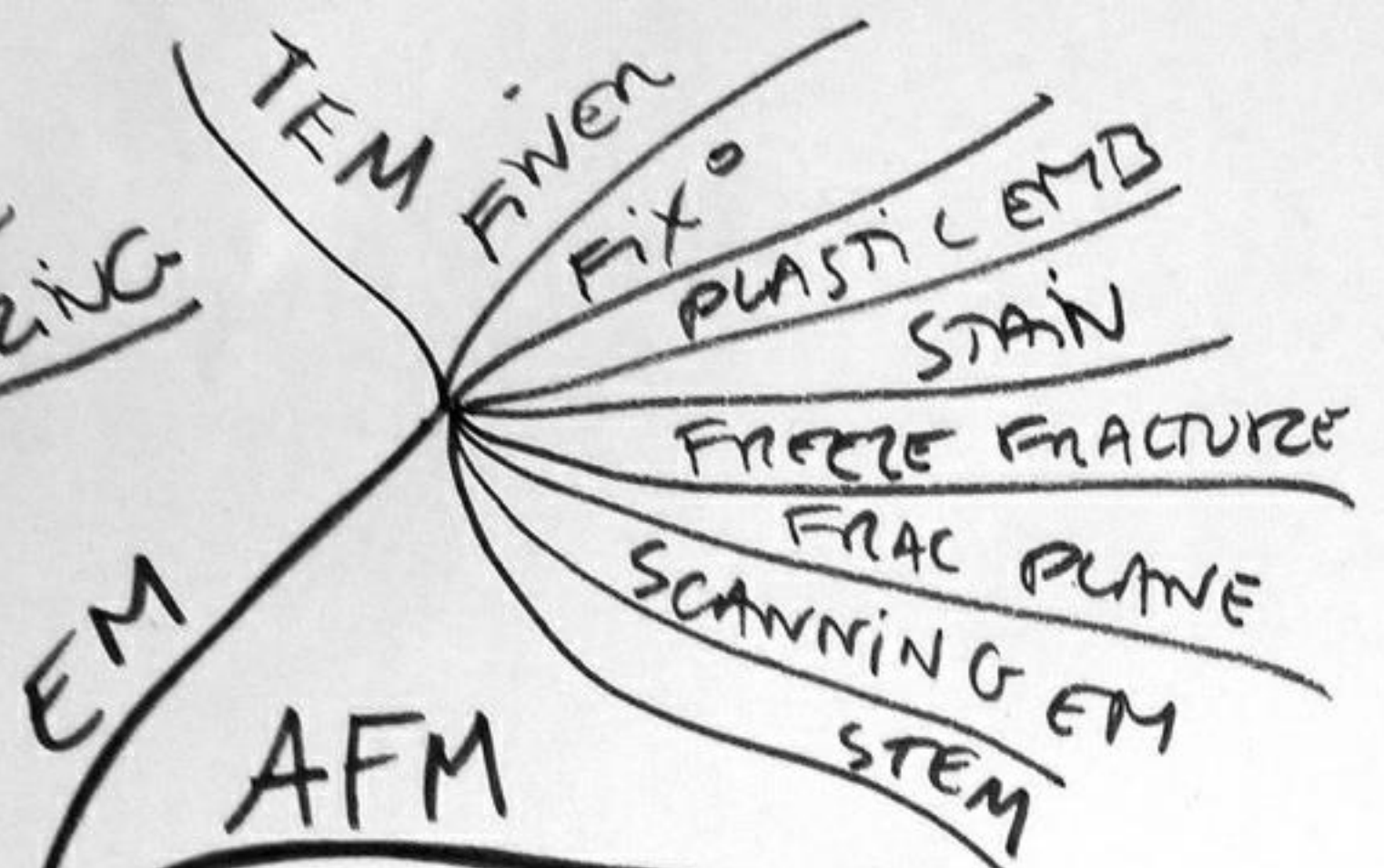
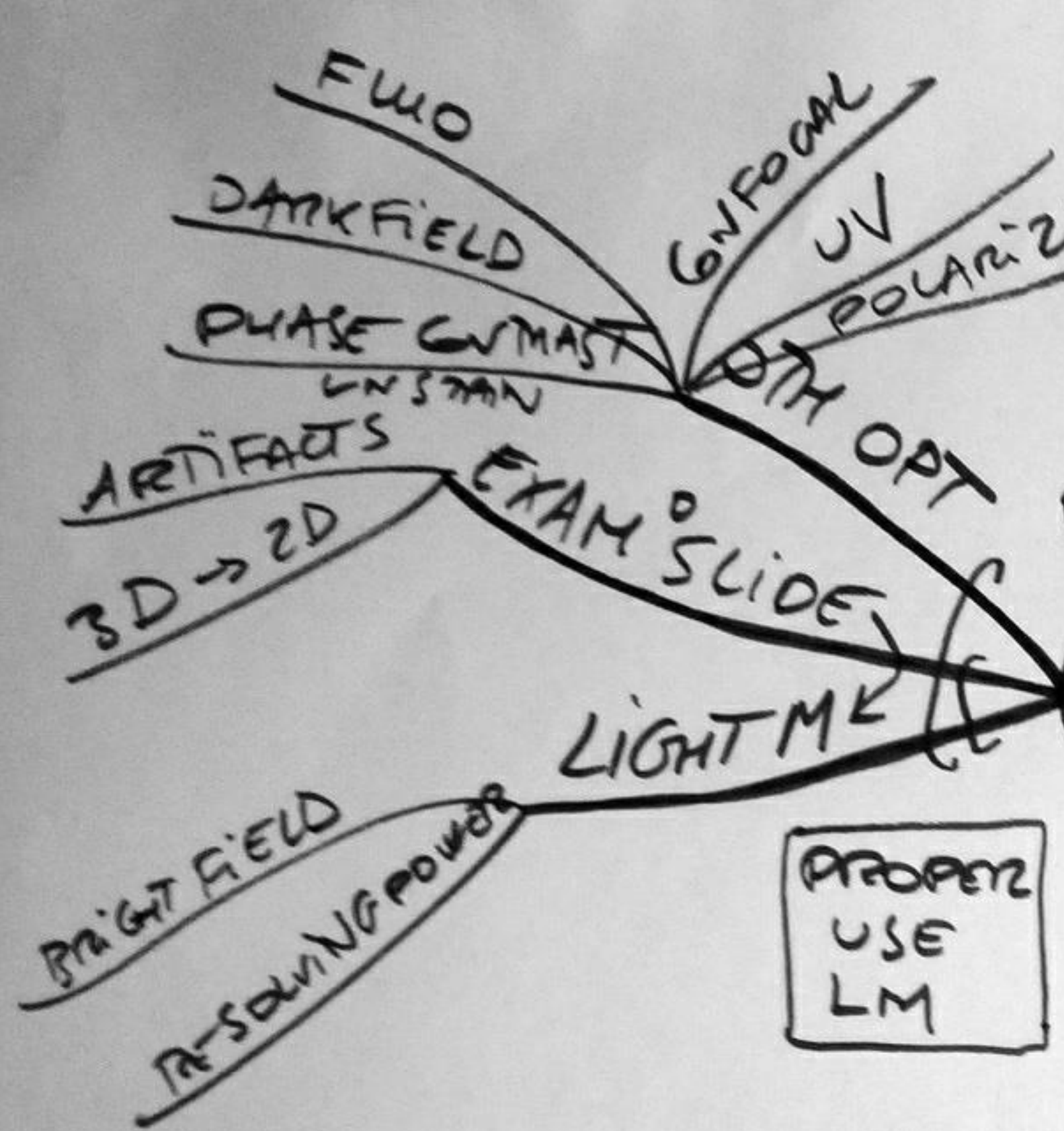
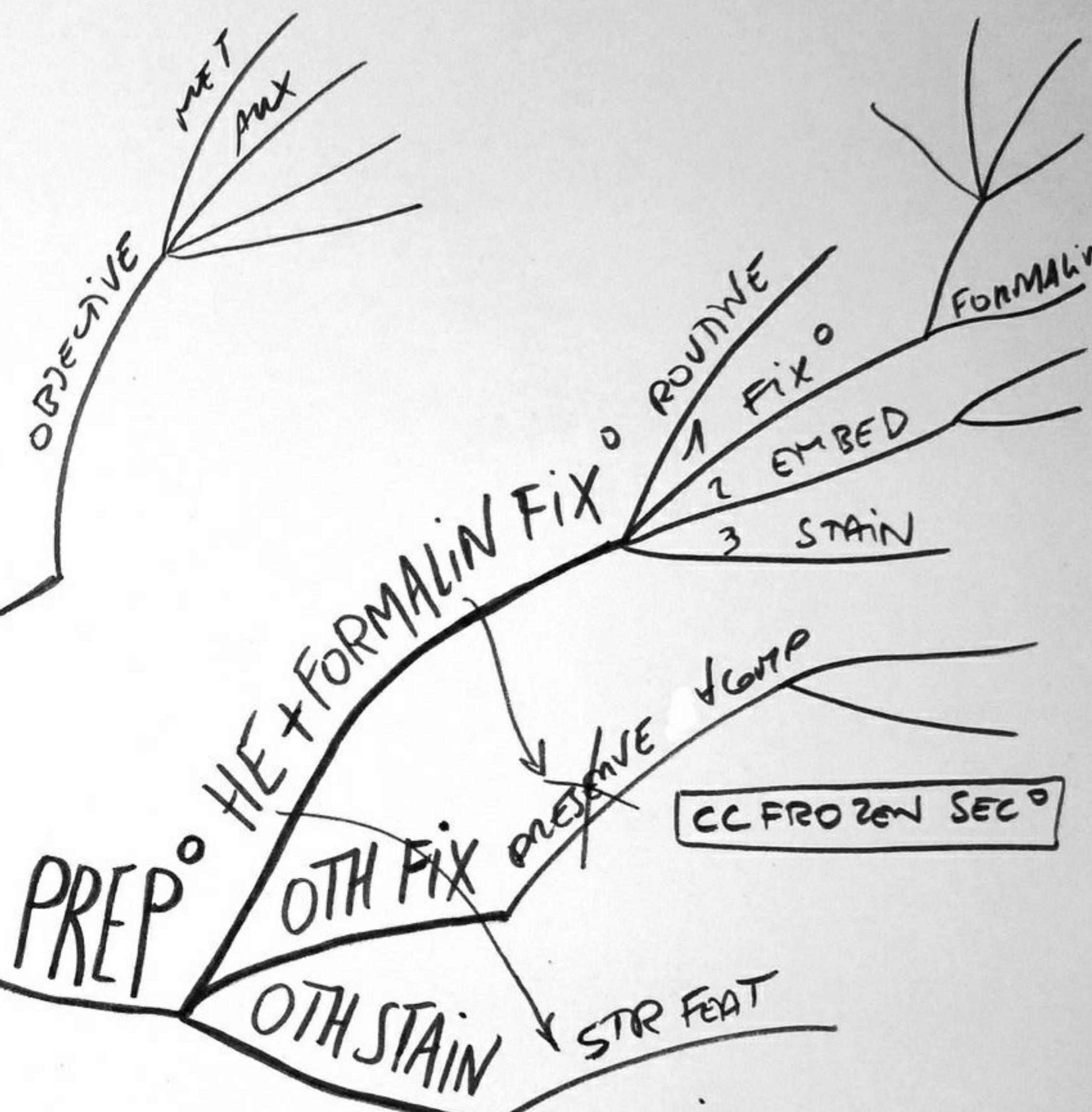


