



ALTHOUGH B CAN PRESENT EPITOPES TO T => THE APC

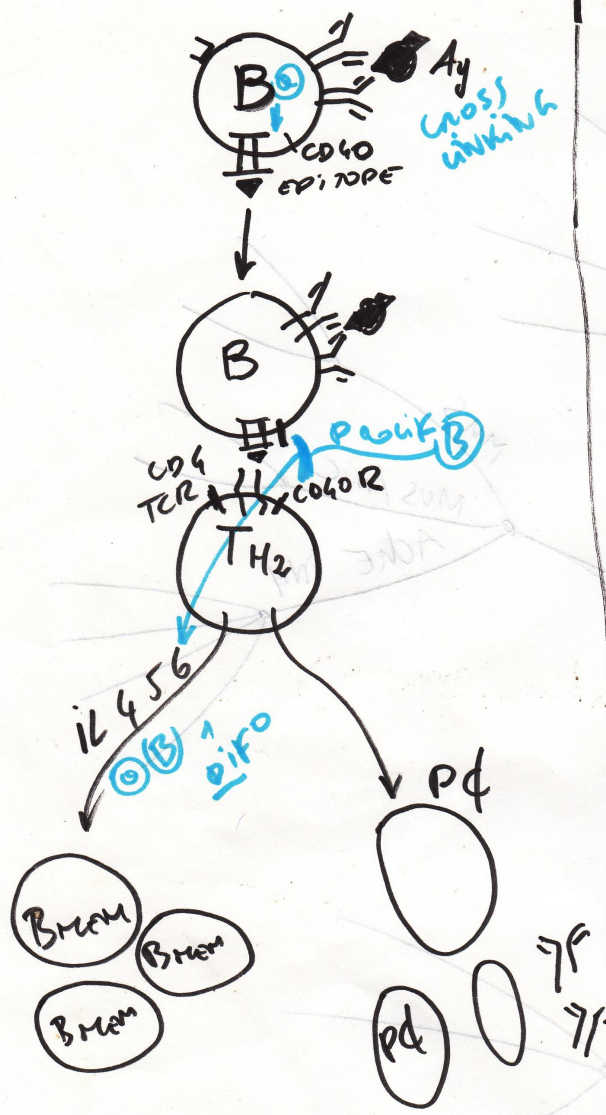
THEIR ROLE IN THIS IS PROBABLY LIMITED TO II MANIPULATE AS RATHER THAN I



