

CELL REACTION TO INJURY

CELLULAR STRESS

CELLULAR DEATH

CELLULAR INJURY

CELLULAR REPAIR

CELLULAR SURVIVAL

① NIP FOLDING STRESS  
HYPERPLASIA  
HYPOPLASIA  
ATROPHY  
METAPLASIA  
HYPERTROPHY  
APLASIA

② HYPOXIC  
EARLY STAGE  
LATE STAGE  
& DEATH

③ CHEM  
MB  
CCR4  
CCR3  
LIPOTOXIC MBS  
DISAG RIB  
PM DAM

④ REVERS. CHANGES  
HYALINE  
FATTY GC ACCUMULA  
IMBALANCE ATONG UPTAKE UTILZA  
A SECO

⑤ APOPTOSIS  
REGUL  
BIOCHEM  
MORPHO  
GC  
FAT  
FIB  
GANG  
CAS

⑥ NECROSIS  
GEN GNS  
AUTOLYS  
HETEROLYS

⑦ TYPES  
COAG  
LIQUEF

⑧

TRANSPI SEC  
AGMB  
2 KNOWN PG-MEC  
DYSTROPHIC  
METASTATIC  
UROFUSKININ  
HEMOSIDERIN  
BILIRUBIN  
MOANIN  
ARGYRIA  
PUMBSM  
PULM  
C Si Fe RUST

ENDOG  
EXOG PIGM  
CALCIF  
HYALINE  
FATTY GC ACCUMULA  
IMBALANCE ATONG UPTAKE UTILZA  
A SECO

REGUL  
BIOCHEM  
MORPHO  
GC  
FAT  
FIB  
GANG  
CAS

TYPES  
COAG  
LIQUEF

AUTOLYS  
HETEROLYS

⑦

⑧

①  
ISCHEMIA  
ANEMIA  
CO POISON  
POOR O2 Bd  
SQUAMOUS  
OSSEOUS  
MYELOID  
FAILURE MB PUMP  
DISAG RIB => FAIL P ↑  
STIM° PEK AGIVITY

②  
MB DAM  
RETURN  
IC ENZYOTH P RELEASED  
VULNERABILITY ~1

③  
MB  
CCR4  
CCR3  
LIPOTOXIC MBS  
DISAG RIB  
PM DAM

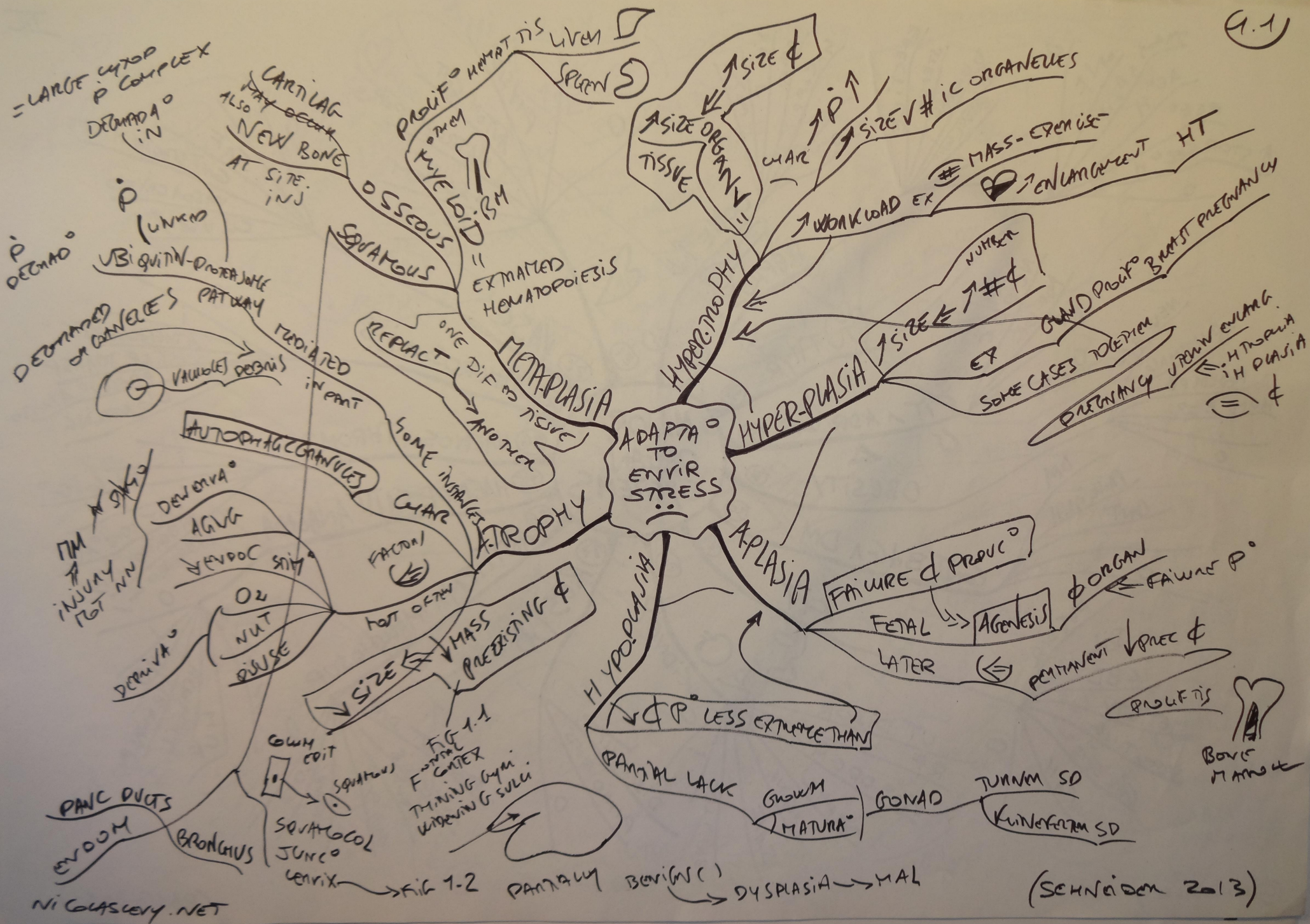
④  
REVERS. CHANGES  
HYALINE  
FATTY GC ACCUMULA  
IMBALANCE ATONG UPTAKE UTILZA  
A SECO