METHODS

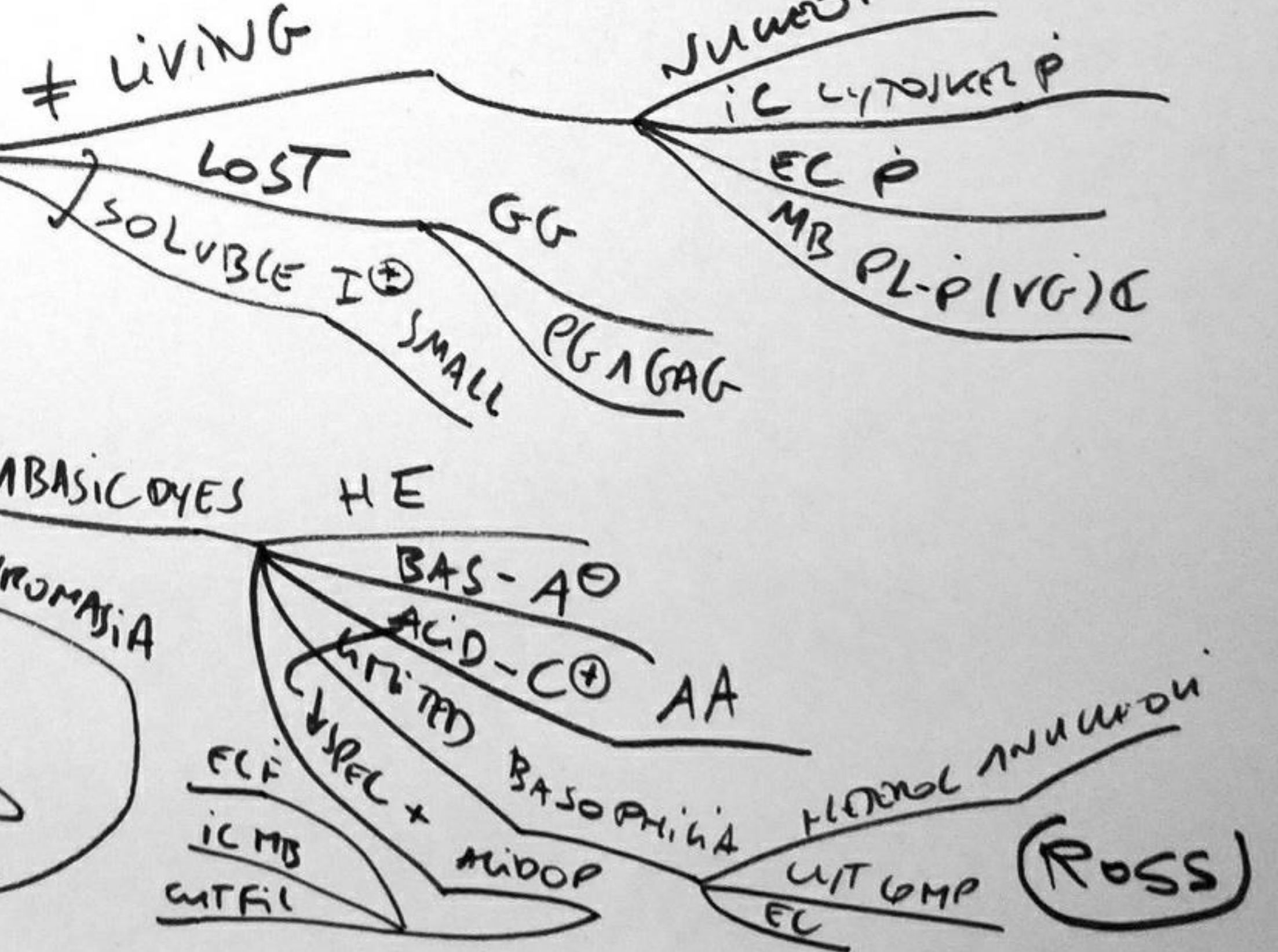
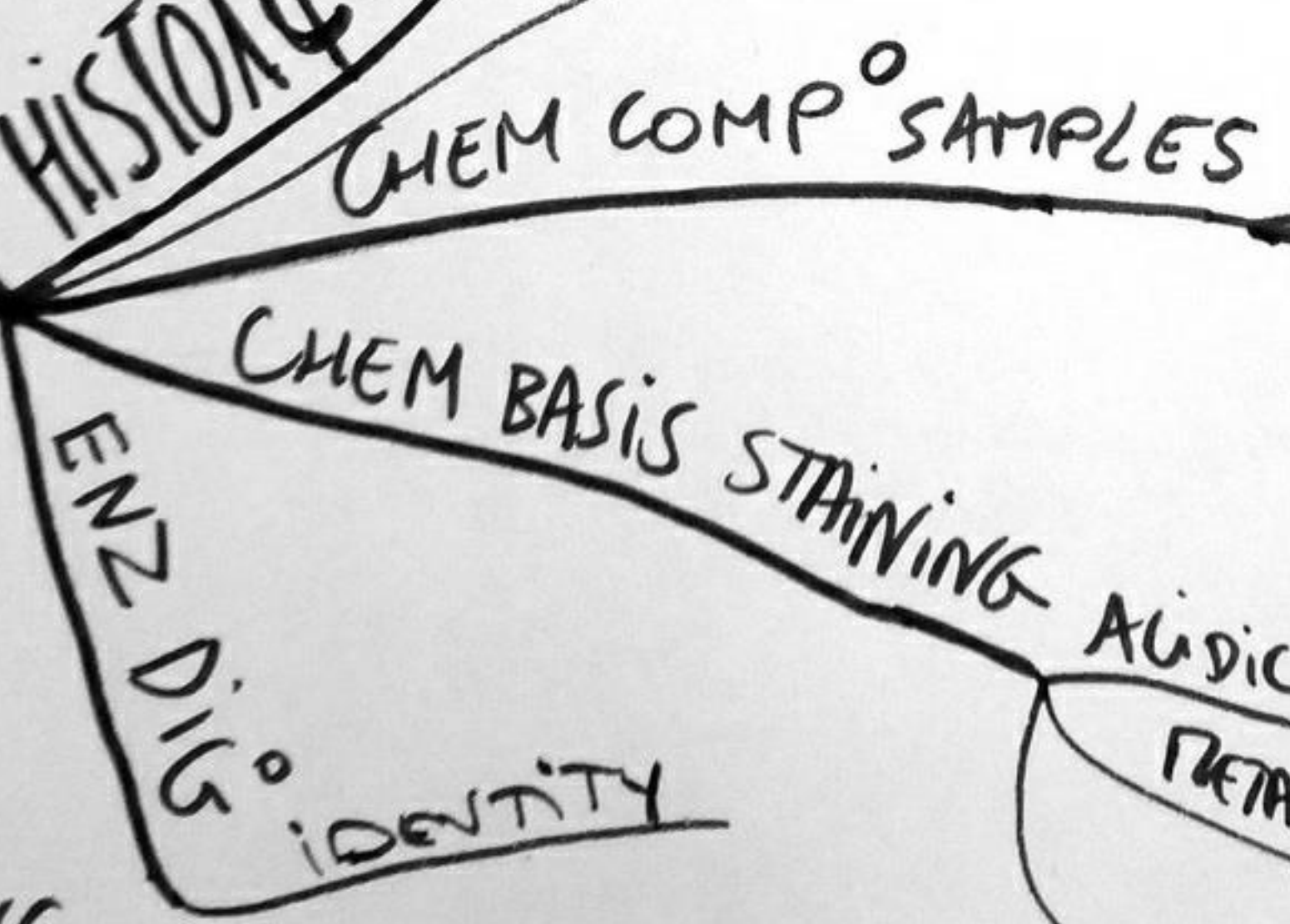
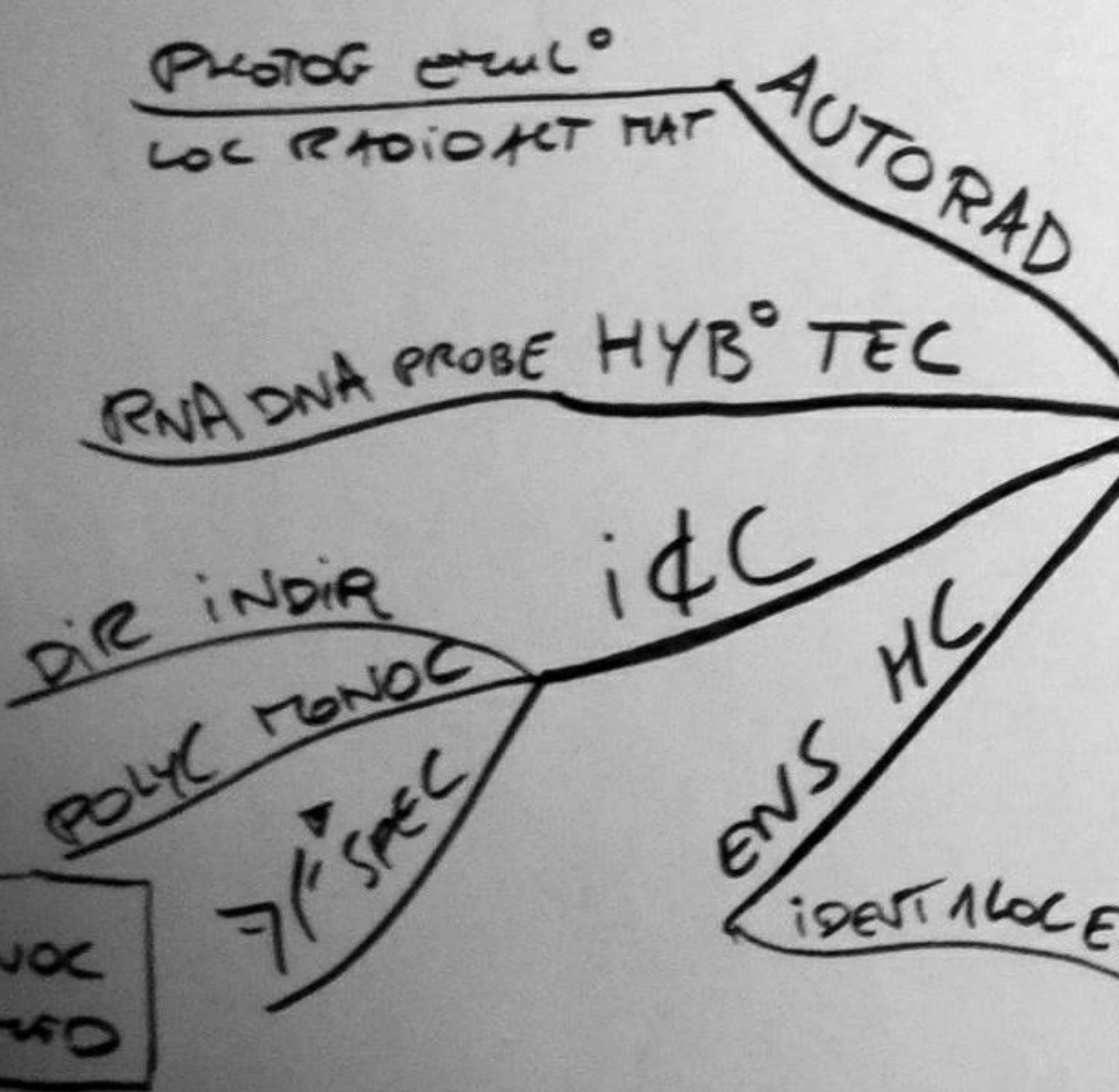
MICROSCOPY



OVERVIEW



HISTO & CHEM



CC FROZEN IN MFD

PROPER USE LM

CC FROZEN SEC^o

FC
FEULGEN
MICROSPETROPHOTOM

ELF
IC MB
WTFIL

MIT GMP
EC

ROSS

CYTOPLASM

MATRIX

- AGGREGATES sizes & SHAPES
- HEMOSIDERIN
- LIPOFUSCIN
- CRYSTALLINE
- PIGMENT GRANULES
- LIPOPROTEIN
- GG

INCLUSIONS

- CC & N DUPLICATION
- METEOROGEN
- POLAR
- EXTENDED PROC
- LOCOMOT
- MOJ
- MOJ
- CAPPING
- SEVERING
- BUNDLING
- ACTIN F
- MT
- MT MF
- MT SHEL
- IC MANIPULAT
- LEN (M) NA ⊕ ⊕
- GROW FROM TUB
- W/IN MTOC
- LONG POLYM
- α TUB
- β TUB
- SINGLE TUB - ROUNDED
- OXIDATIVE ENZ

CC & N DUPLICATION

CC & N MTA F

BAS BOD

- FOCUS POINT
- ANOMAL
- PERI CENT
- VENTRIOLES
- MTOC
- IF
- ORGANELLAS

MB

- MB OUS
- COATED TRANSVESIC
- ENDO
- PINO

ORGANELLAS

PEROXIS (MICROBODIES)

- MITOC
- AEROBIC β
- ENZ (CA)
- 2 TUBS
- KERATIN
- ++ GENERATE EXPOND E

GOLGI APP

- TRANS
- VEI
- APIC CYTOP
- ENDO RWJ
- RADUAT PH
- APIC PH
- POT TRAVELING
- SORTING PACKAGING + SEC

ER

- DETACH ENZ
- NOXIOUS
- SLIGHT AWAY
- TUBULES
- BASE PHENOL
- FRUZE
- REMAIN
- IN

PROTEASOME-MEDIED

- DEGRAD
- REC A TAGGED BY POLYUBIQUITIN CHAIN
- CHARPONE

2 ER

- ↑ SYS PER TRIB
- TRANSC A TRANSLA
- SIGNAL PEP DIRECT POST TRANSP
- ++ SECRETORY
- LOADERS MEDIATE BIDIR
- TRAFFIC

PLASMA

- INTEG P
- NDOM LRAFTS
- MB TRANS P
- VES
- FLUID + PANNUM
- STABLE V
- TRANSIENT

ENDOC

- EXOC
- FLUID + PANNUM
- STABLE V
- TRANSIENT
- PEARLY LATE #
- FOR SORT RECY CLIP
- TARGETING
- DOCKING P NSF SWARE
- CONST PATHW
- REV SEC -
- RE MEDIATED
- PLAG
- PINO

