L2
LFEM CUT L2 L3
L1 L2 GENITOFEMORAL GENITALS
L2 L3 ANTERI LFEM CUT
L4 ant ILIOINGUINAL
NO OBLIGATION TO INNERVATE ABD
FOCUS
10
MANY ABD
BETTER FOLLOW PSOAS MAJ
SUBCOSTAL
ILIOHYPOGASTRIC
ILIOINGUINAL
INGUINAL LIGAMENT
SKIN OVERLYING PUBIS
SUPERIOR ANTERIOR ILIAC SPINE
ANTERIOR
GE SKIN GRAFT

LS PLEX

SKIN & SKELETAL MM LE & PAIN

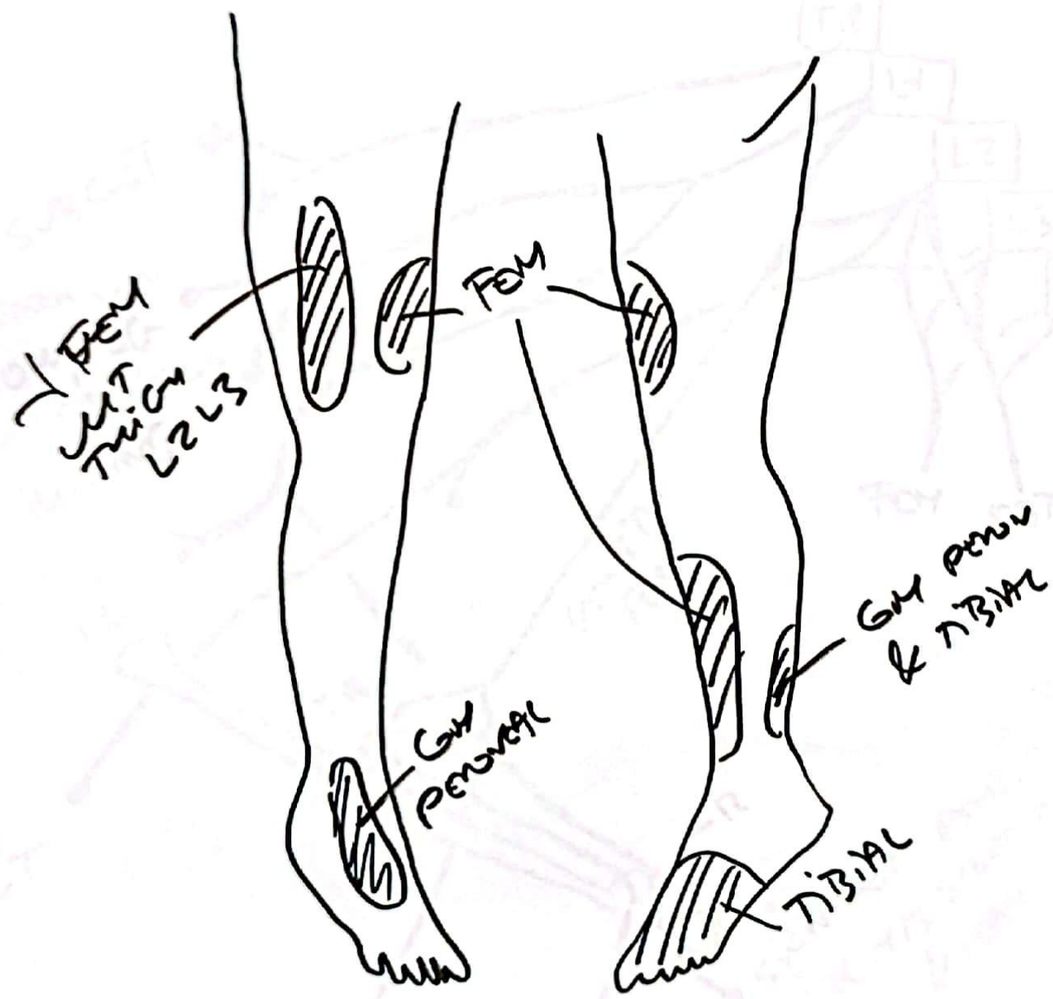
EXTENSION / ANAL




(A) → ANAL ▲ - L ANAL SPHINC
ITH HEMOR
DAM LIN COME
SKIN & MUCOUS MB OF LOWER ASPECT ANAL CANAL
ANTON
(B) → UNDER MM INCLUDING PART & LA
S3 & 4
ALSO INNERVATED BY OTH BR SACRAL PLEX
BR TO SKIN OVERLYING MM
(C) SKIN PER ON CUT PART SCROTUM (LABIA MAJ)
ER THAN ASP PELVIS
ANTON
A
L2
L3
L4
L5
S1
S2
S3
S4
INF VIEW
PELVIS
PERONAL
SCIAT
OBTURATOR
KNEE FLEXION
FOOT INVN
ANKLE PLANT FLEX
ANKLE JERK
GREATER SCIAT FORAMEN
PASSES VIA L SUBDIC FOR UNDER LEVATOR ANI & INVN PENIN
RUNS IN ISCHIO RECTAL FOSSA WITHIN PUDEN ANL CANAL
A
A L RECTAL
B PERINEAL
C S PENIS (CLITO)
BR PUDENDAL S2 3 4
OBTURATOR FORAMEN
LEG ADDUCTED & OUT ROTATED
ESCAPE LS PLEXUS FROM PELVIS
LEG AGAINST OBST-IM
TIBIAL L4 S3
COM PERON L4 S2
EPISIOT
ANES DURING CHILD BIRTH
PERIN M.N
DAM SUSC ISCHIONEC ABSCESS
FOOT EVER
ANKLE TOO SPLAY
HIGH STEPPING GAIT DUE TO FOOT DROP
VERY CAN Y INVOLVED
KNEE EXT
HIP FLEX
KNEE JERK
HIP ADD
PATIENT LIE SUPINE
CRUST POP FOSSA
MAY BLOCK IN THIGH WITH HIDDEN GUG BRANCH OF L GLUTEAL A
ILIAC