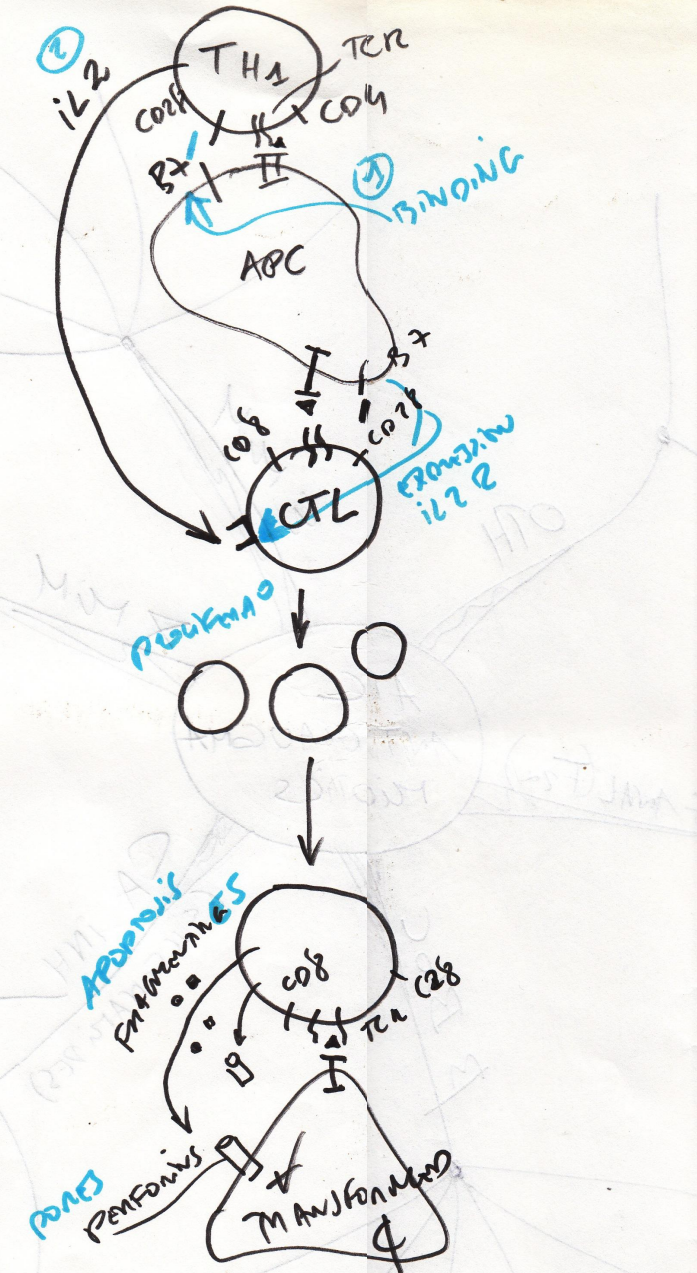
# CELLS IMMUNE SYSTEM



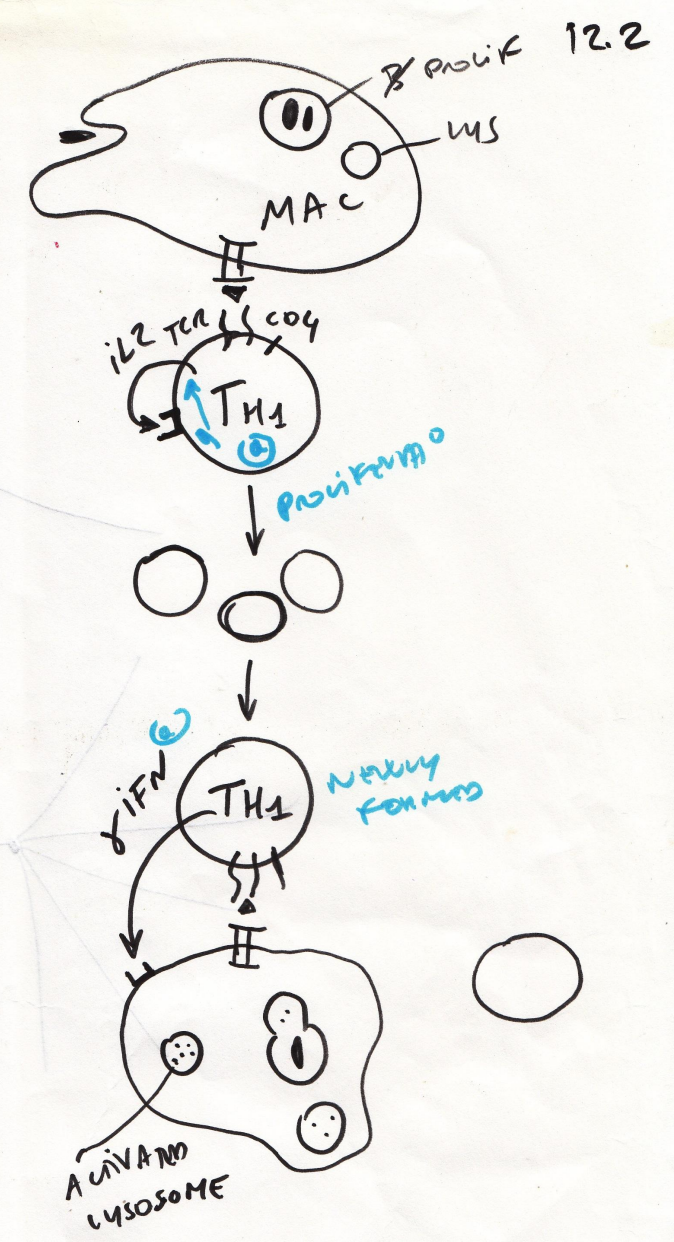




THYMIC DEP Ag-INDUCED  
 (Bmem) & (Pc) FORM 4°