PLASMA

- DUMPS
- CHAN
- R
- LINKERS
- ENZ
- STR
- CARRIER
- CHAN
- INTENSITY
- TRAVEL + GMP EXOC
- ENDO

LYS

- DIGEST
- MB Ω
- PE-RER
- SOME d
- PADRG
- SUBSTRAT
- MAJOR
- MICRO
- CHARPONE

AUTOPHAGY

- CONST
- GOLGI
- 3 PATHW
- ECLARGE
- SMALL
- IC

PEROXIS

- FATE INT L-R
- CC LYS
- STOR
- DIS

PROTEASOME-MEDIED

- DEGRAD
- REC A TAGGED BY POLYUBIQUITIN CHAIN
- CHARPONE

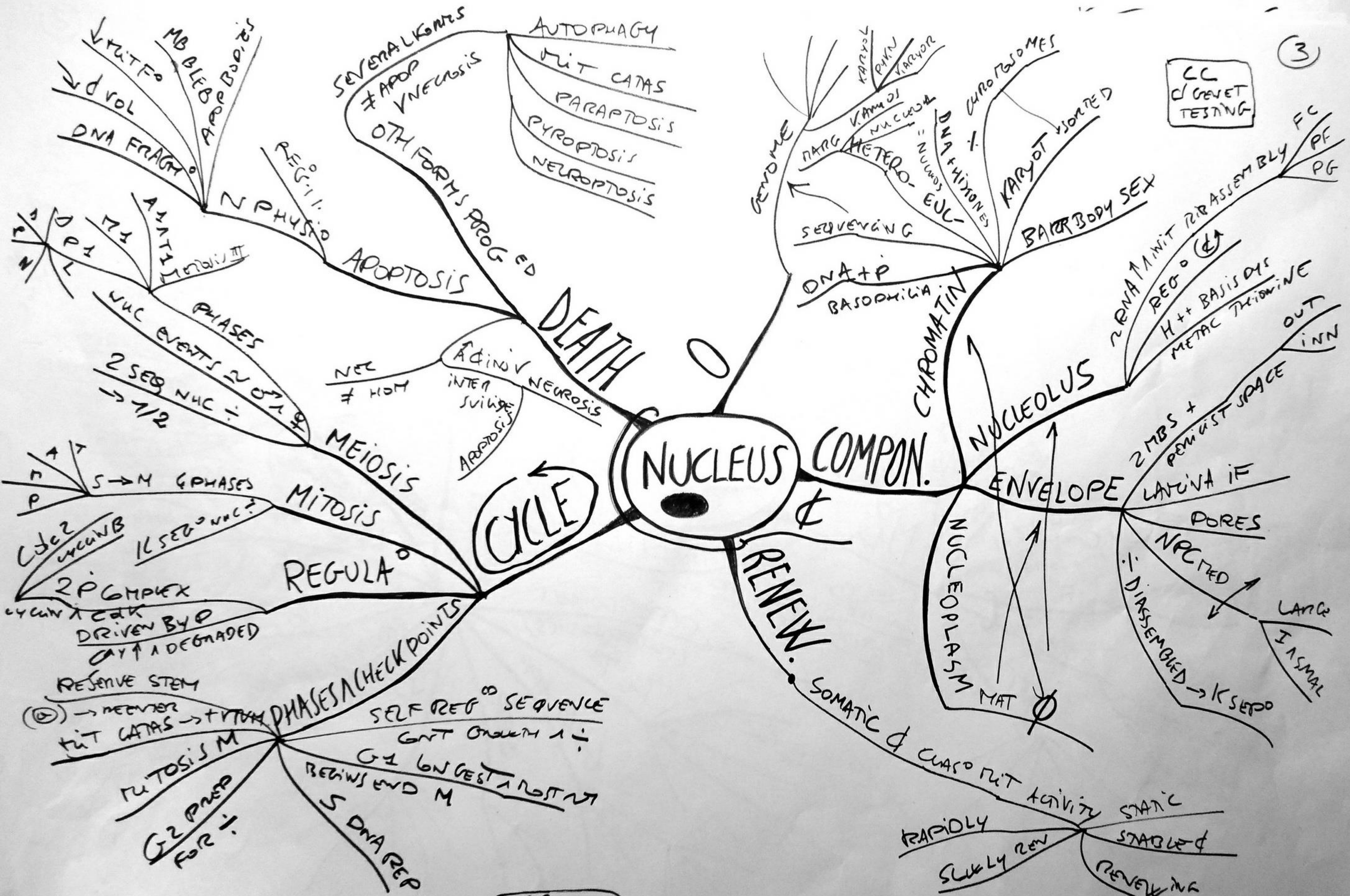
2 ER

- ↑ SYS PER TRIB
- TRANSC A TRANSLA
- SIGNAL PEP DIRECT POST TRANSP
- ++ SECRETORY
- LOADERS MEDIATE BIDIR
- TRAFFIC

PLASMA

- DUMPS
- CHAN
- R
- LINKERS
- ENZ
- STR
- CARRIER
- CHAN
- INTENSITY
- TRAVEL + GMP EXOC
- ENDO

(ROSS)

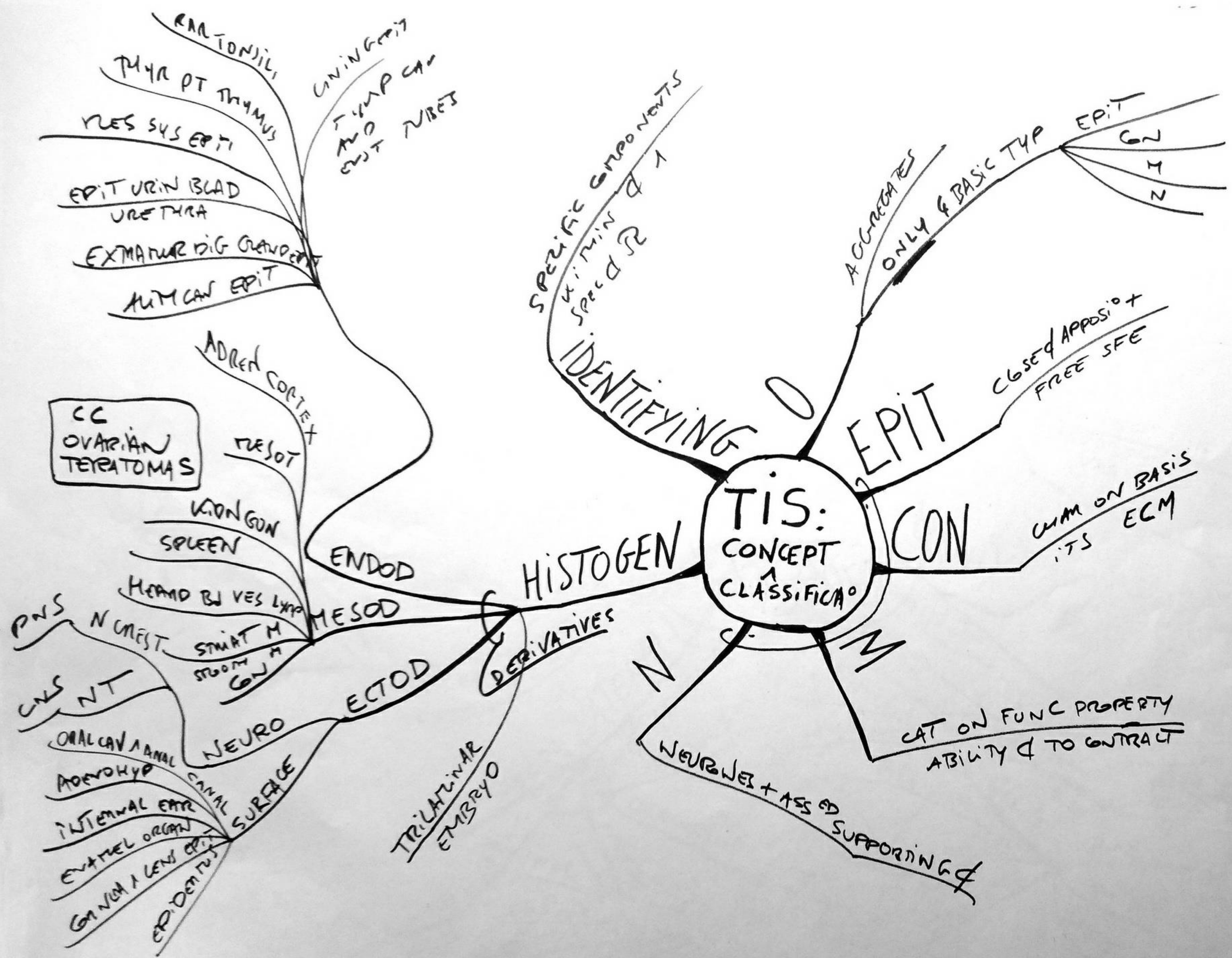


CC
C/ GENET
TESTING

(3)

CC
REGO (C)

(ROSS)



FC
Mucous /
Serous MBS

Glands modified
by glands - can
SPECIAL SIT^o FACE / SPE
= EPITHELIOD
SECRET BARRIER
EXTERNAL CW / CN

FINITE LIFE SPAN
MUCUS / SEROUS
ETOC CLAS^o
EXOC
RENEWAL OVER STRATIFUNG
GLANDS

SIMPLE
STRAT
SQUAMOUS
WB
GL

PSEUDO STRAT^o
TRANSIT
EN = SPEC CLAS^o
SQUAM EPIT LUNING
VAS 1 BOD CAV
FO
ENDOT
ENDOC
MESOT
SEC^o
ABS^o
TRANSP^o
PROTEC^o
P

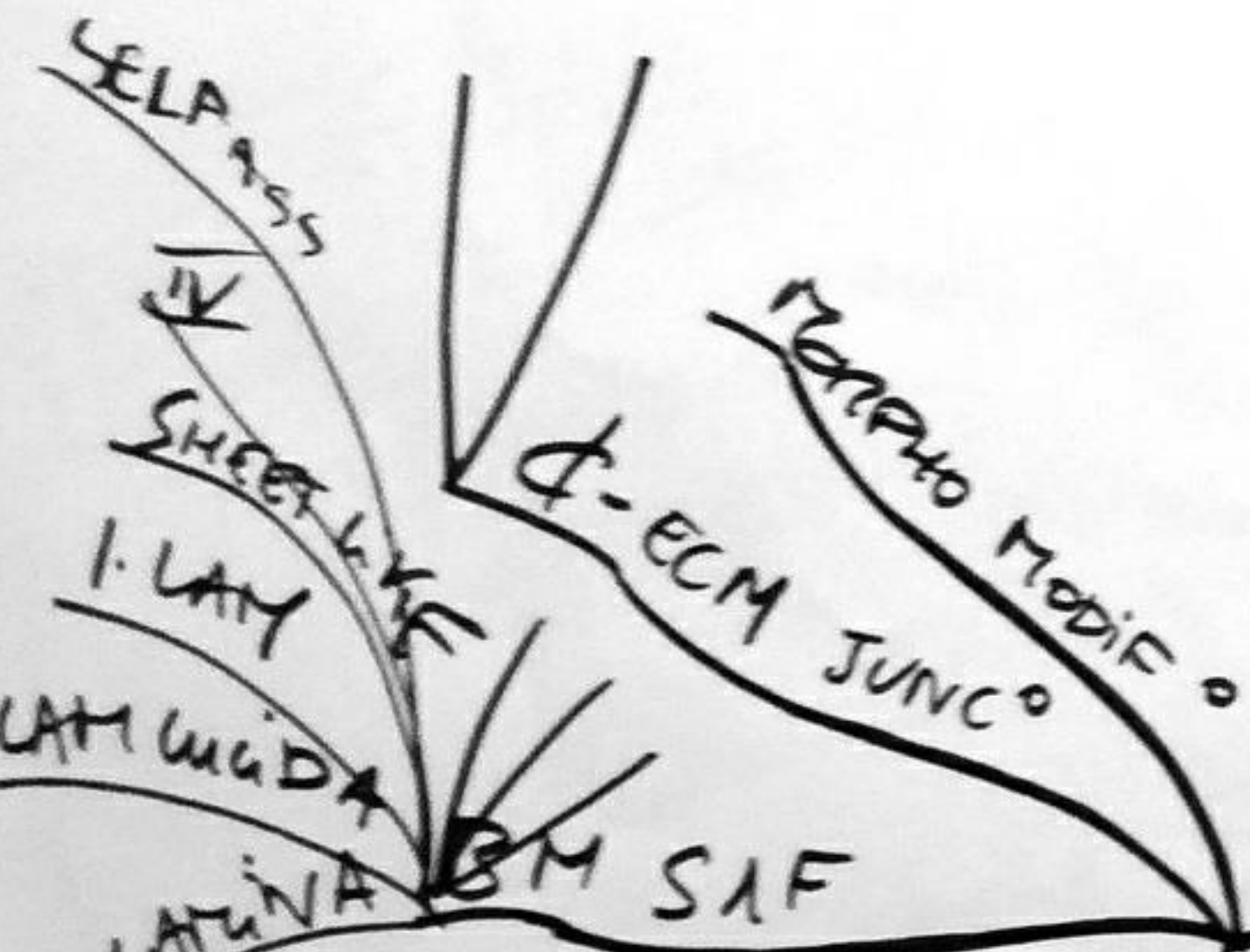
CC
EPIT
METAPASIA

EPIT

POLARITY

BASAL

APICAL



FC
BM 1
BLAMINA
TERMINOLOGY

ADHESION
SPECIALISAD
LATERAL
ADHESION
JUNCTIONS

MODIFICA^o
+5!
SYNCHRONOUS
MICROVILU
STEREOCILIA
CILIA
VILLI
FINGER LIKE WIT PROJEC^o POST
1 STR CORE ACTINF...
UNUS LONG IMMOBILE
SEVS EAR

PLICAE
MORPHO SPEC^o
COMMUNICATING
GAP
MAC
FASLIA
Z ADH
ADHESIA
FUNG DOM
PERMEAB

ANOMORPHING
OCCURRING
MVT... ATP
BB 1 BB ASJ
SM ANOMORPH
AXONEME
CLAS
MOTILE
MOTILE
NODAL
CC
CILIA
DYSGINESIA
JUNE @
AS TARGET PG AGENTS

CC
CILIA
DYSGINESIA

(ROSS)

CONNECTIVE TISSUE

GEN STRA FUNC
EMBRYON. PROPER

ECM

ADULT STEM CELL PERIOD

- VASC PERIOD
- NICOTINE LC
- VARIOUS TISS ORG
- CC MAST & BAS IN ALLERGIC R.
- STORE NORMAL FAT 1 HOR PUD
- ADIPOC
- BAS
- RESIDENT
- WANDERING
- LD PC 10TH SI
- LD IR
- HELMET T BINK
- PC
- EOS PNOG
- W ALSO
- WASO
- MESENCHYME → CN
- EMB WITHIN UMBILICAL CORD
- MUSCLES

LTCH
ECF ANCE
SER PROTEASES
HERP
HIS

TNFA
IL 5368-6
SMY CSF PGR2

SEC PRODUCTS
(RED IFM)
GAMMA GLOBULIN

++ SKIN ATUC MBS
BM → GN

MAST

MACROPHAGES

FIBROBLASTS

FIBROBLAST

MYO

CC COLG WOUND REB

FIBROBLAST

PHAGOC

LARGE COLG REM ORG
TUC SEC VET AND RING

PC MPS

MYO FIBROBLAST
SHC

FIB PRINCIPAL

MYO

CC COLG WOUND REB

MULTIADHES P
STABIL ECH
A LINK & SPES

FIBROBLAST

AMININ
TEVASLIN
STROPOZIN

ECM

REC STR 1 EC GMO

FIBERS COL 1 FIBRILS

EMBRYON. PROPER

- LOOSE F + Q ++
- DENSE
- IRREG F + Q -
- REG ARRAY F
- TENDONS
- LIGAMENTS
- ATRONEUROSES

ELASTIC

RETICULAR

BIOSYNTH & DEGRAD

FIBERS COL 1 FIBRILS

- FIBERS MOST ABUNDANT
- FIBRILS 68-nm BANDING
- MULTIPLE HELIX 3 IN 1
- CLASS IDENT BASIS FIBRILLAR
- POLYMO PATTERN
- BAS MB
- MULTIPLE XING
- TRANS MB
- HEXAG NETWORK-FORMING
- FACETS