23

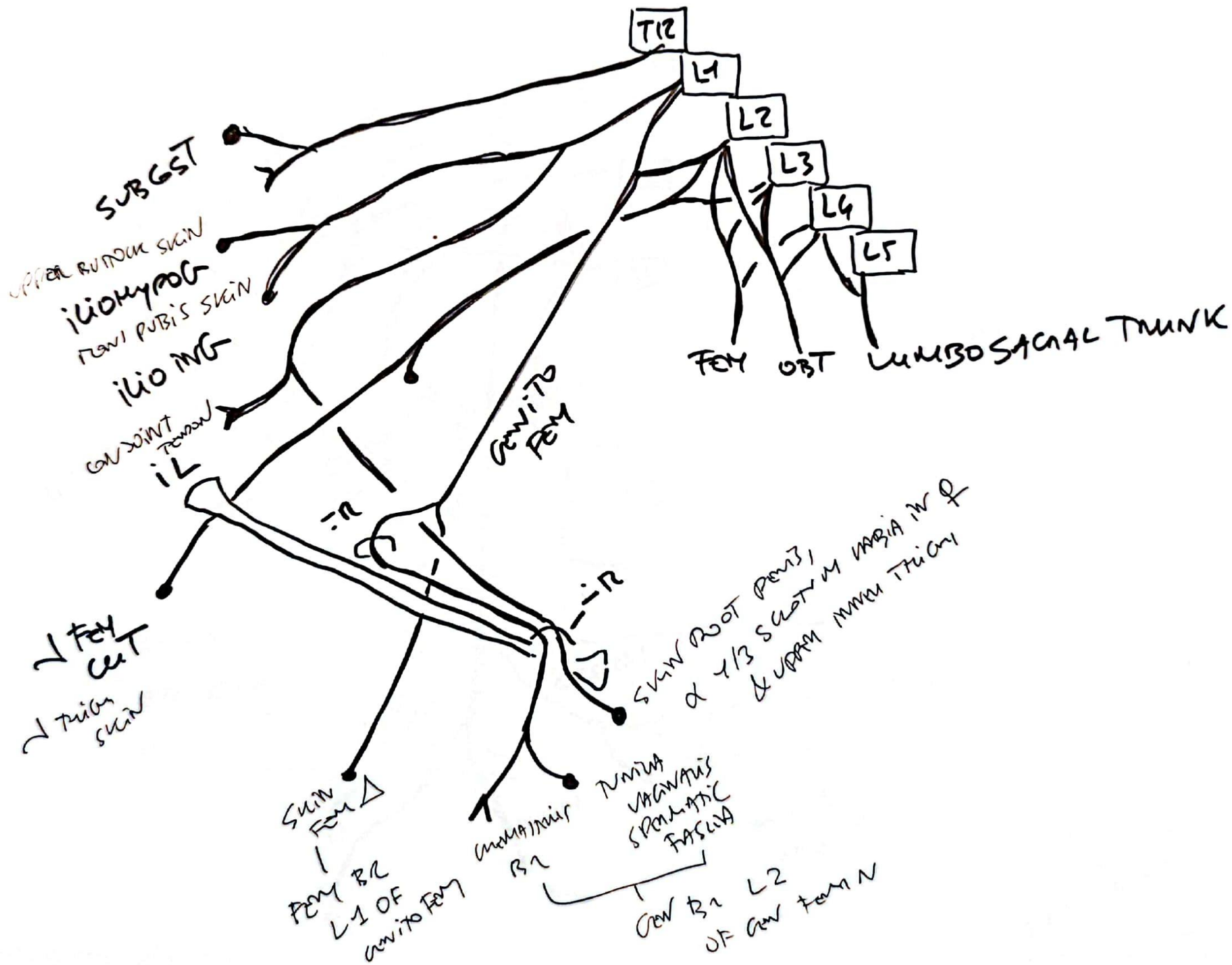
∫ DEFICITS



LUMBAR PLEXUS

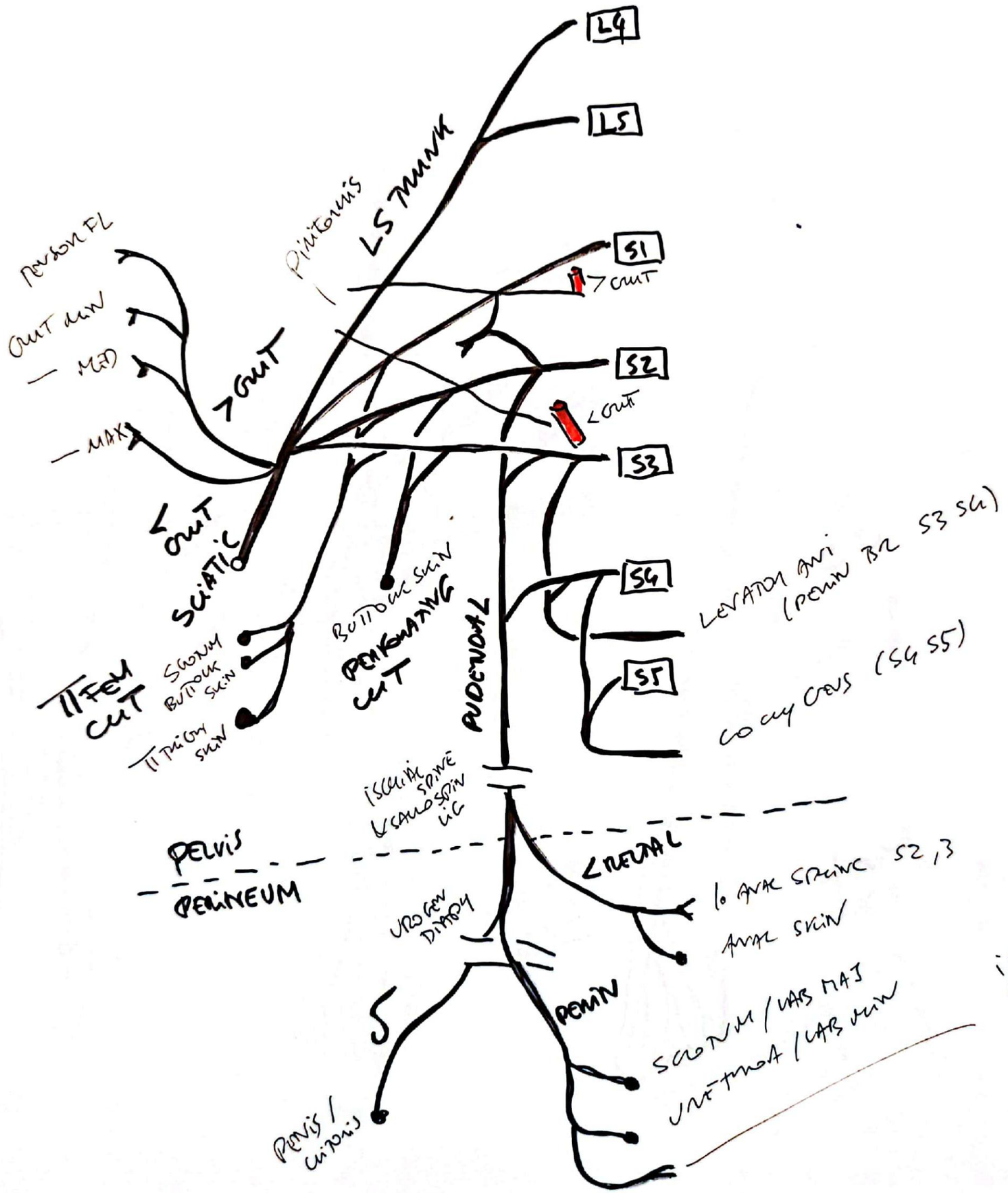
T12 L1 2 3 4 5

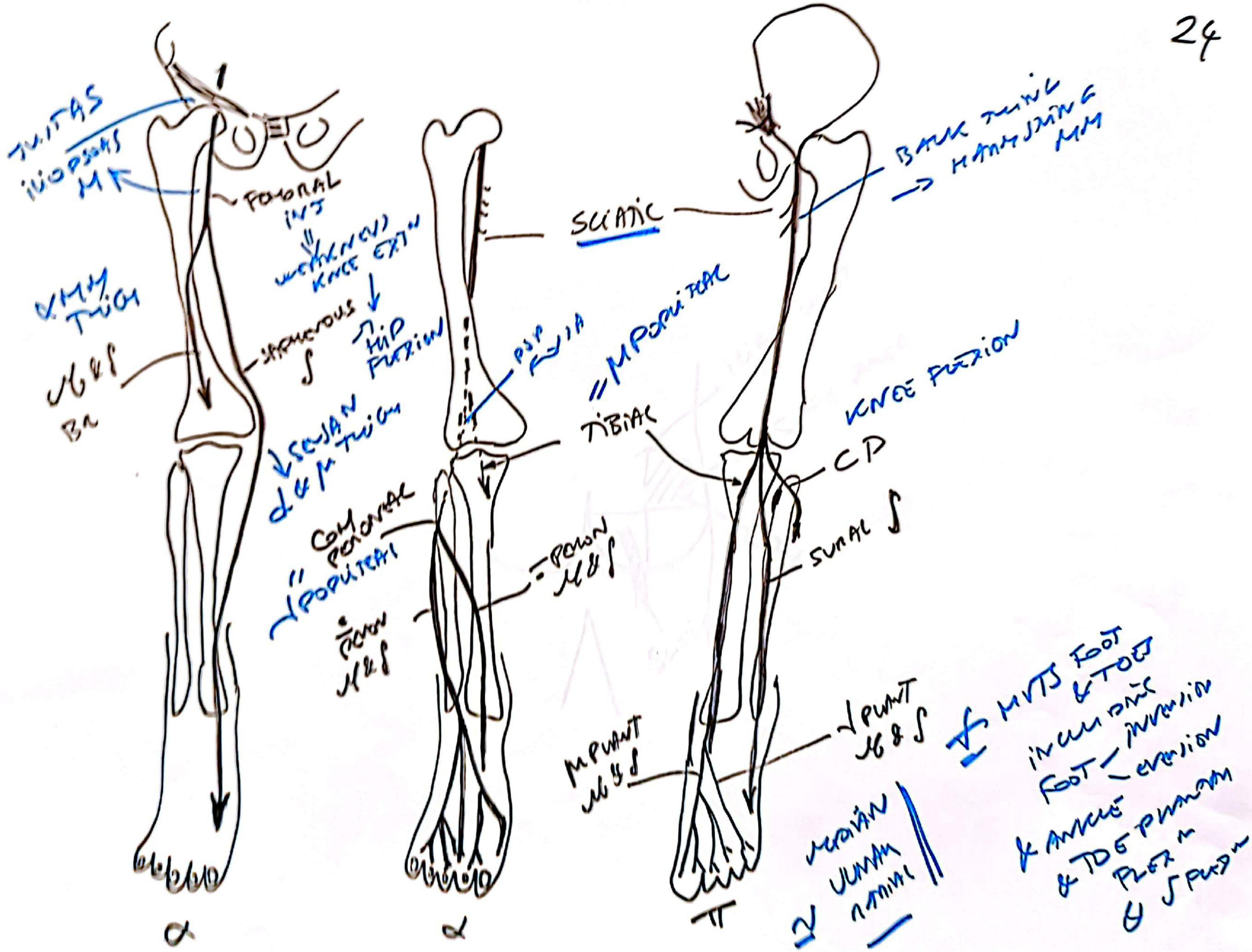