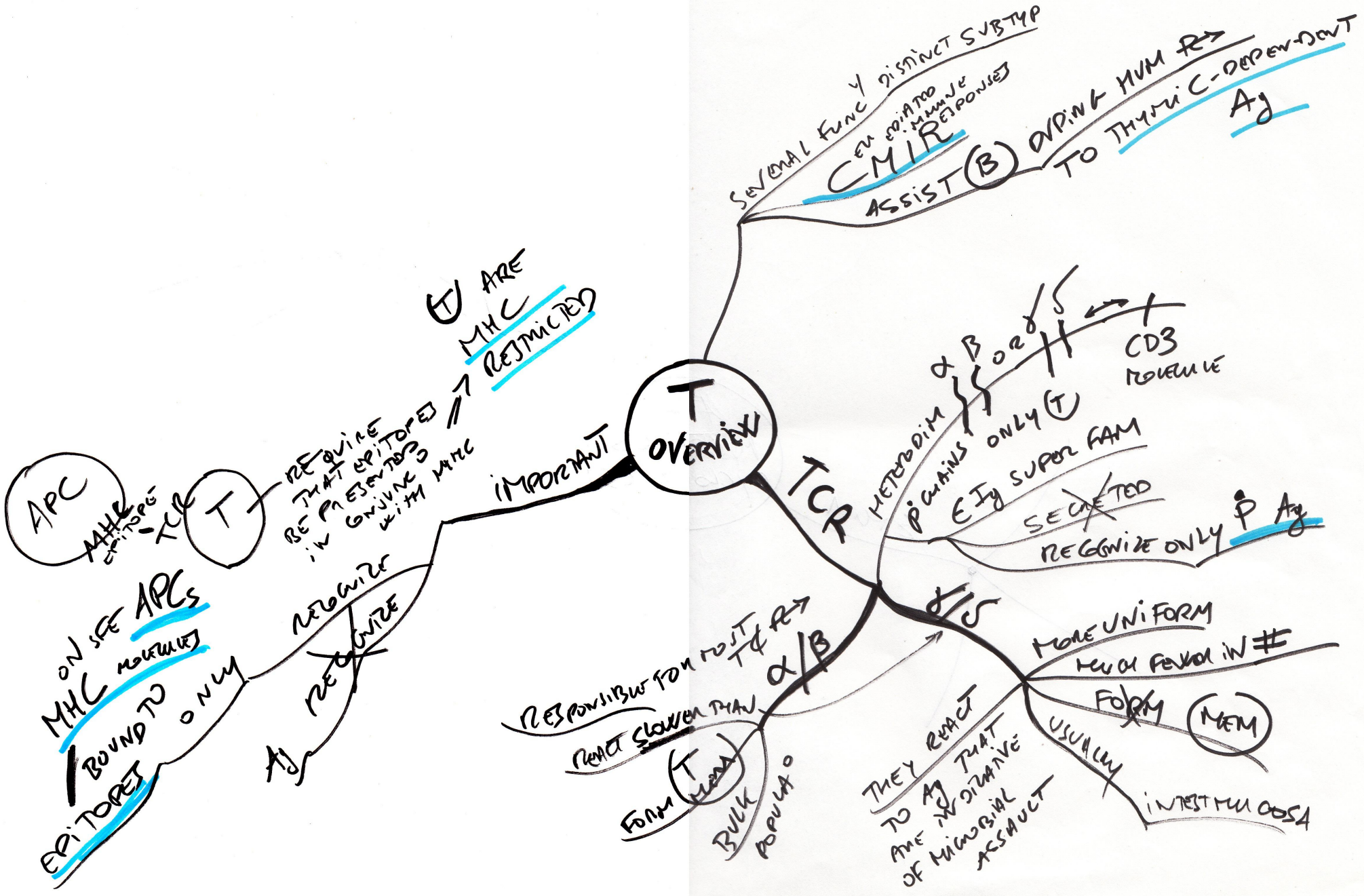


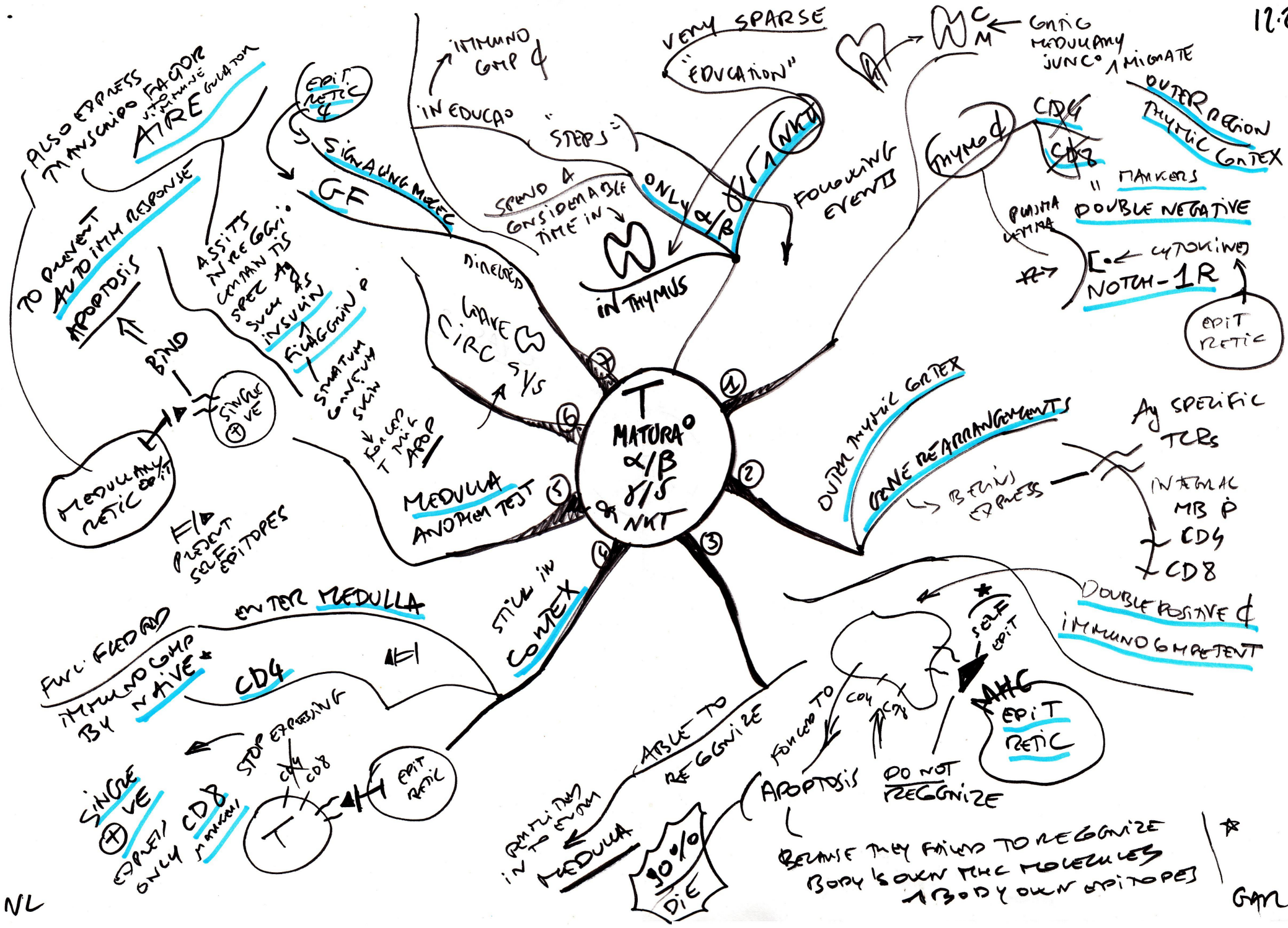
CYTOTOXIC (T) @ 1 & Killing



(MAC) @ BY (TH1)  
 CTL = CYTOTOXIC (T)