PG = GAG - GREF

HYALURONAN FREE CH WIDTH

GAG PHYS PROPERTIES

GROUND SUBSTANCE

GAGS PO MULTIAADHESIVE

↑ BY FIB 1 VASC STROTH M & MAJ VENT LIGAMENTS

LAR 1 ELAS 4A

P RELATED UNUSUAL

PUMP BACK BONE

→ RANDOM GILING → STRETH 1 DISTEN

FIBRIN-1

ELASTIN

NAMED FOR ARRANGT FRAMEWORK FOR Q CONSTITUENTS

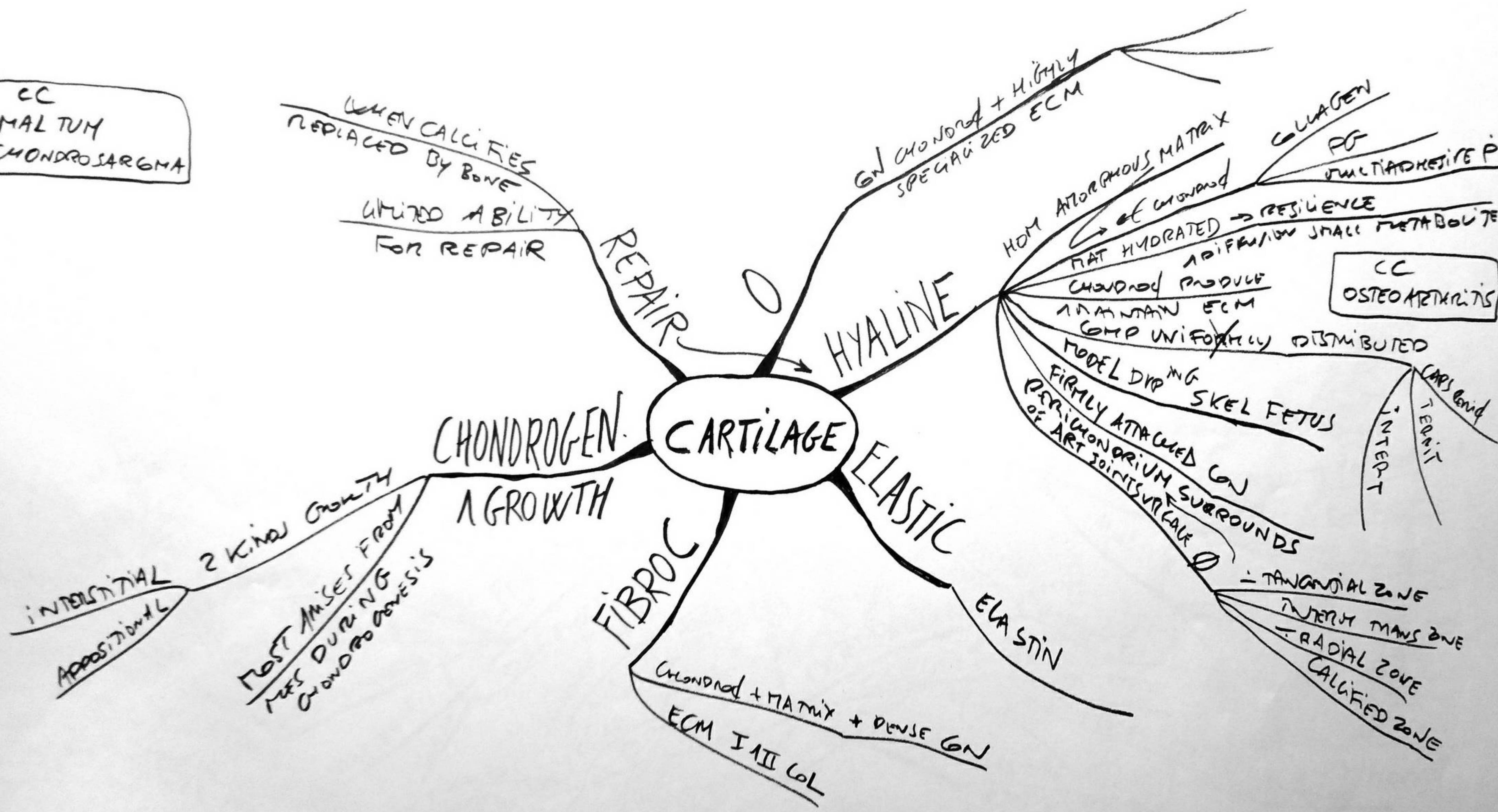
CC SUN EXPOSURE 1 M CHANGES IN PHOTOAGED SKIN

BIOSYNTH & DEGRAD

- DEGRADATION BY
- WPHAGOC
- ↑ TRANSIENT
- GN 1 ENT C
- FIBROBLAST
- IC
- FIBRILS EC
- MORE THAN ONE TYPE

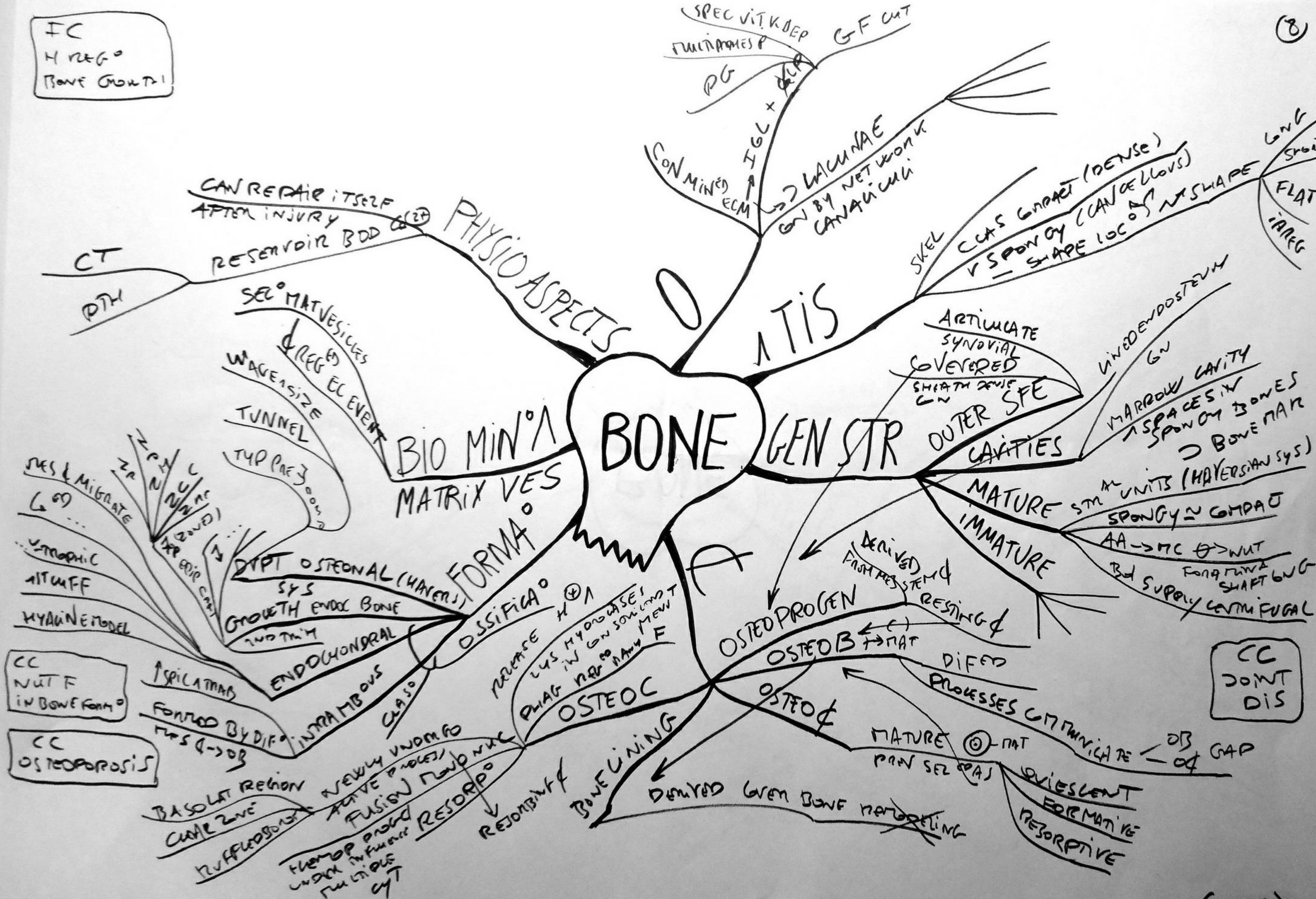
CC COLLAGENOPATHIES

CC
MALTUM
CHONDROSARCOMA



FC
H REG
Bone Growth

BONE GEN STR



ADIPOSE

BROWN

WHITE

DIF ADIPOC

STRATIS

CON E HOM
2 TYP

UNILOCULAR
B (MULTILOCULAR)

ESTORAGE INSULIA^o
WASHING VIT OR
SEL^o HOR

HGF UTOX

RES STER^o & UNAM GNT
PPARY/RXR TF
BFGW FOR TUBWAY
THROUGH FET DVPT
EARLY LIPOB ~ FIB
BUT DVPT SMALL
LINE A THIN LAM
MIDSTAGE BEING
OVOID AS I ACCUM
AND DIM
MAKE SKELETON
UNILOC ADIPOC LARGE LINE
THIN LAM
LTOP

REGULAD

AMOUNT 2 SYS

ONE ASS
OTH

ST KIGHT REF^o
LT

CHREIN APP VV
GNT APPETITE
AS PART OF

DEPOS^o 1700^o 2 METHR
TSY NORMAL 14 F
24 LOPN 11NS

CC
PET SCANNING
BROKEN INTERFERENCE

MET → HEAT = THERMOGENESIS

D.K FROM PLS & SAM
GNT PROHIB/PHC
TF + GAT
++ MAX GAIN PLAN
ADULTS
MULTILOC
NUMEROUS FAT
DROPLETS

CC
TUMORS

CC
OBESITY

CC
CELLULARITY
BONE MARROW

BLOOD

ACTIVE
SINUS SYS
RED
BONE MARROW

PLASMA
ALB GLOB FIBRINOGEN
SERUM = CLOT FACTORS
INTERSTIAL FLUID CN DERIVED
EXAM & SPEC PREP & STAIN

ANUCLEATE BICONCAVE DISCS
SHAPE MAINTAINED BY DPB
Hb TRANS O₂ & CO₂
INTEGRAL PERIPHERAL
A
A₂
F

CC
4 BO 1
R & B D
GROUP
SYSTEMS

CC
Hb IN
PATIENT
WITH
DIABETES

CC
Hb
DISORDERS

FcR
CRs
SPs
(ROSS)

ERYTHRO

LEUKO

NEUT
EOS

BAS

MONO
LYMP

FORMA^o

HEMOPOIESIS
EARLY EMB DVPT

THROMBO
M&P
APC

ERYTHRO P
MONOPHYLETIC THEORY

THROMBO P
KINETICS
120 DAYS
TURNS

GRANULO P
BIPOTENT
THROMBO P

LYMPHO P
MONO
CLP
CLP
RESERVE
2 WEEKS

TF
BAND
TBM MYELOID
MYELOID
PROMYELOID
MYELOBLASTS

CC
Hb BREAKDOWN
AT A V DICE

NOT NUM WBCS
HIGH GRANULE &
STYP GRANULES
MOTILE & LEAVE CIRC
ACTIVE PHAGOC UTILISE
VARIETY SFE R
PHAGOC TO NEOP B 1
ON THE AGENTS
KILL @ SITE IFM

PHAGOC
DANGER BUT ENZ BURST
ALSO MOW & PHAGOLYSE
RES BURST
ANTIBIOP

LARGE REFRACTIVE GRANULE
ALLERGIC PANIC
A CI

TOXIC
LARGE REFRACTIVE GRANULE
ALLERGIC PANIC
A CI

TOXIC
LARGE REFRACTIVE GRANULE
ALLERGIC PANIC
A CI

TOXIC
LARGE REFRACTIVE GRANULE
ALLERGIC PANIC
A CI

INH
CC
NEUT
CGD

AZUR
SPEC
AZUR
SPEC

FOU MAST
LEAST NUM
< 0.5%

T B ≠ SFE M
3 FUNK TYP T B NK
SIZE EVERYTHG
DAN FUNK LSV
IMM SYS

HSC
GMP
TAP
MB
SUN BCLUT REPAIR
4 ZONES
SHALL DISQUARD
A VAC PHAGOCYTOSE
MAY A VAC OF

POLYCL
OLIGOCYTIC
POLYCLONAL
BANDS

THROMBO P
KINETICS
120 DAYS
TURNS

GRANULO P
BIPOTENT
THROMBO P

LYMPHO P
MONO
CLP
CLP
RESERVE
2 WEEKS

TF
BAND
TBM MYELOID
MYELOID
PROMYELOID
MYELOBLASTS

ACTIVE
SINUS SYS
RED
BONE MARROW

FC
COMPARISON
3 M TYPES

FC
MUSCLE NOT
1 ISC

MUSCLE

SMOOTH
REVIEW REPAIR ADIF
FUNC ASPECTS
SEC UN MATRIX
N TERMINALS ...
SLOW PROLONG
"LATENT STATE"
STR
T DSKA DESIN VITENIN IF

STR
T DSKA DESIN VITENIN IF
ACTIN
CALMODULIN
MYLCK

CARD
ABLE TO DIVIDE
INI 1 REPAIR
STR
LIES C &
NUM LARGE MITOCH
STONES ADJACENT
INTERCALATED DISCS
GAP
SOME NUCLEI
PROGENITORS
MYOBL
EARLY
LATE

CC
MYASTHENIA
GRAVIS

FC
SLIDING
FILAMENT
MODEL (ROSS)

SCLE
MYOFIBRILS
FILAMENTS
CONTRACT CYCLE

CONTRACT CYCLE
ATTACHMENT
RELEASE
BENDING
F₂ GENO
REATTACHMENT
RETS
DEPO T TUBULE MB
MOT INNERV
SENS INNERV
SPINDLE
NMS
RELEASE AD
MU