SACRAL

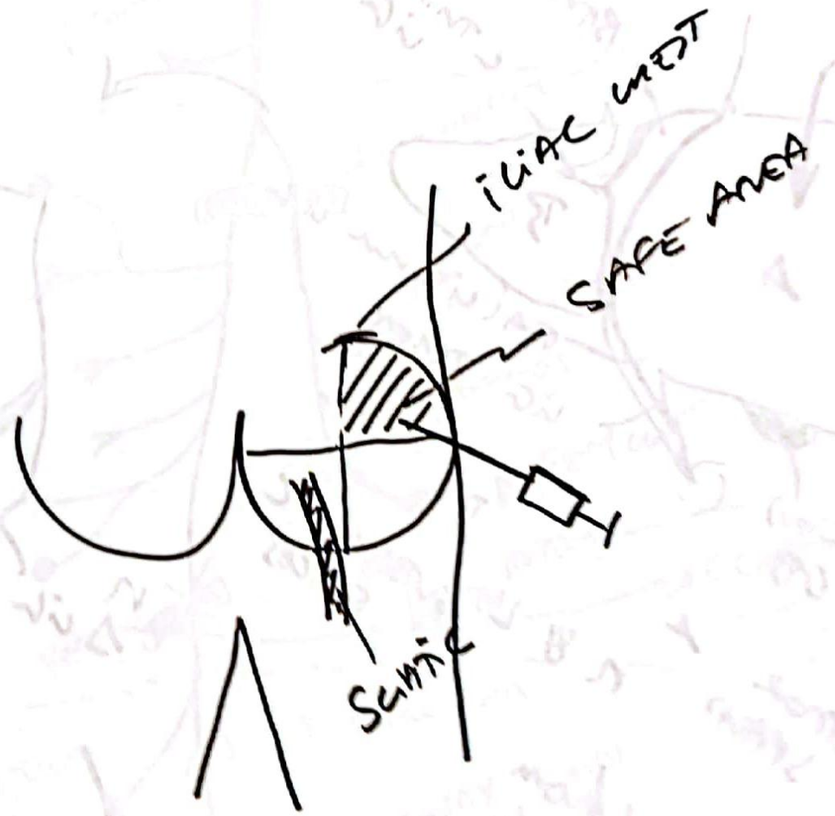


SACRAL PLEX

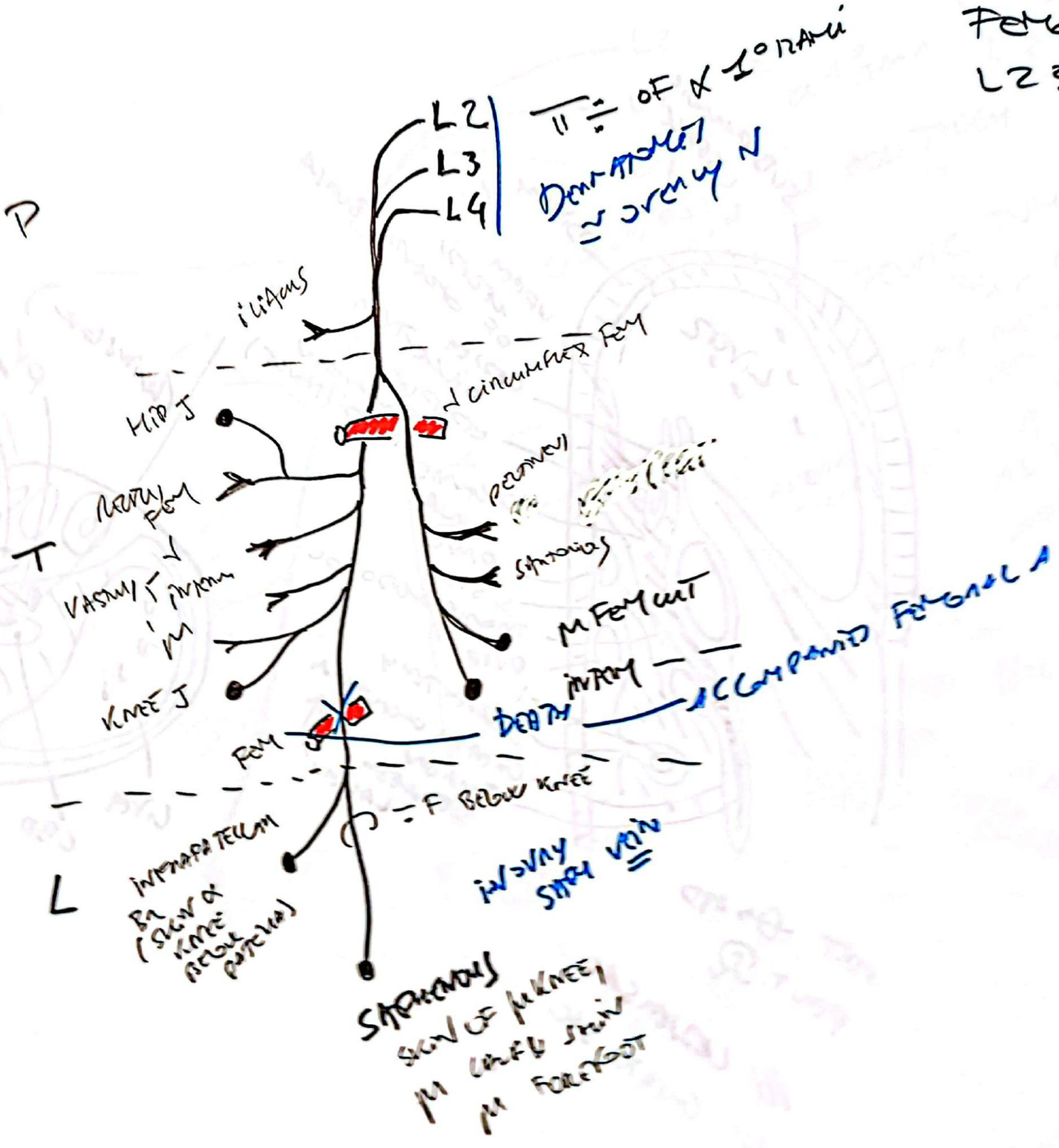
L4 S1 2 3 4 5



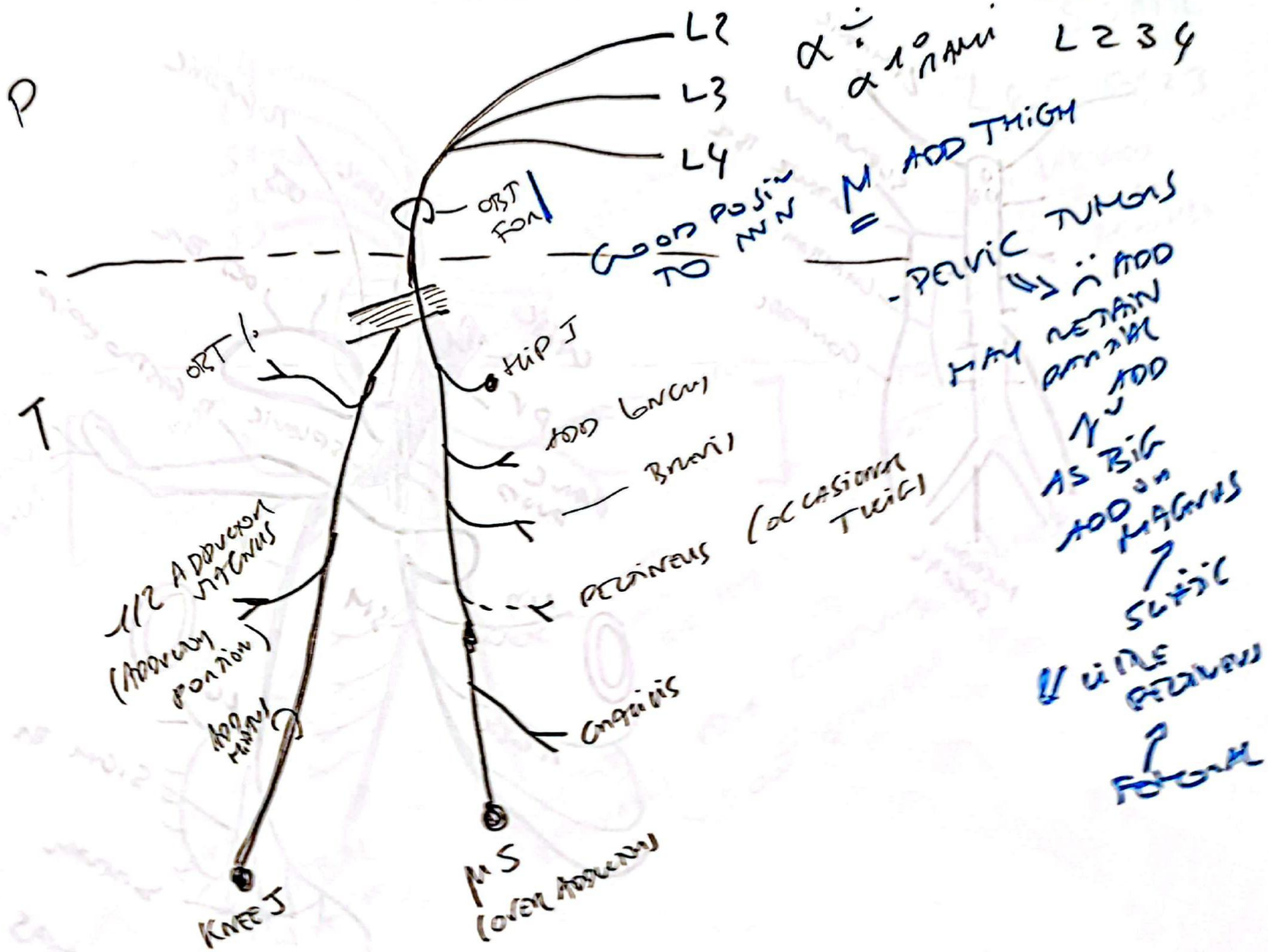

ILIOPSOAS
M
FEMORAL INJ
WEAKNESS KNEE EXTN
HIP FLEXION
SARTORIUS
SCIATIC
BACK THIGH → HAMSTRING M
GLUT M
BR
SCISSOR GAIT
POPLITEAL
PSP FIBULA
MPOPLITEAL
TIBIAL
KNEE FLEXION
CP
SURAL
POPLITEAL M & S
MPLANT M & S
PLANT M & S
MVTS FOOT & TOES
INCLUDING FOOT – INVERSION
& ANKLE – EVERSION
& TOE PHALANGEAL FLEXN
& S PLEXN
NORMAL HUMAN GAIT