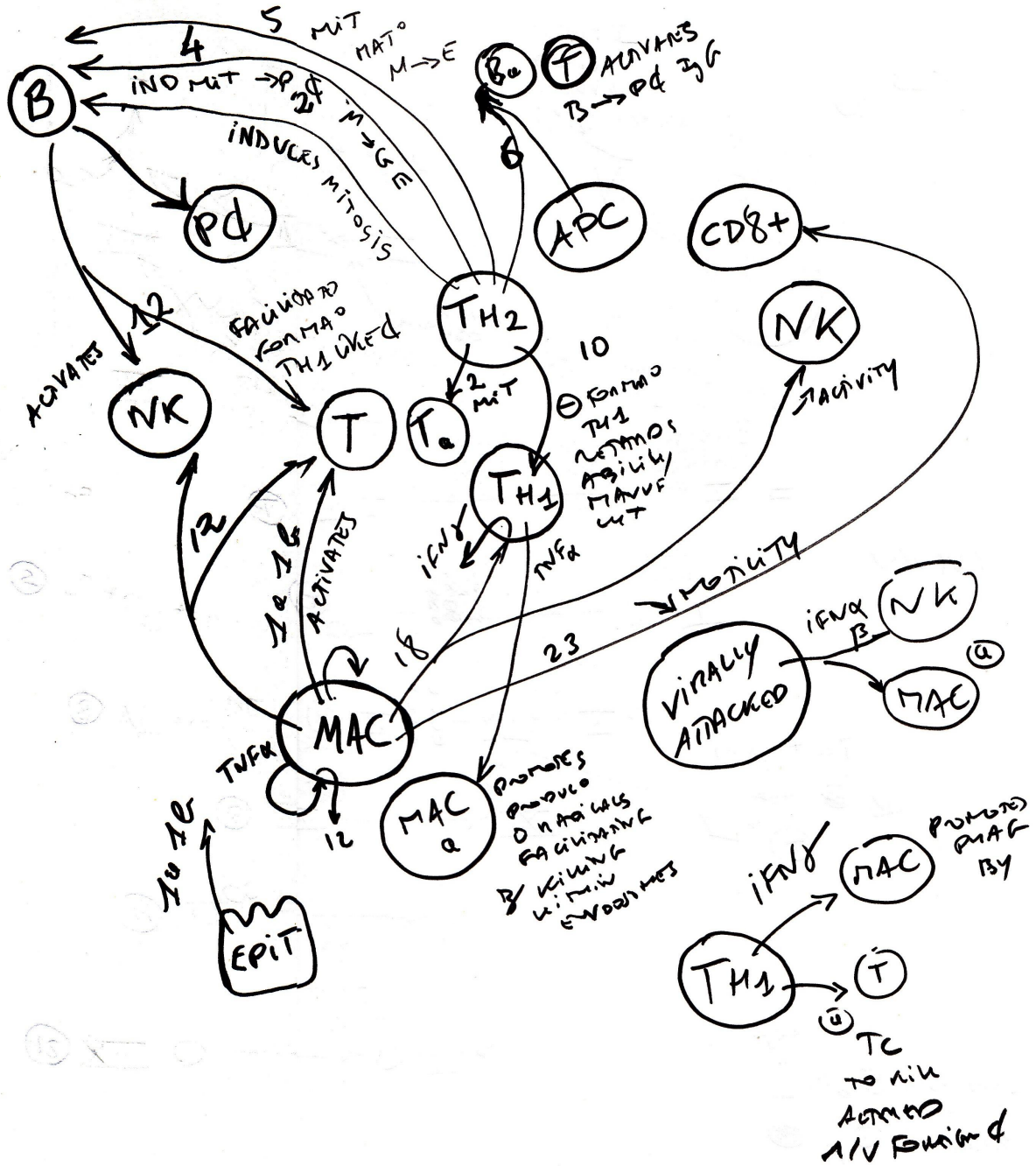


NL

GAM

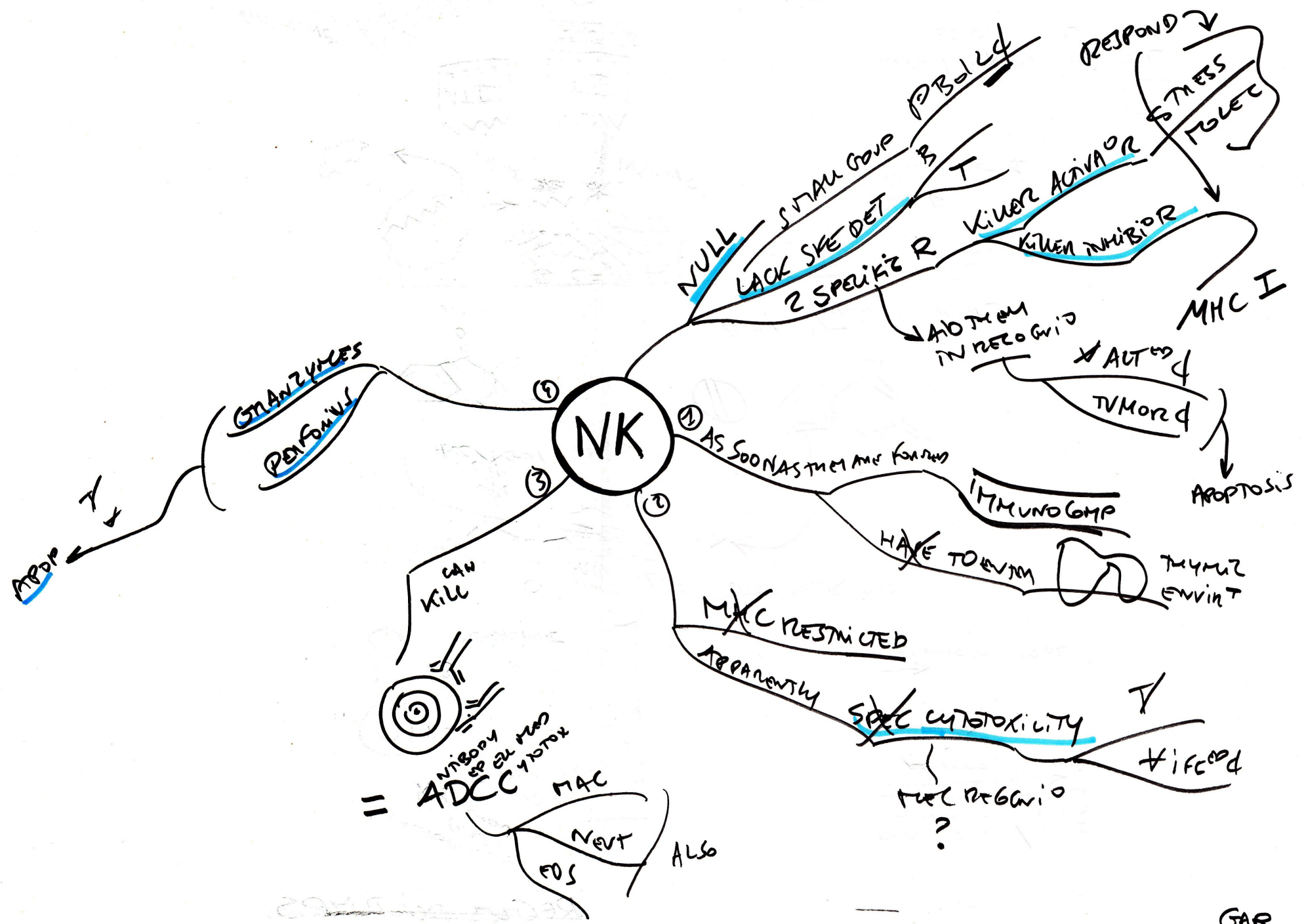


















# AP & ROLE OF MHC

MHC RESTRICTED  
MANY SUBTYPES (I, II, III)  
ER COST MEMORY  
MHC ONLY EPIT

ENCODE 2 MAIN CLASSES INTERNAL  
LARGE GENETIC  
MANY LOCI  
MBs MOLECULES

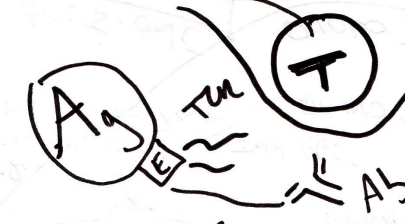
HUMANS = HLA  
HUMAN POLYMORPHIC  
T IN GEN