CC
DYSTROPHIES
N 1
ASJP

DVPT REPAIR HEALING
RENEWAL
MYOGENIC ST
DEVELOP EXP
VARIOUS MYOBL
REG F

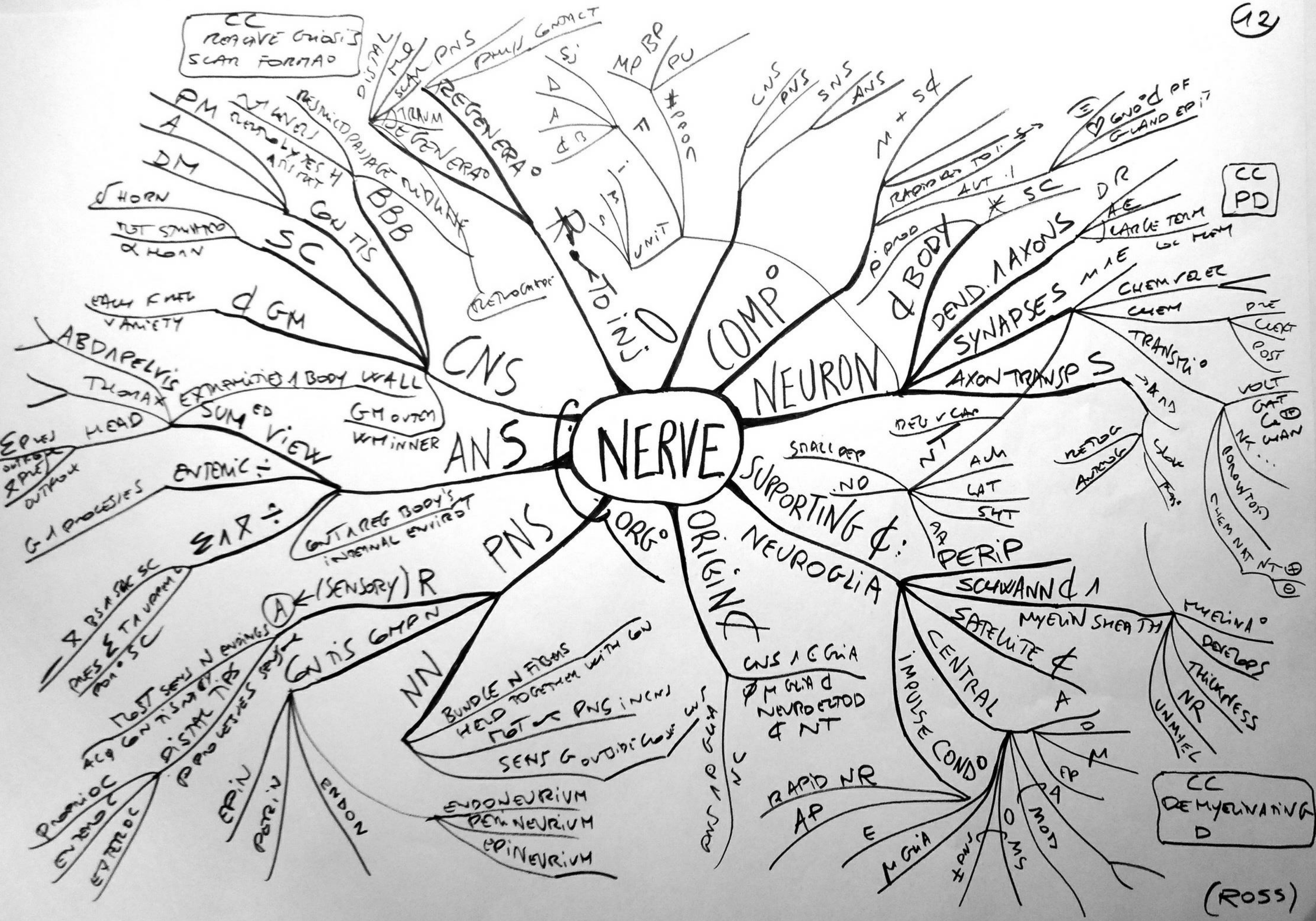
ACCPOSE
ALIGNMENT
GNT - SARC
MYOF =
MYOFILAMENT
RESPONSIBLE FOR GNT
CLAS APPRECIABLE
MYOGENIC SYNTHESIS
STIMULATED BY GNT
SPEED GNT ENZ VARIATION
I SLOW OXID
II FAST

MYOGENIC SYNTHESIS
STIMULATED BY GNT
SPEED GNT ENZ VARIATION
I SLOW OXID
II FAST
III -
ENDOMYSIUM
PERIMYSIUM
EPIMYSIUM
STRIATED
SMOOTH
SKELETTAL
VISC
CARDIAC

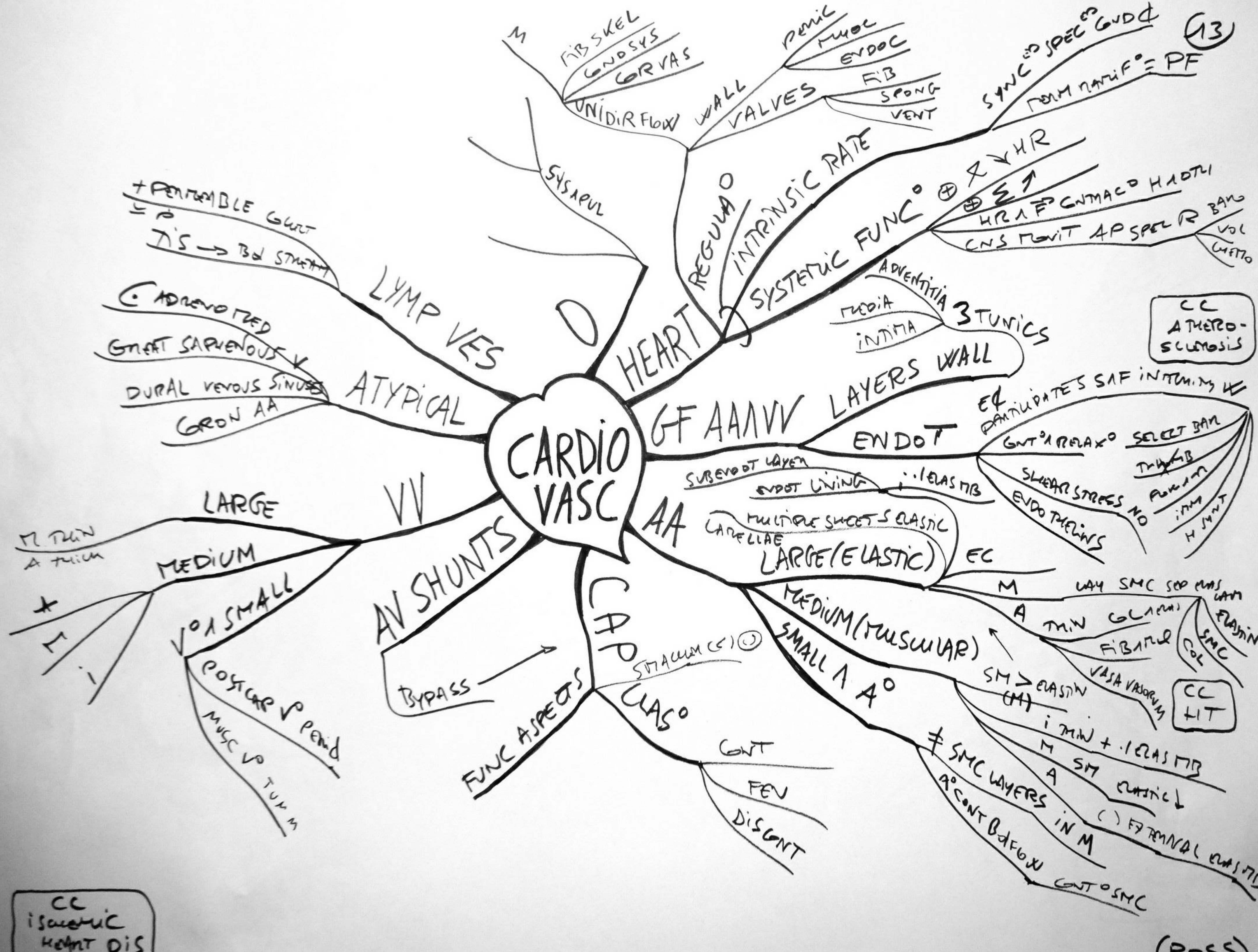
F-ACTIN
TROPONIN
TROPOMYOSIN
ATRIUM
DENSITY
FU SARCOMERE
2-2
CROSS-STRA
BUNDLES MYOFILAMENT
SARCOMERE
MF = MYOFIBRIL

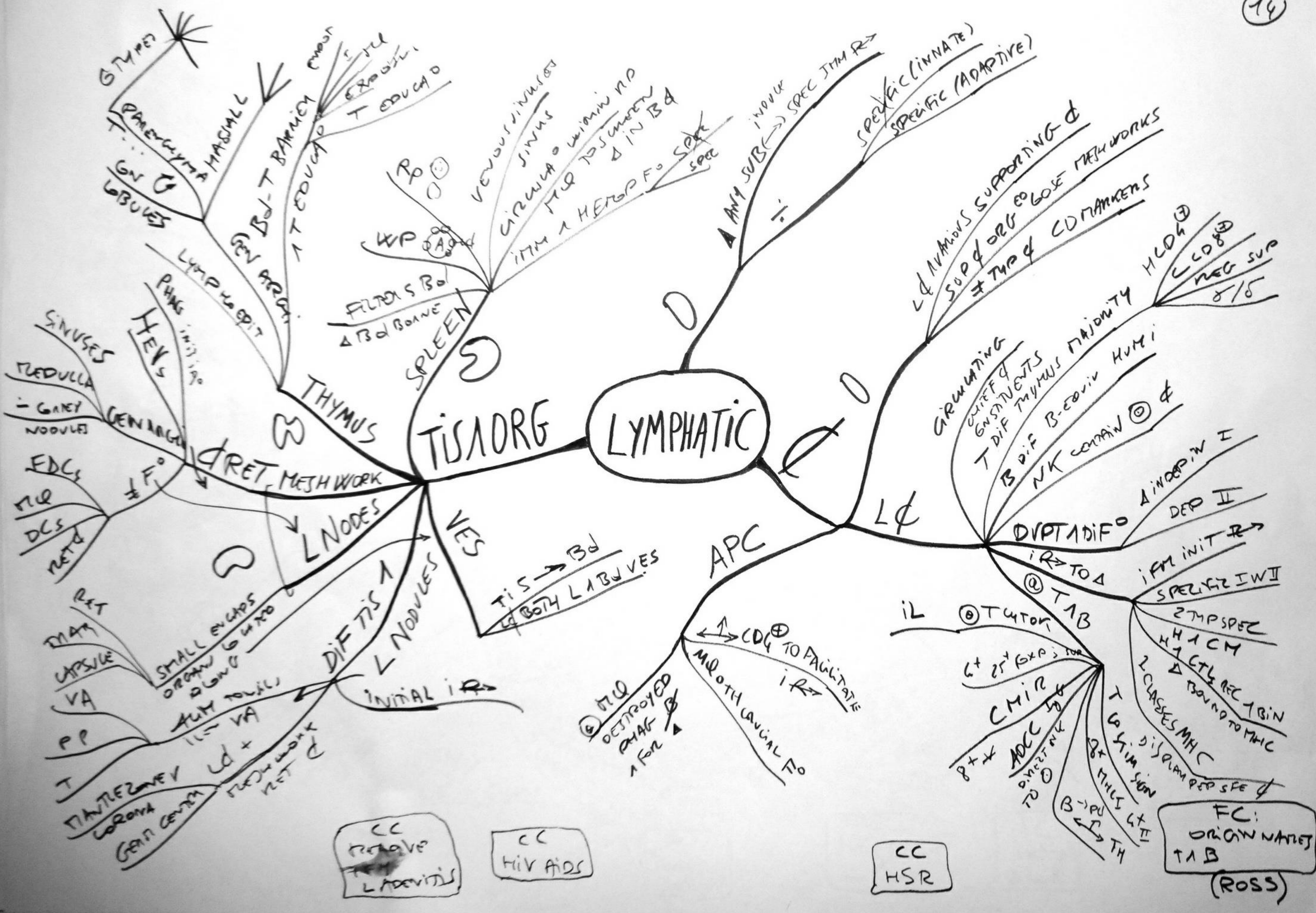
TIT
ACTIN
MYO
CP
DISTS

NERVE

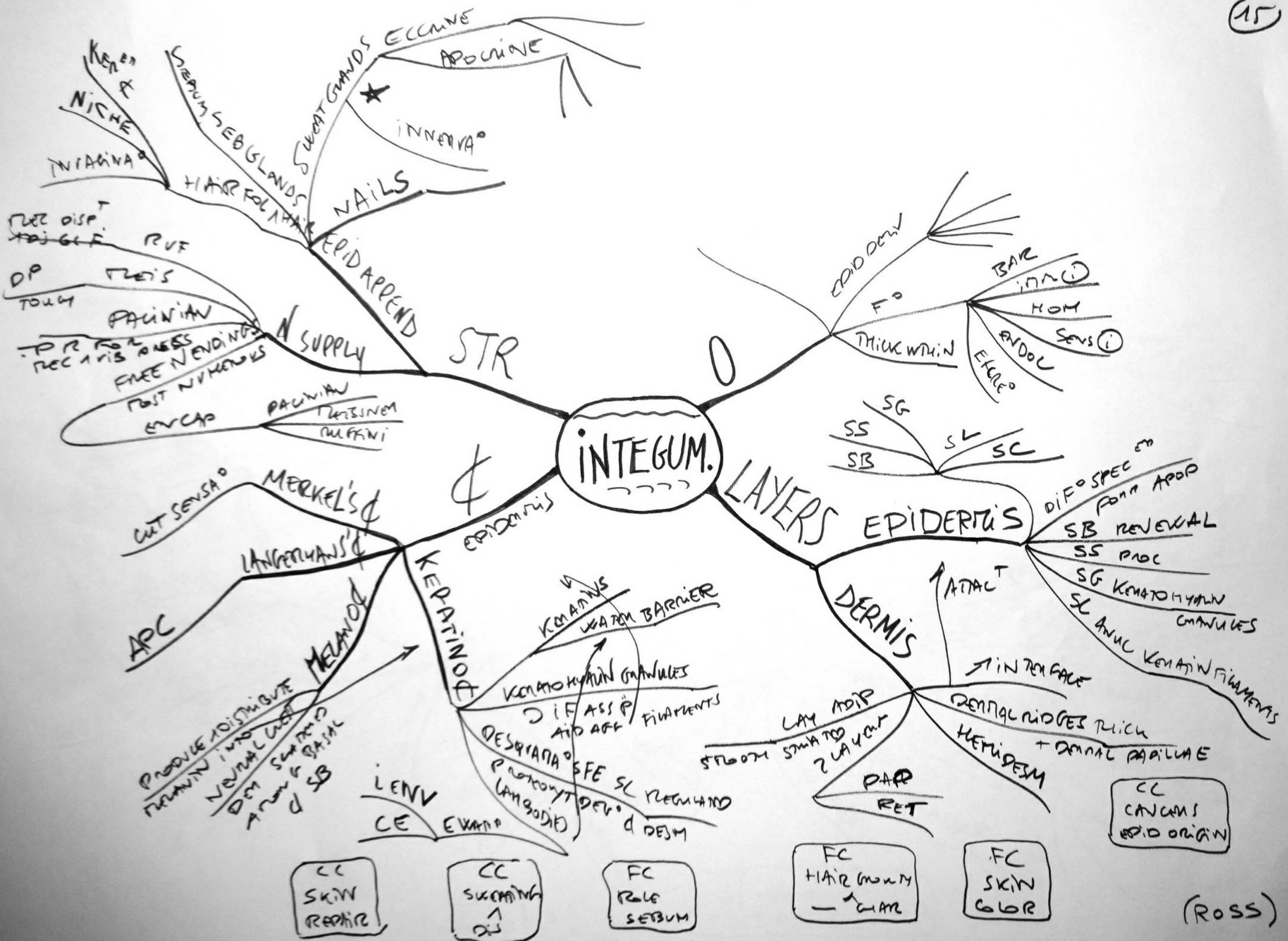


CARDIO VASC





INTEGUM.