⑤  
REGUL  
BIOCHEM  
MORPHO  
GC  
FAT  
FIB  
GANG  
CAS

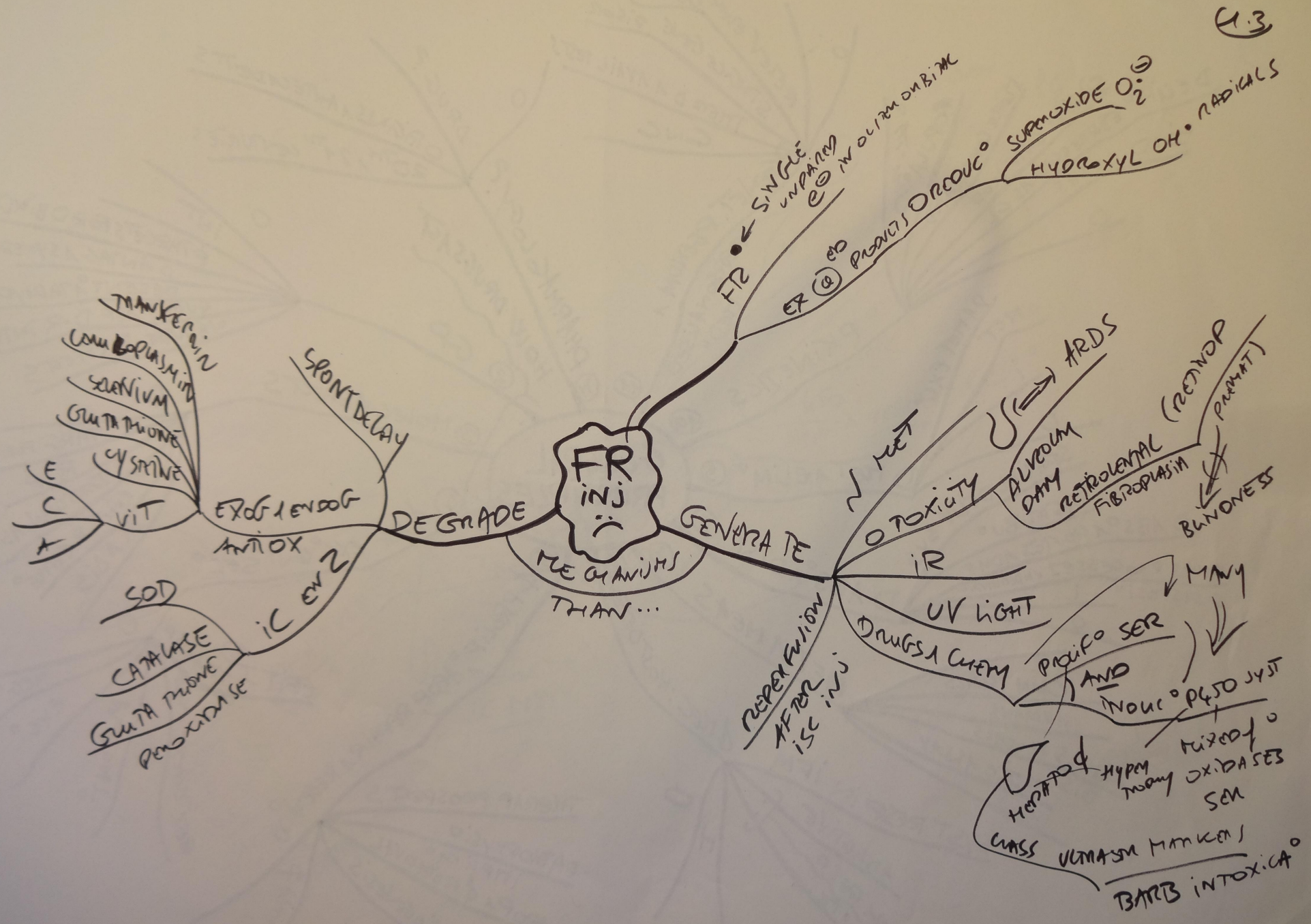
⑥  
TYPES  
COAG  
LIQUEF

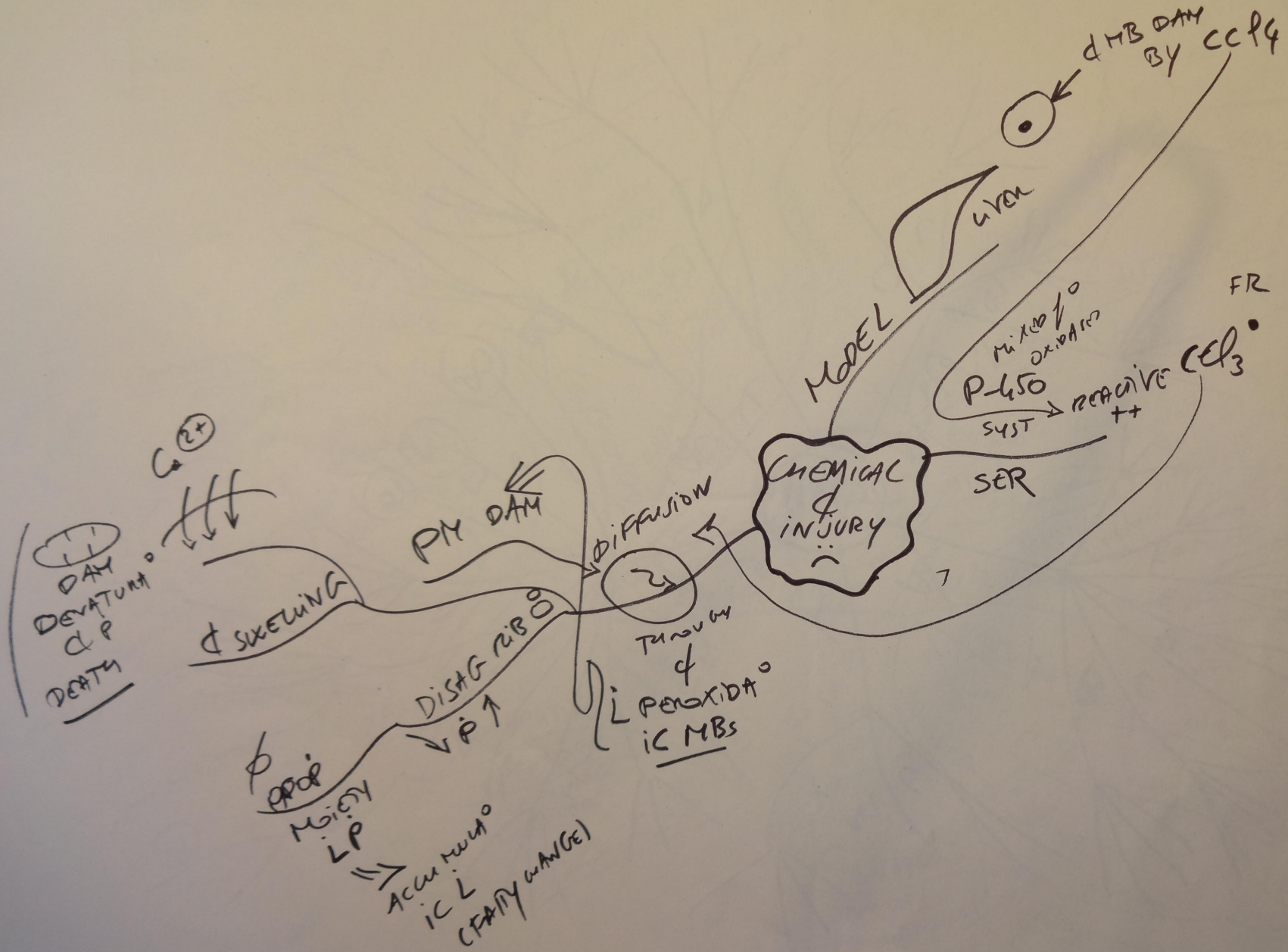
⑦

⑧











# APOPTOSIS

CASPASE ASSAY MARKERS

QUANTITATE CASPASES

TUNEL ASSAY ORIGINAL DATA CHECK NO ARROW

Bcl-2 box (+)

PROST CANCERS → TRCAPP

IN MED DNA DAT FR  
Drox 144 MFC

PROB° AGAINST NEOP

PROG ED G ING DIGITS

LOAESTURE "FALLING AWAY FROM"

REMOVAL & PHYSIO

MORPH

SINGLE ISOLATED C STALL CLUSTERS

PROGR°

INVOLV° SHRINKAGE

BLEBBING PM  
CUT SWELLAGE  