I  
2 V  
NU CLASSED  
II  
VARIOUS  
FUNCS  
AS APCs

I HLA  
II HLA

BOTH PRESENT TO  
EPITOPES DERIVED FROM  
ENDOGENOUS  
EXOGENOUS

I ENDO  
II EXO



IMMUNOGENS = MOLECULES CAPABLE OF INDUCING IMM →

ALL IMMUNOGENS ARE Ag

JUST BUT NOT ALL  
AGS ARE IMMUNOGENS

MOLECULES WHOSE EPITOPES CAN REACT WITH AN AB OR TCR GAR

ENDOGENOUS WITHIN

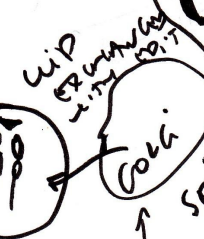
IN TGN

SPECIALIZED APs FOR EXOGENOUS

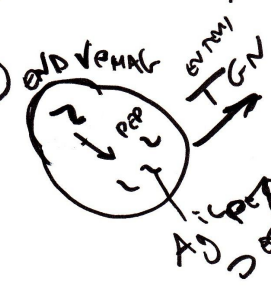
INV COMPD WITH CLASP II ASSOCIATED

Tumor  
VIRAL

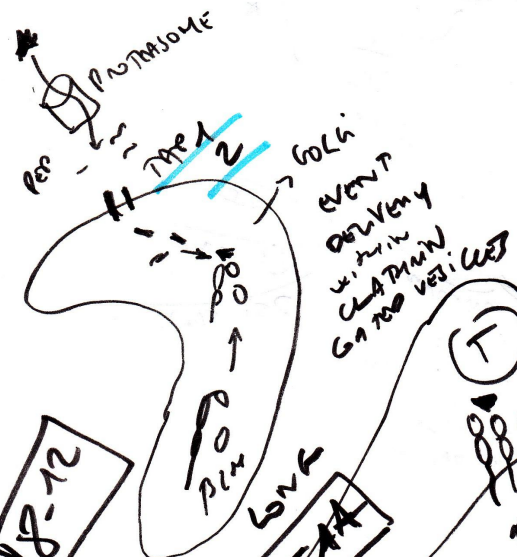
PRESENTED



WIP EXAMINING WITH CD-1



old VENN  
EVERY TGN  
AG EPITOPE

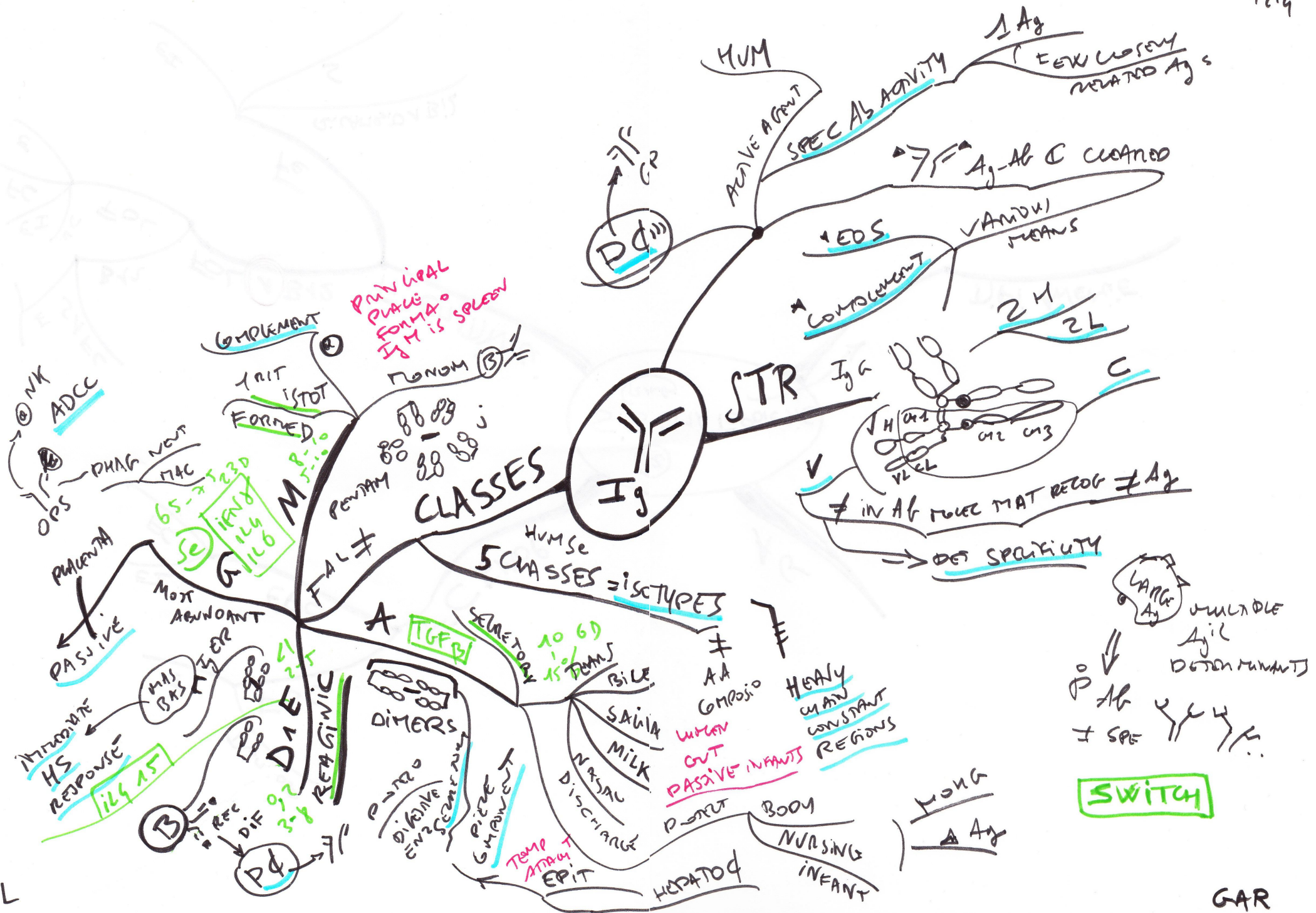


I 8-12

II 13-25 AA

APC















# STRUCTURE THYMUS

## OVERVIEW

Cortex ONLY  
Bsl-Thymus BARRIER

MEDULLA

CORTEX

MAJORA

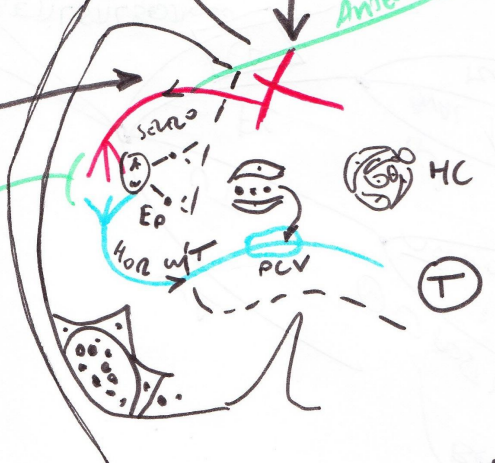
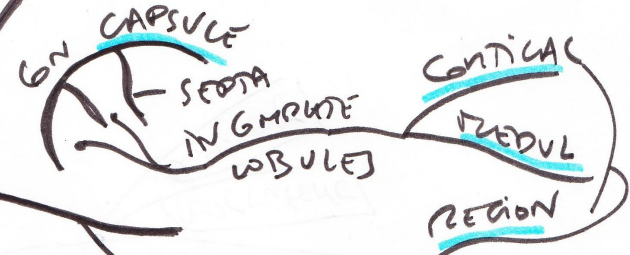
ERITRETIC

6 TYPES

PALE

3<sup>rd</sup> ? 6<sup>th</sup>

PHAR POUCHES

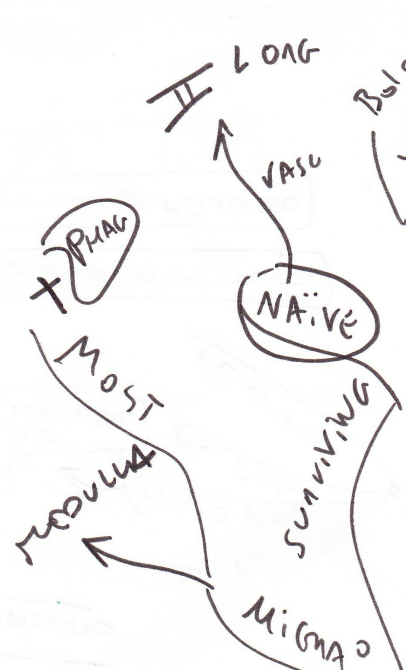
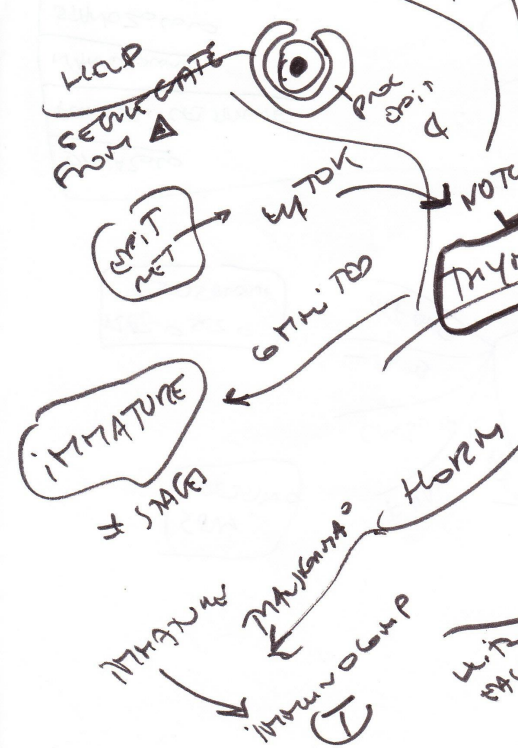