CC SKIN REPAIR

CC SUCRININ

FC ROLE SEBUM

FC HAIR GROWTH -> CHAIR

FC SKIN COLOR

CC CALCINUS EPID ORIGIN

(ROSS)

CC SALIVARY GLAND TUMORS



CC SALIVARY GLAND TUMORS

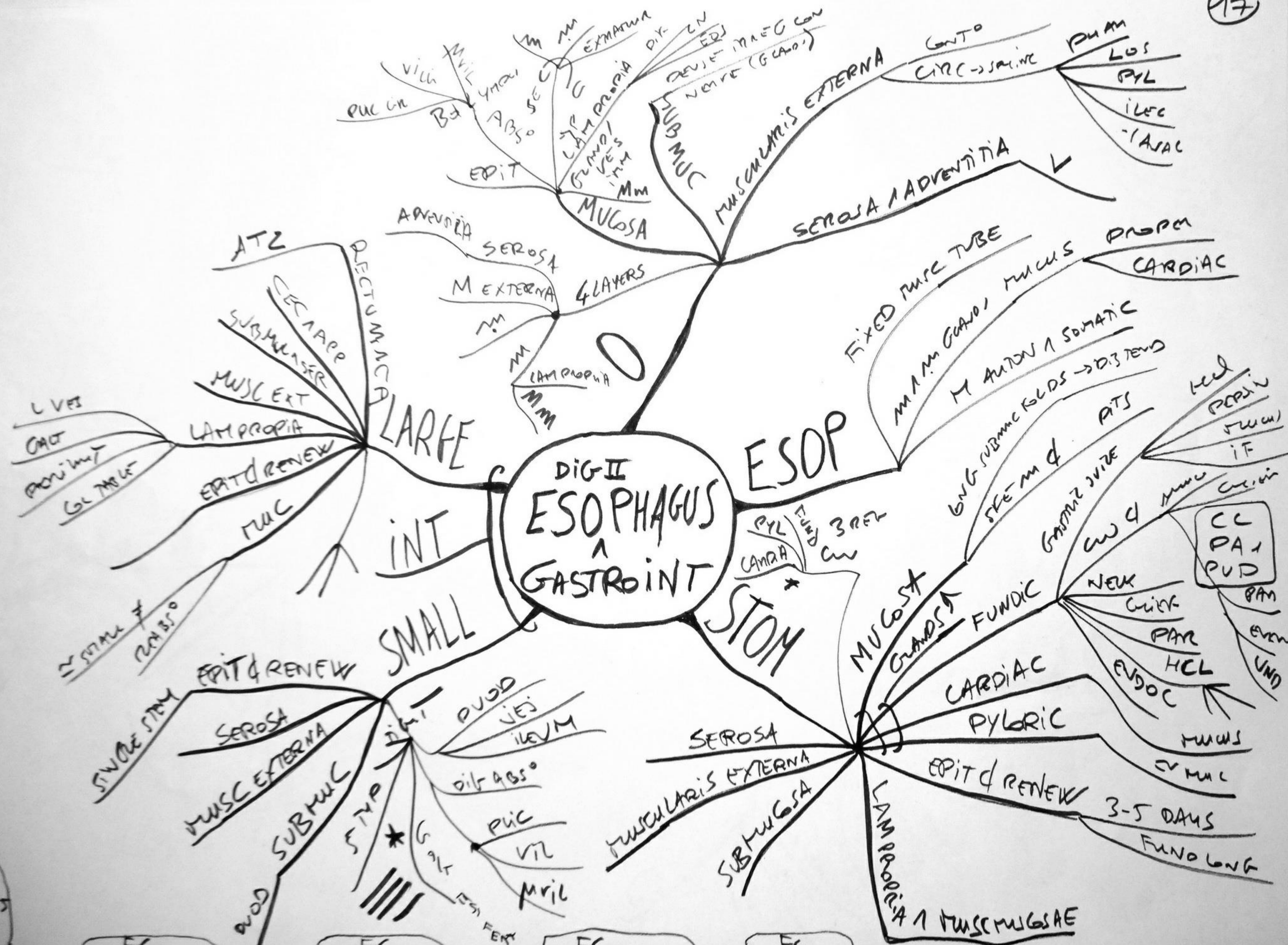
CC CARRIES

CC CANS PERMANENT & INDIVIDUAL DENT

CC GENETIC BASIS TASTE

(ROSS)

DIG II ESOPHAGUS & GASTROINT



CC
PATERN
LYMPH VES
10 IS
LARGE

FC
IMMUNE F°
A CH CANAL

FC
DIG I ABS
FO ENTEROC

FC
GI ENDOC SYS

FC
ZOL-ELL
SB

(ROSS)

DIG-III
LIVER
GALLBLADDER
PANCREAS

LIVER

GALLBLADDER

PANCREAS

PHYSIO

STR. ORG.

HEPATO

BIL TREE

LYMP

ENDOC

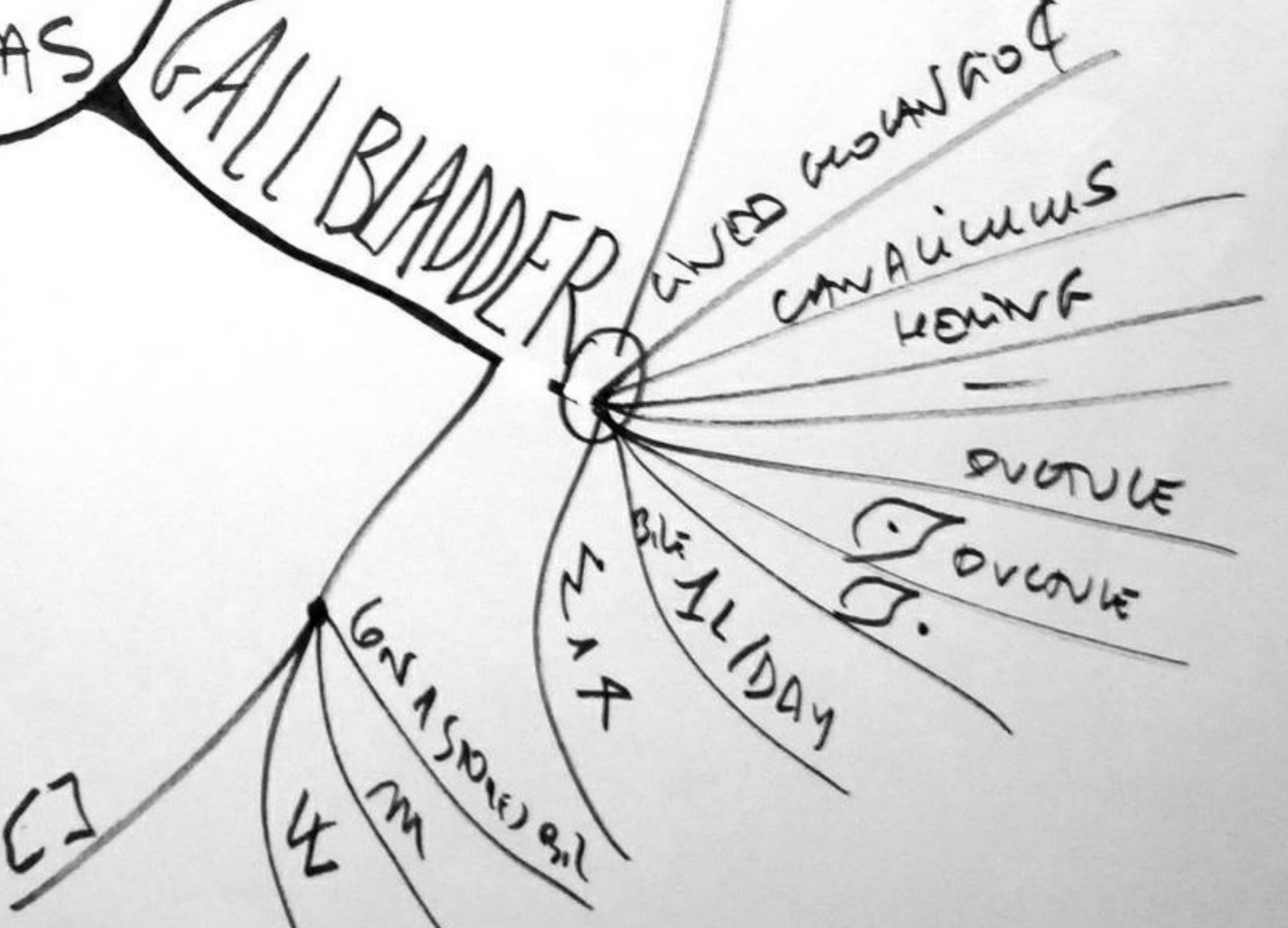
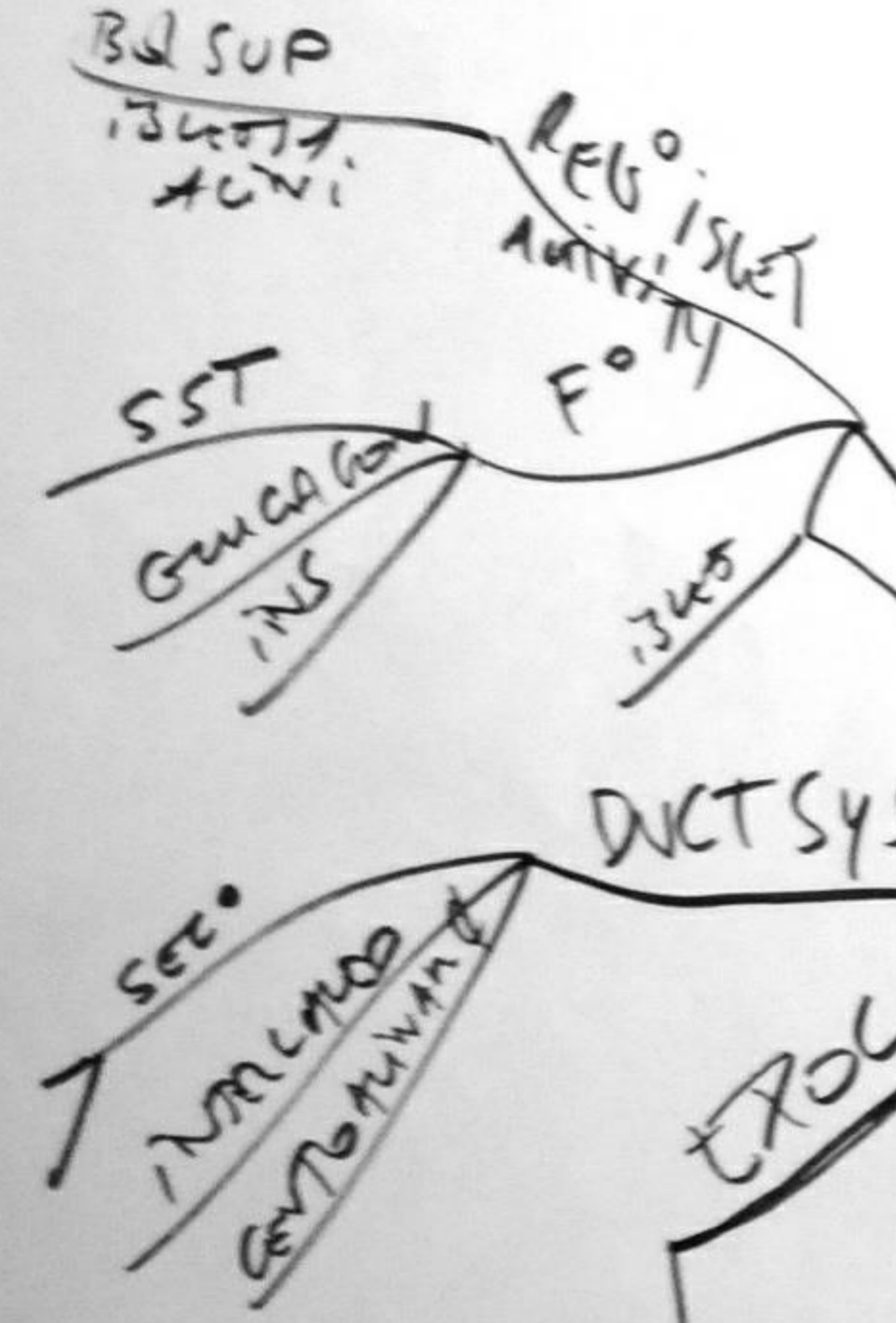
DUCTS