ILIAC CREST
SAFE AREA
SCIATIC

FEMORAL
L2 3 4



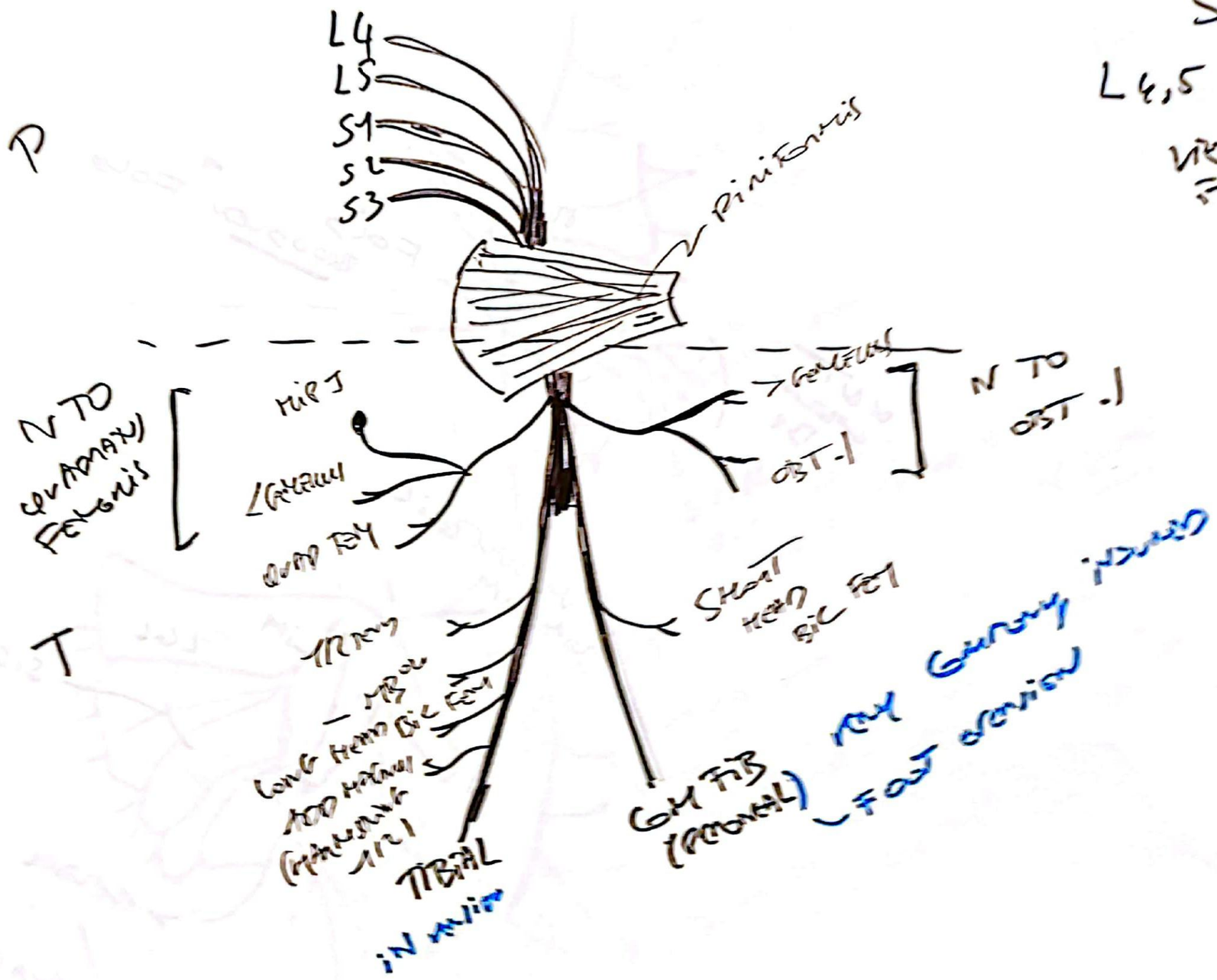
OBTURATOR


L2
L3
L4
α ∴ α 1° ANN
L2 3 4
P
T
OBT FOR
GOOD POSITION TO
M ADD THIGH
PELVIC TUMORS
∴ ADD
MAY RETAIN ADDUCTION
∴ ADD
AS BIG ADD MAGNUS
SCIATIC
WHILE RECTUS
FEMORAL
OBT L
HIP J
ADD LONGUS
BRANCH
PECTINEUS (OCCASIONAL THIGH)
1/2 ADDUCTOR MAGNUS
(ADDUCTOR PORTION)
ADD MINIMUS
GRACILIS
KNEE J
M S
(OVER ADDUCTOR)