CONSTRAIN  
GROOVERS°  
BUDDING

SMALL NOUNS  
EDSYNAPTIC  
LIGNANW  
NONNANT  
GONADYAN BODIES  
↓ HOPANIN

BIOC EVENTS

CYTOX T°

INTINS

EXTINSIC PATHW  
ini  
FR  
TAD  
TOX

FAS  
STRESS

1 CYTOX T°

SYNCOA GF  
10TH iS

PERKIN  
GALYPS

ORIGIN

FAS-LIGAND  
UR

CASPASES  
ASP-SPEC  
PASSEGES  
"MAJOR EXECUTIONER"  
"GUILLOTINES"

PLMT  
CASADE

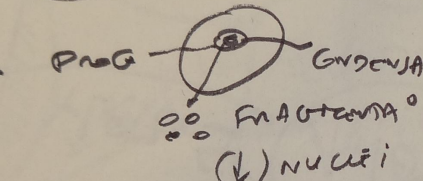
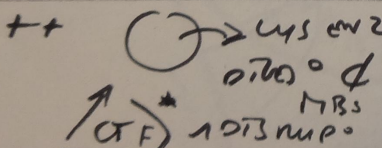
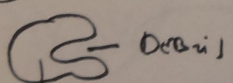
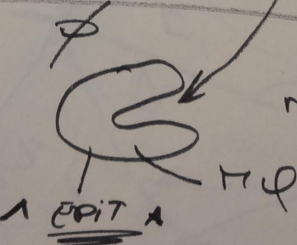
1 LOSS Bcl-2  
1 0TH ANTIAP P