EXOC

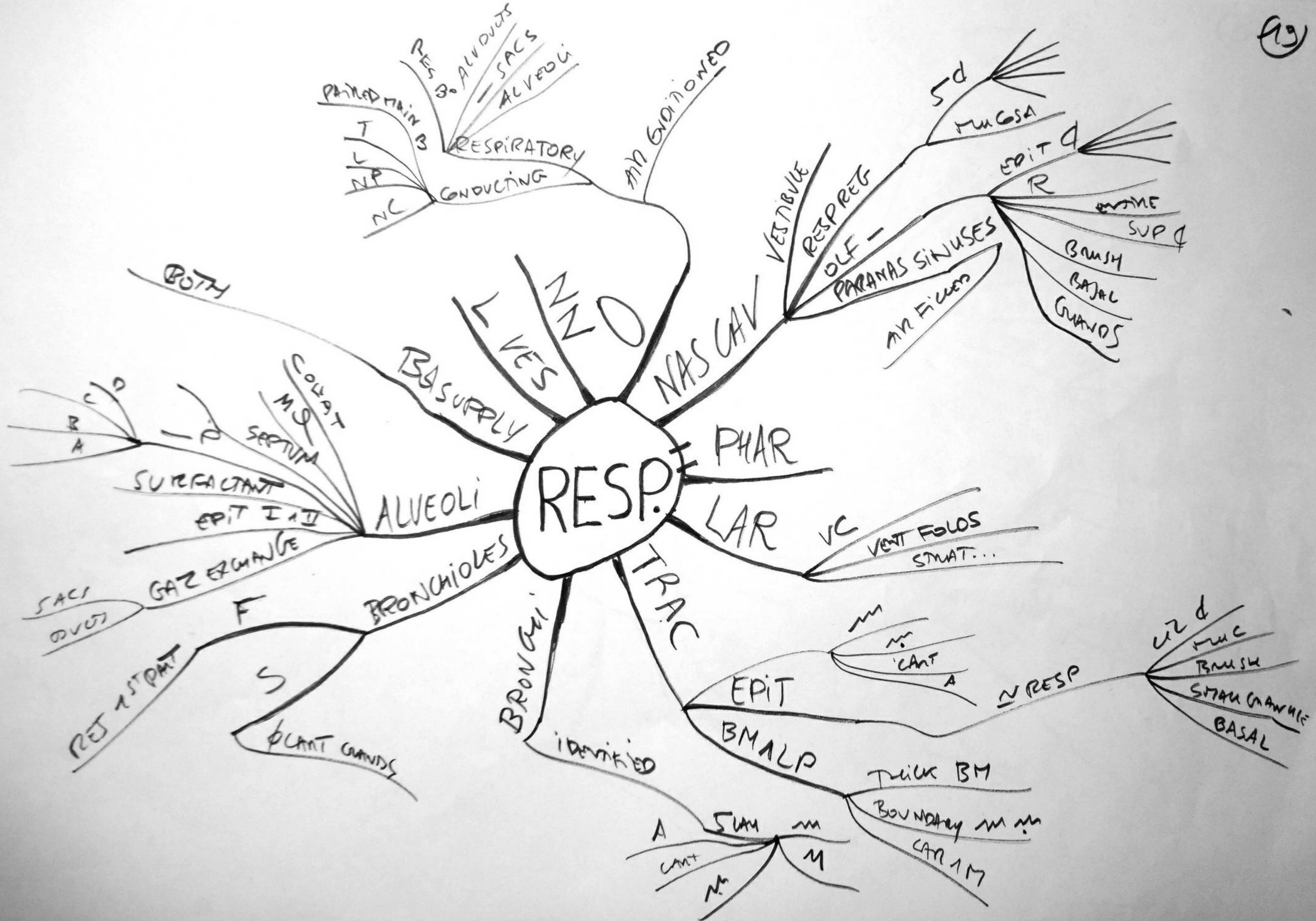
CC LP

FC
INS SYNT
ER POSTTRANS
PROCESING

INS P₁
10



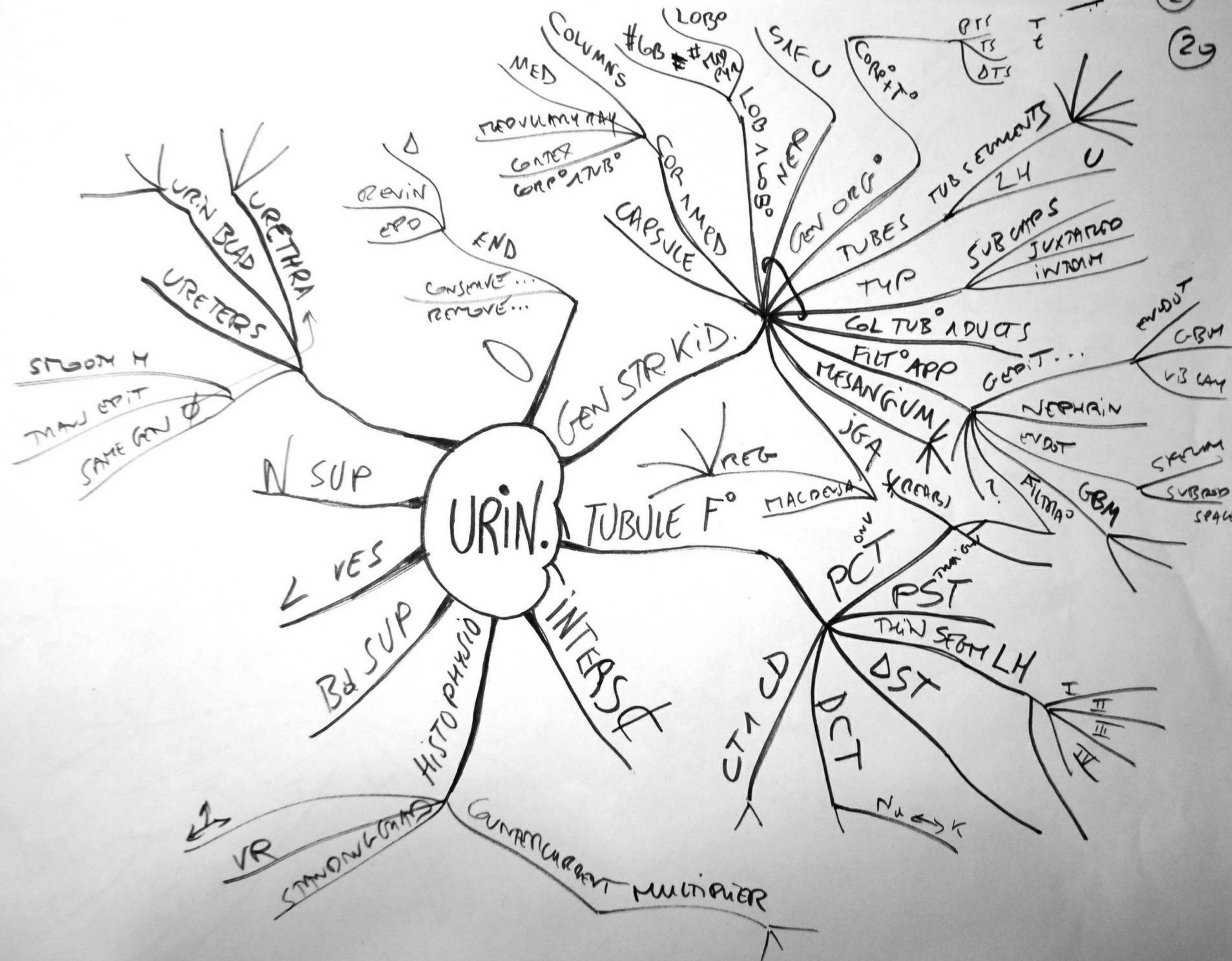
CC
LUF
LIV NEC



CC
EMPHYSEMA
PNEUMONIA

CC
CF

CC
SQUAMOUS
METAPLASIA



EC
KIDNEY
CDF

FC
SIF
ADUAPORN H₂O GAN

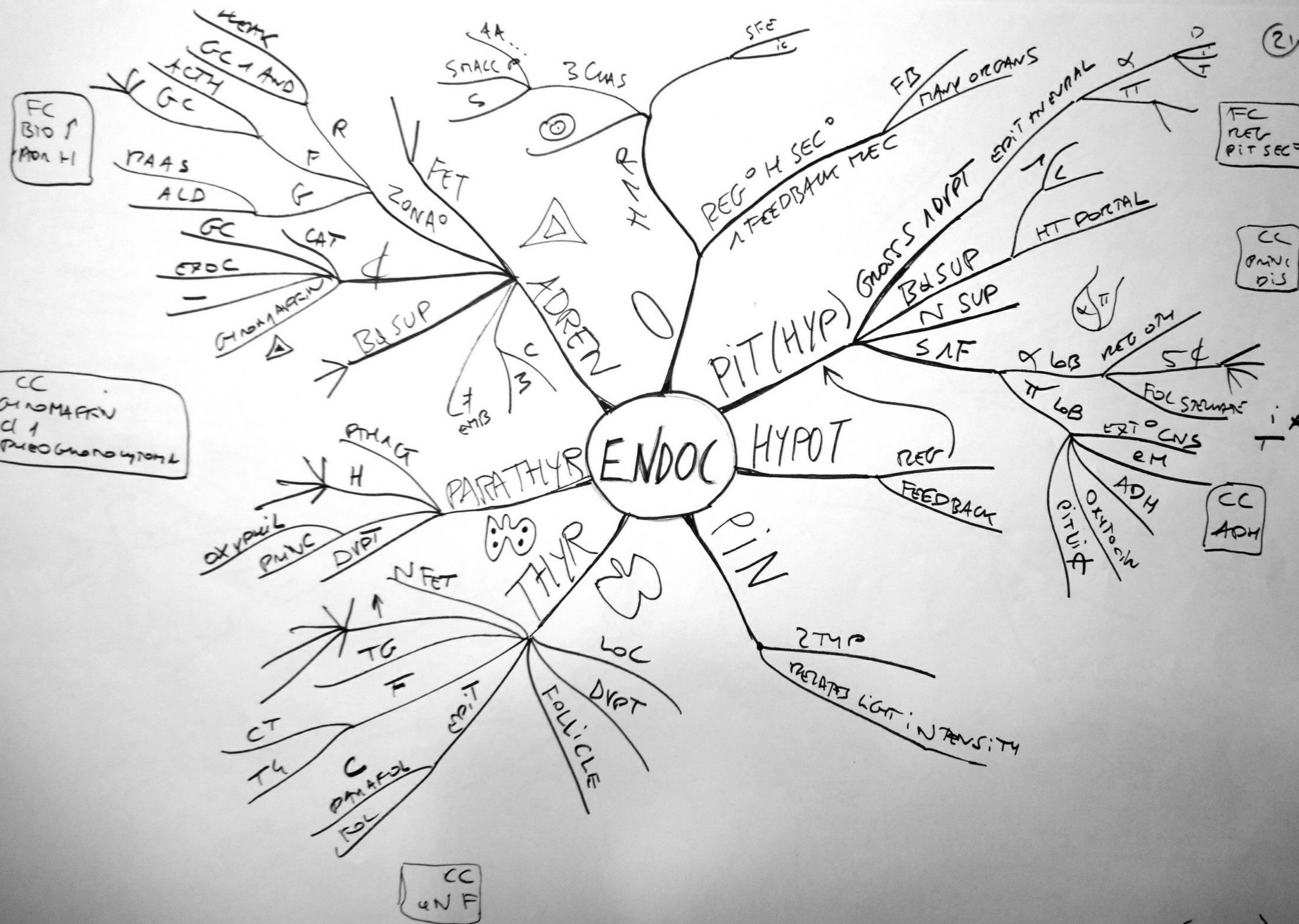
CC
RAAS
1 HIT

CC
EXAM U
ANALYSIS

CC
ANTI GLOB BUN
SPIND GN
GOOD PASTURE

FC
VITD
(ROSS)

ENDOC



(2)

FC REG PIT SEC

CC PANCREAS

CC ADH

CC UNF

(FOSS)