SCIATIC

L4,5 S1,2,3

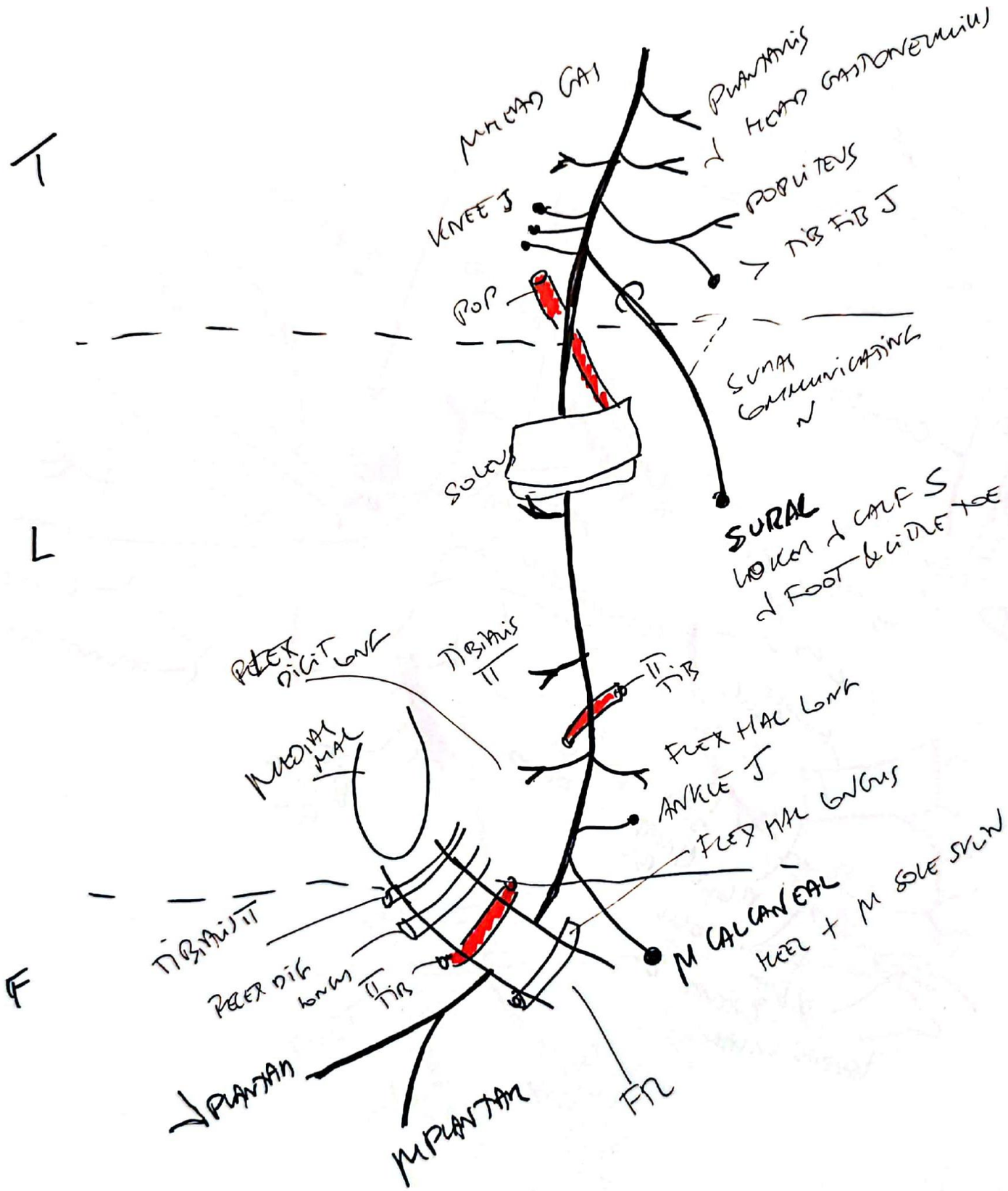
VIEWED FROM BEHIND

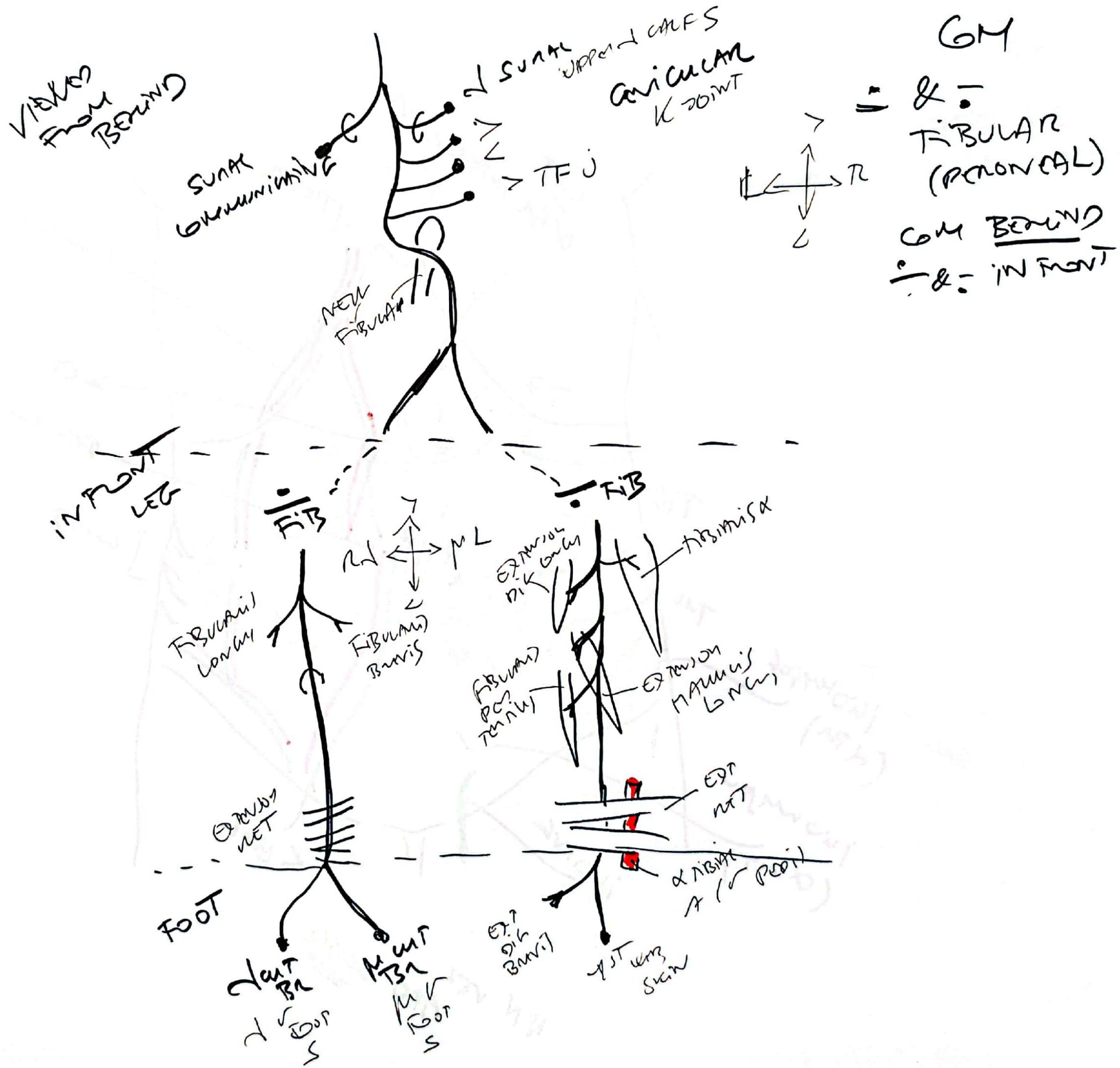


TIBIAL

L4,5 S1,23

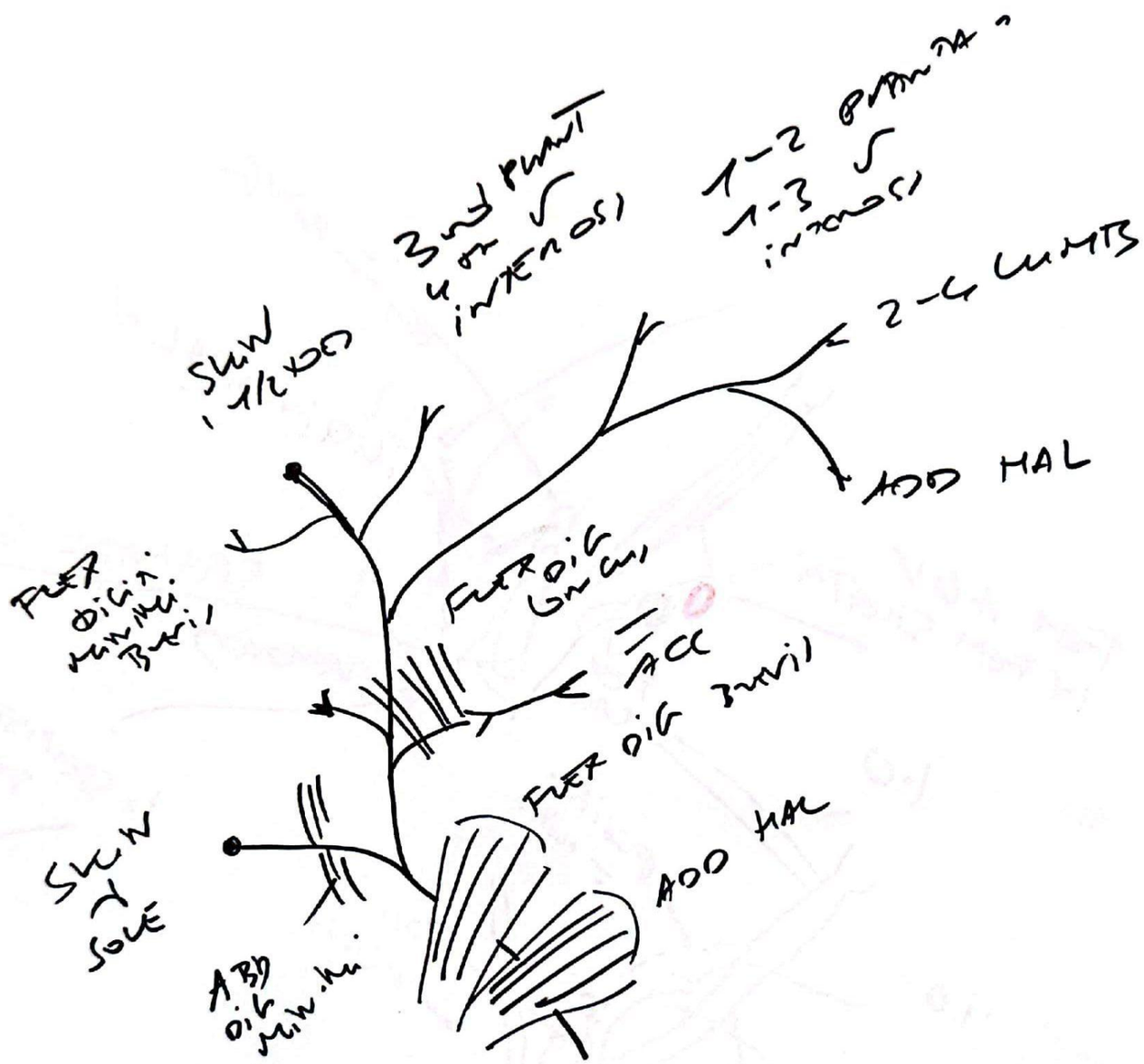
VIEWED FROM BEHIND




VIEWED FROM BEHIND
SUPRA COMMUNICANS
SUPRA
UPPER CALFS
CONDYLAR K JOINT
TFJ
NEW FIBULAR
GM
TIBULAR (PERONEAL)
GM BEHIND
INFRONT LEG
FIB
FIB
FIBULARIS LONGUS
FIBULARIS BREVIS
EXTENSOR DIG LONGUS
TIBIALIS ANT
FIBULARIS POS TERIUS
EXTENSOR HALLUCIS LONGUS
EXT RET
EXTENSOR RET
ANT TIBIAL
FOOT
EXT DIG BREVIS
POST TIBIAL SKIN

PLANTAR
S1, 23

SKIN S1
FMM S2, S3



M QUANTATE
L4 S S1 23
SKIN L4 S
FMM S1,2

EDCOOT
TITUMIS
VERICY
is S2,3