- Thymic Stromal
- Thymopoietin
- Se Thymic F
- Thymulin

with other from BOTH GN SEPTA & MEDULLA

ISOLATING BUNDLES LONG PROCESSES SURROUND CORTX

OF PR BIPHYLLARKE OVOID LIGHT STAINING & NUCLEOLUS



NL

GAR







**Location**

**Function**

RETICIT

CAPSULE  
TRABECULAE

- BARRIERS - REST BODY  
- ASSIST FORMATION BTIS BY SUN  
- BLD VESSELS

PARTIALLY SEPARATE GLOBULES FROM EACH OTHER  
STELLATE  
PROVIDE ADJUSTMENT FOR M. DEFENSES



PROC SUN NERVE  
1 COMPARTMENT  
ISOLATING MATURING (T)

SELF & 1 PRESENT. THEM TO MATURING (T)

BOUNDARY

ISOLATE CENTER FROM MEDULLA

CYTOTOXIC FRAMEWORK  
1 COMPARTMENT FORM (T)

FORM HC ~~DELE~~ (T) CLONES  
NEE 1 A TRAIL SELF P

THYMIC STROMAL LYMPHOPOIETIN  
AIDS FORMATION (Treg)

CORTEX

MEDULLA

CM JUNC

I

II

III

IV

V

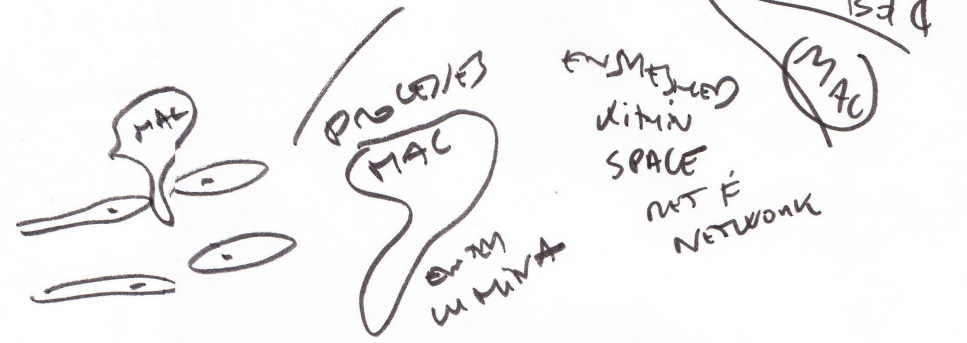
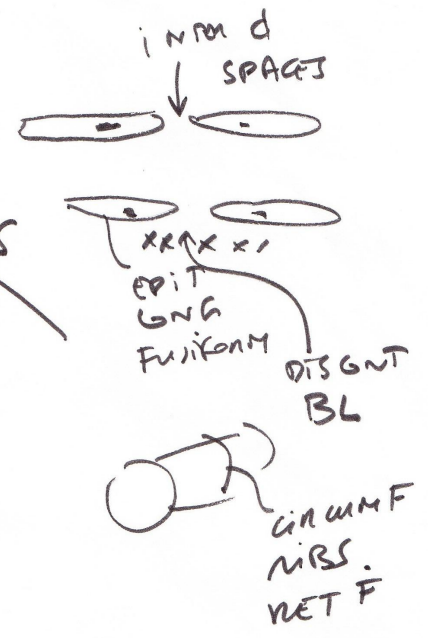
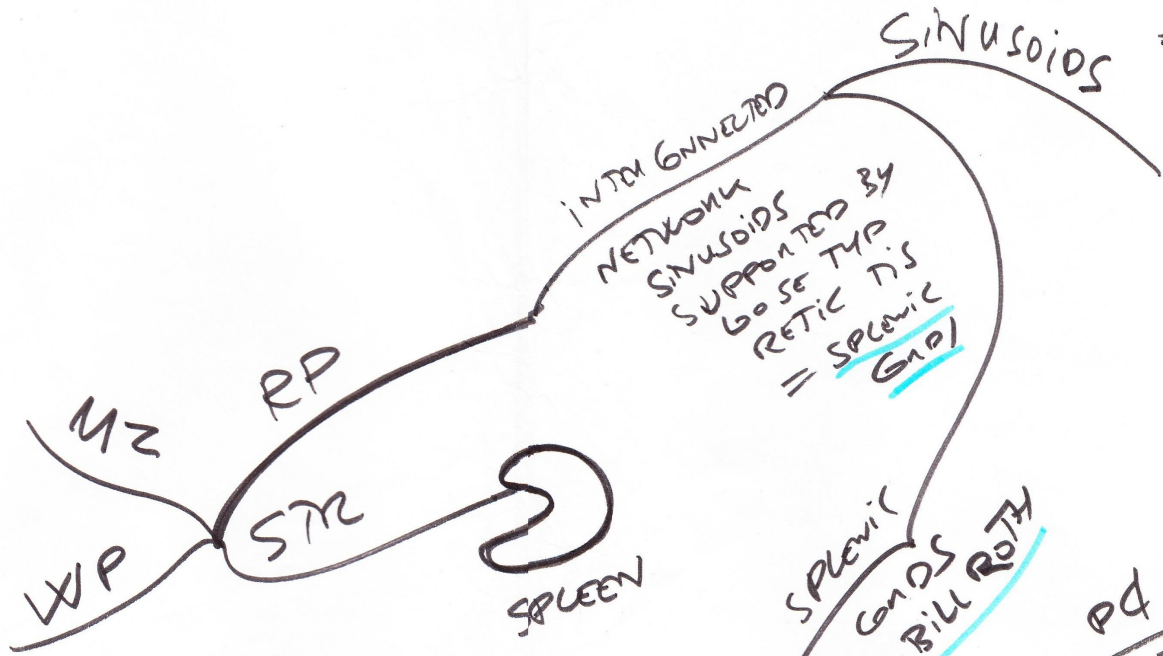
VI