MALE

CC
TREC ENCO
1 ENCOLE
DUS PD

CC
BEN PROSTATE
HYPER TROPHIC
IN CAN CAN PROSTATE

PRESEM FUND
BULBOURET GLANDS
PSA
PAP
GROUXTY
KAPLEST

PROSTATE GLAND
ACCESS SEX GLANDS
PAIRED

LONGEST
DUCUS DEFERENS
EPIDIDYMS
PRINC &
ORGAN

EXCURRENT
DUCT SYSTEM

INTRATES
DUCTS

ENECO
PENIS
SEMPEN

TESTIS

SPERMATOGENESIS

SEMINIFEROUS TUBULES

CYCLES
WAVES

SERTOLIA

TRUE EPIT

ENDOL EXOL

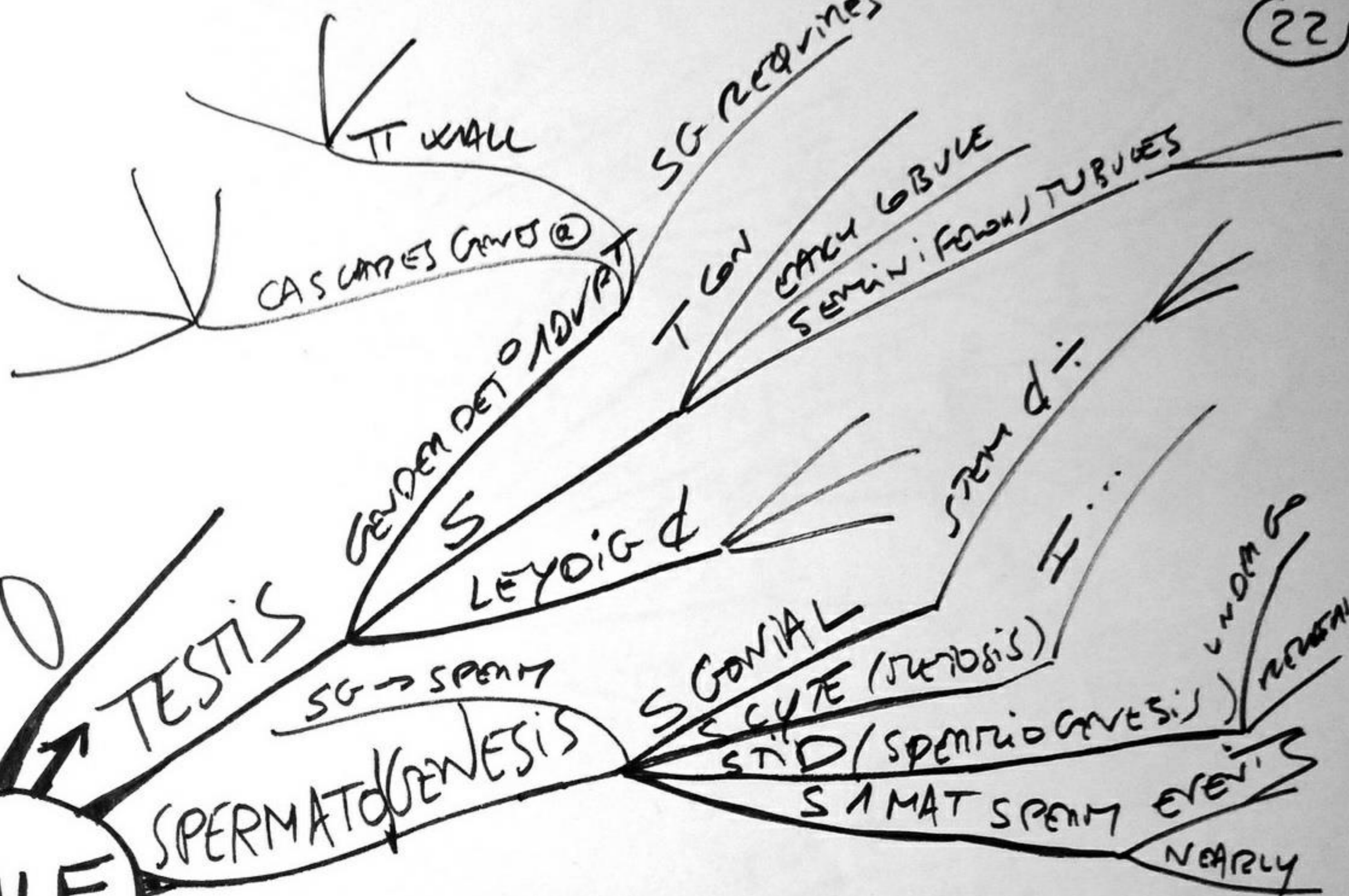
PURAD
JC
SITEBTD
EXOL

CC
SPERM
SPER &
1 IMM
R

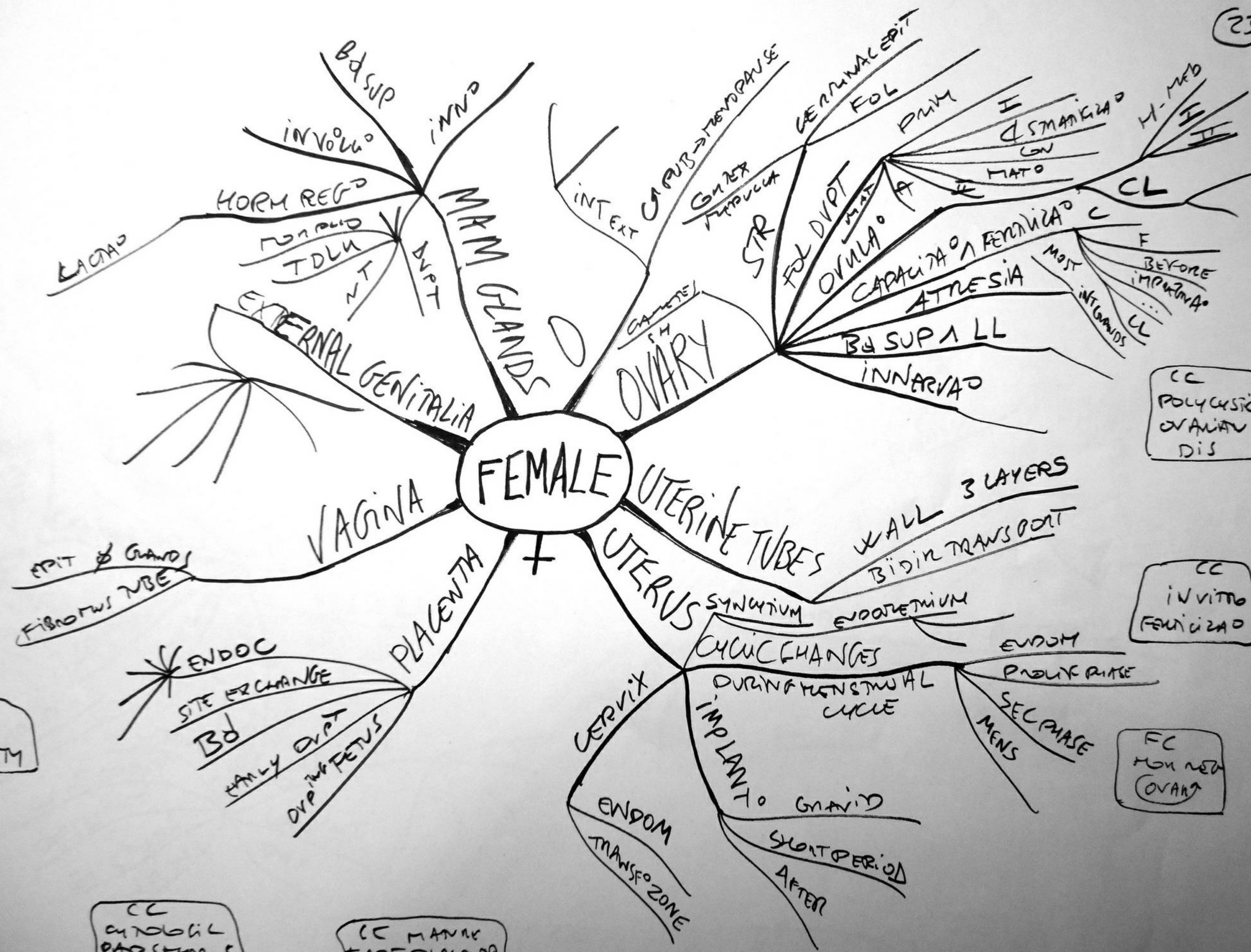
CC
FAFFOUNG

FC
H RET SPERMATOGENESIS

(ROSS)



FEMALE



CC POLYCYSTIC OVARIAN DIS

CC INVITRO FERTILIZAD

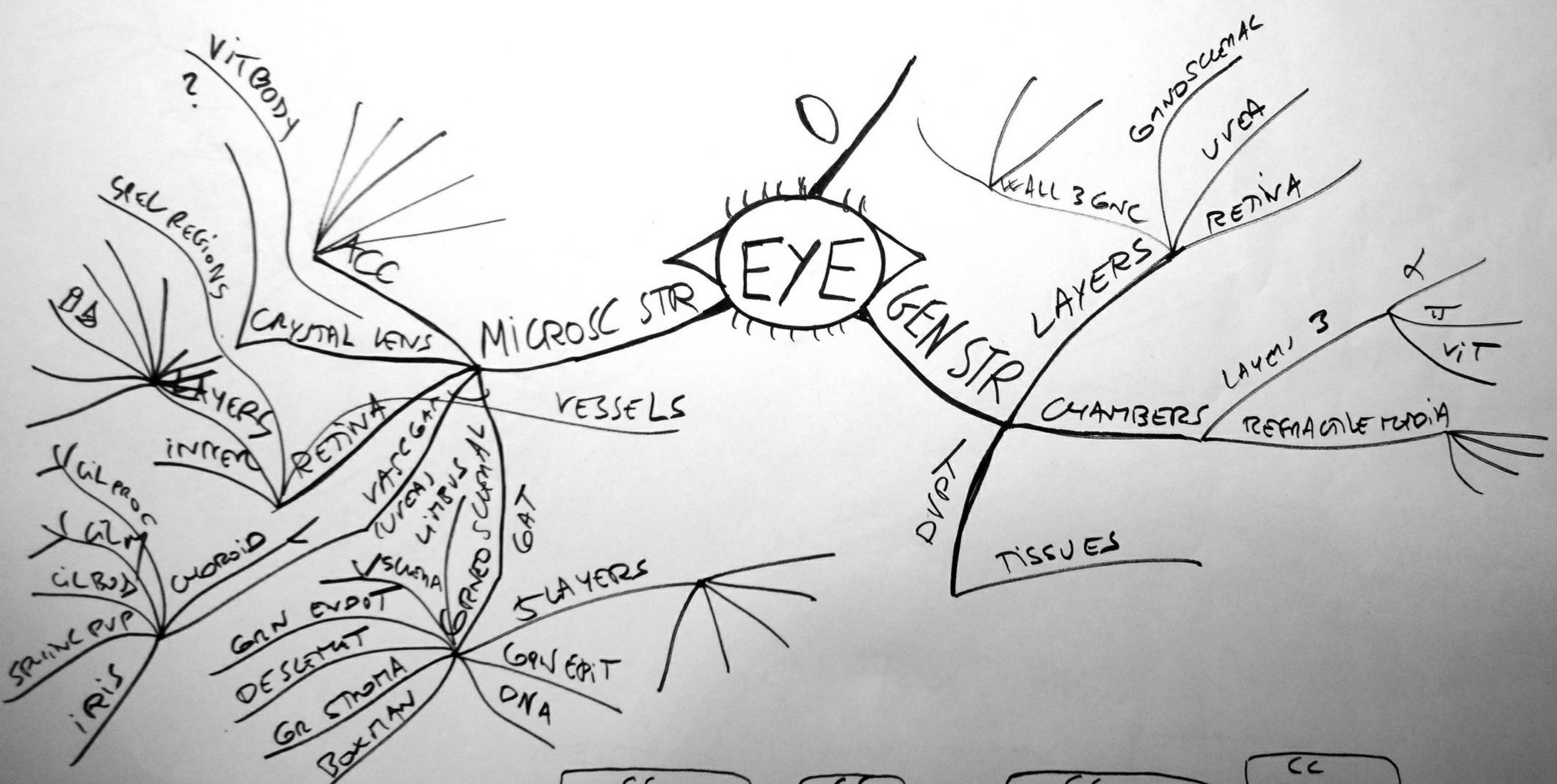
FC LACTAD ↑ INFERTILITY

FC NON NEB OVARIA

CC CERVIX 1 HPV

CC CYTOLOGIC PAP SMEARS

CC MAMM FATE PLACENTA AT BIRTH



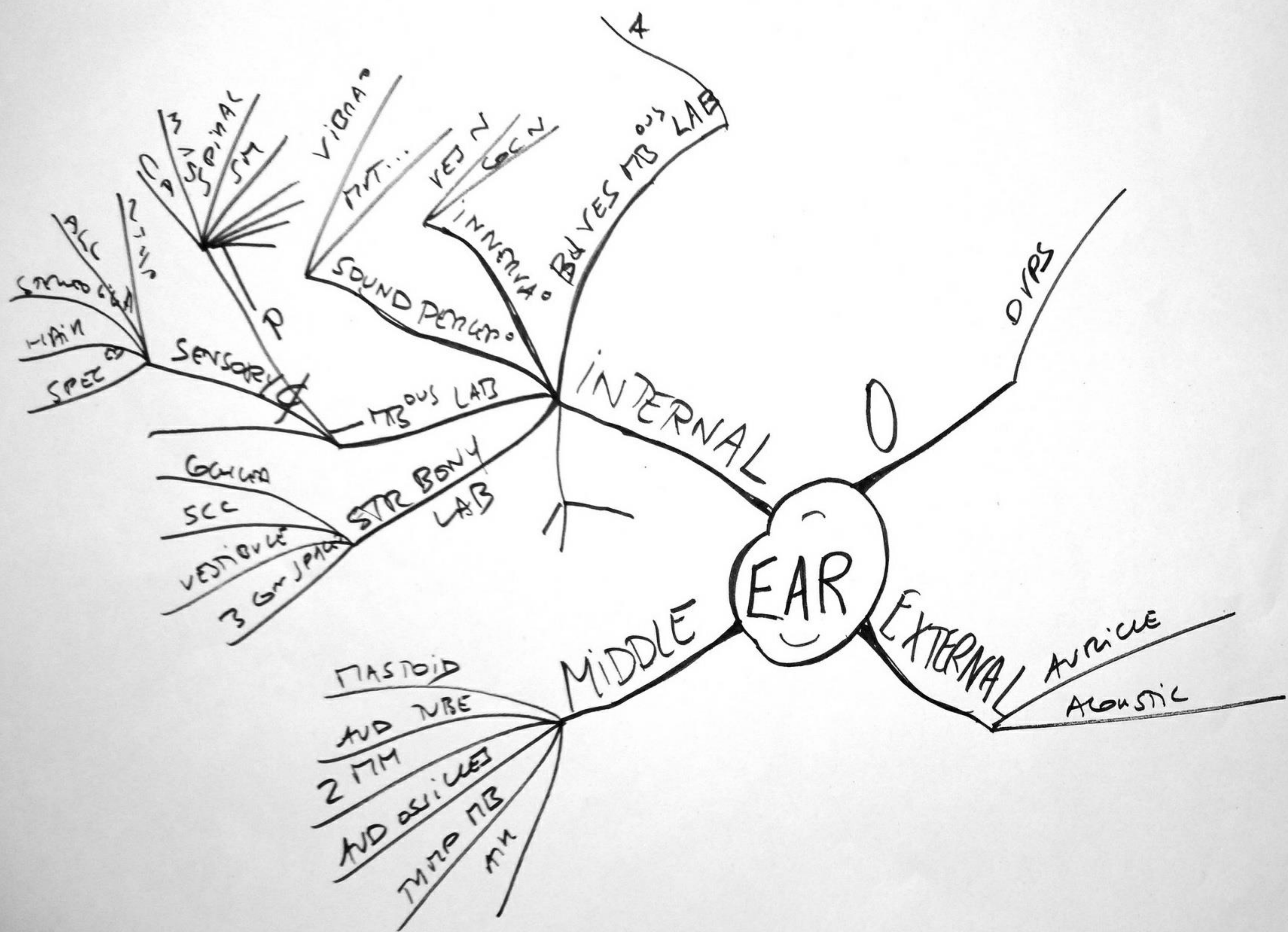
CC CONJUNCTIVITIS

CC ARMD

CC RET DETACHMENT

CC GLAUCOME

(ROSS)



CC VERTIGO

CC HEARING LOSS - VESTIBULAR DYSFO

CC OTOSCUENOSIS

(ROSS)