1 OTHER  
1 0TH ANTIAP P

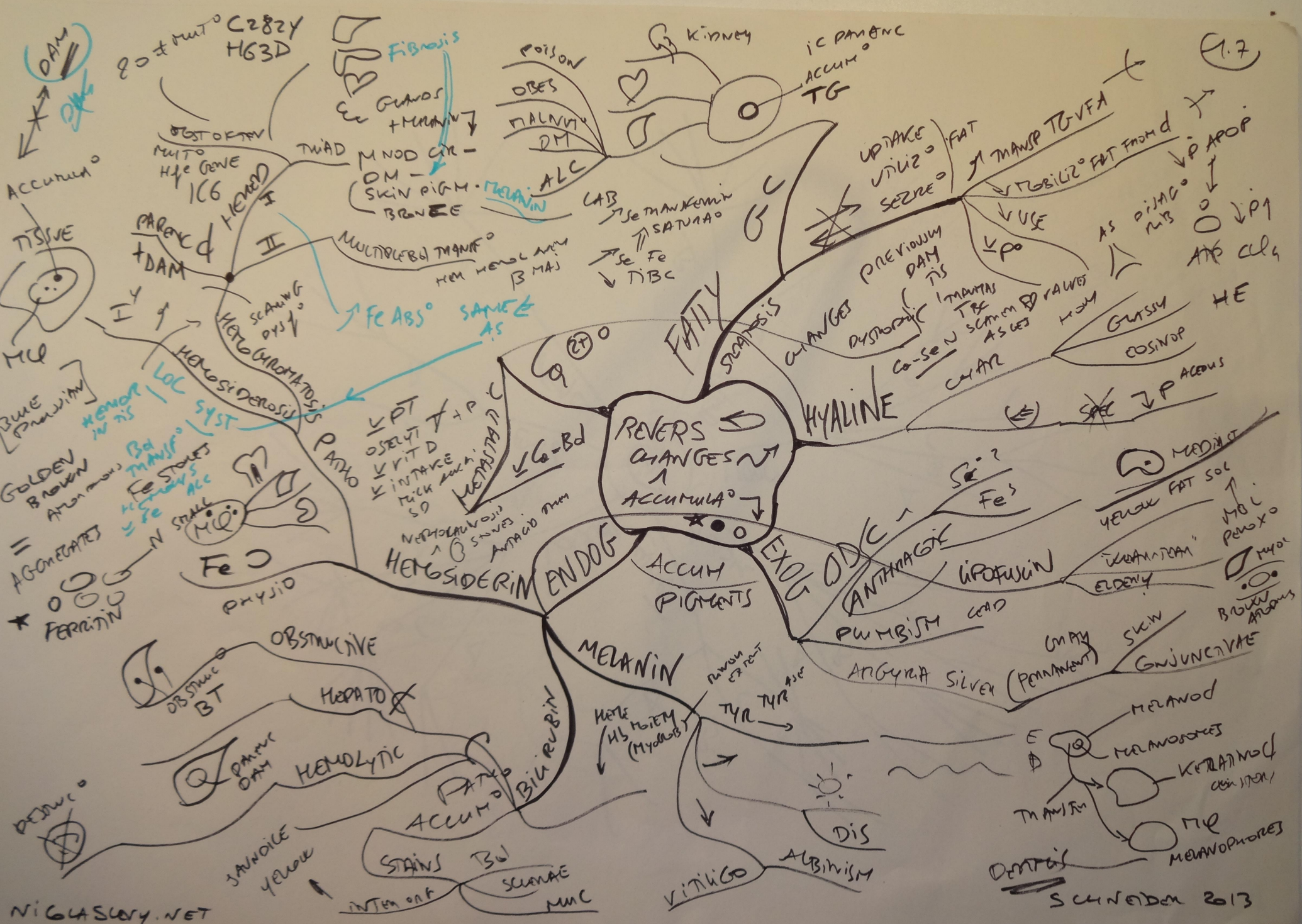
TNF R FAMILY  
1 3  
1 6  
among

1 WVEY  
1 0TH ANTIAP P

NI 64545EVY.NET

	NEC	APOP
ETIO	GROSS INJURY	- SUBCELL DAM - PHYSIO PROC d T
MORPH	- MANY GWT $\phi$ - <del>PROG</del> DENAT P - PROG  GNDENJA oo FRAGMENTA (v) NUCLi - $\oplus$ AN ANI CARLY STAGE GAG	- SINGLE 1 SHAW CUTS - CUT SHINKING - $\rightarrow$ COS - GROW GND "FRAGM" - ENAB MB BOUND APOP - $\oplus$
BIOC	PASSIVE GENE INVOLV T V NEW P T DNA FRAGM HAPHAZARD REPAIR $\rightarrow$ EQ SMOODE	ACTIVE GENE EXPRE P T $\rightarrow$ E CONJ - REB AT NUCLUS BOUNDARIES $\rightarrow$ "LADDERED"
IFM	++  LYS ENVZ o/b $\phi$ MBS (CF) 1013IMP (M) INFUX  DEBRJ PHALM <u>u</u>	 NEIGHBORING + 1 EPIT A





α1-ANTITRYPSIN DEFIC

CF TRANSPORT 1 SEC

AGGREGA

2 MEC

aN P FOLDING

AMYLOIDOSIS  
 NEURODEG  
 AD  
 HD  
 PD  
 ? Prion  
 MAD Cx

FAILURE STR STABILIZO  
 (DEGRADA) BY CHAPERONES  
 HSP  
 UBIQUITIN  
 P<sub>0</sub>N  
 MARKS FOR DEGRADA  
 STRESS