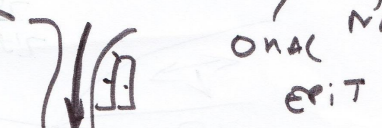
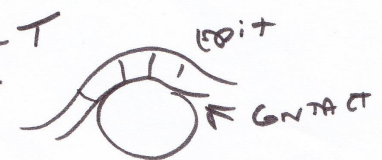
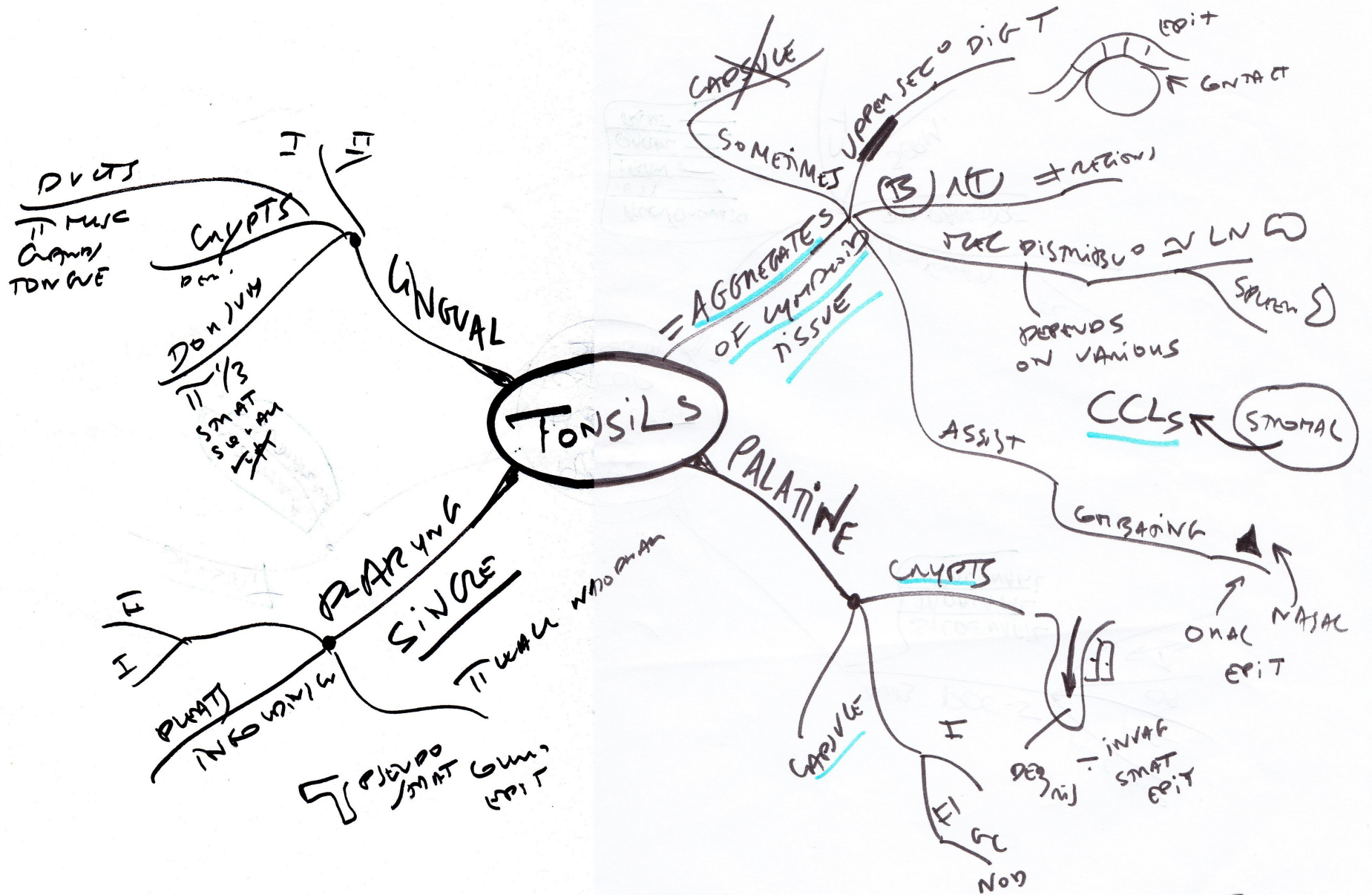
THROUGHOUT MEDULLA

M









NL

DERMATOLOGY