

TERATOLOGY

STYD
 - IODINE
 - DIABETES
 - METHYL MERYMAY

$\lambda > 210$
 RADS

NEONATAL ABSTINENCE SD
 MC OPIOID

X RAYS

CRITICAL STAGES
 TERATOGENIC SUSCEPTIBILITY

TORCH
 SELECT PERIOD
 PHOTOS

INTRO

WV
 MAX SUSC 2-8
 GERM 9-39 (FET)

RUBELLA
 CMV
 HSV 1 & 2
 VZV
 CHICKEN POX
 HIV

NON VIRAL

TG
 TD

RACEMIC
 NON TOXIC

IFC

STY
 BUSULFAN
 CYCLOPHOSPHAMIDE
 AZACITIDINE
 FLUCYCLONIDE

TORCH

AMINOGLYCOSIDES
 & PENTAMIDATE
 THALIDOMIDE

TRIAZOLAM
 ETANAZOLAM
 KAMPANOL
 ISOTRETINOIN
 CLONITENE
 DES
 ETIKSONONE
 METESTROL
 ORGN
 LARLOW
 NOUNYL

SUBSTANCE USE
 RECREATIONAL
 DRUGS

HER
 COCAINE
 CAF
 MARIJ
 LSD

CHEM

D
 CAT DRUGS
 ABSOLUTE
 DEF. NITR
 EVIDENCE
 RISK TO FETUS
 MEDICATIONS

FETAL ALCOHOL SD

ALCOHOL
 MIGNON

METHOXYLON
 WINCUBIN

PF OA
 BUTYRATES
 BISPHENOL A
 PCBS
 ORG MERYMAY
 LEAD

CARBONOTRIMIDE

LITHIUM
 DIAZEPAM
 CALONIA
 ALPRALZOLAM
 LONGAZOLAM

TEMACLINE & DOXYCUMI
 STIMULANT AMIKACIN & TOBRAMICIN
 PRONIBAMBIAL & PENTORAMBIAL

SURVIVE UNAFFECTED
DIE WITH

CONCEPTUS

"ALL OR NONE" PHENOMENON

RESISTANT TO

TERATOGENS

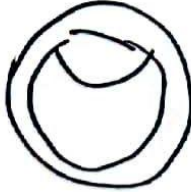
ALL OR NONE PHENOMENON
IF FETAL DRUG EXPOSURE OCCURS DURING CRITICAL STAGE OF DEVT
TERM FETAL FUNCTIONALITY
DRUG LIKE CHEM INTERACTIONS
TERATOGEN
TERATOGENIC SUSCEPTIBILITY

3 5 8 38

EMBRYONIC

FETAL

WEEKS GESTATION



MAXIMUM

FORCING TO OCCUR AT THIS

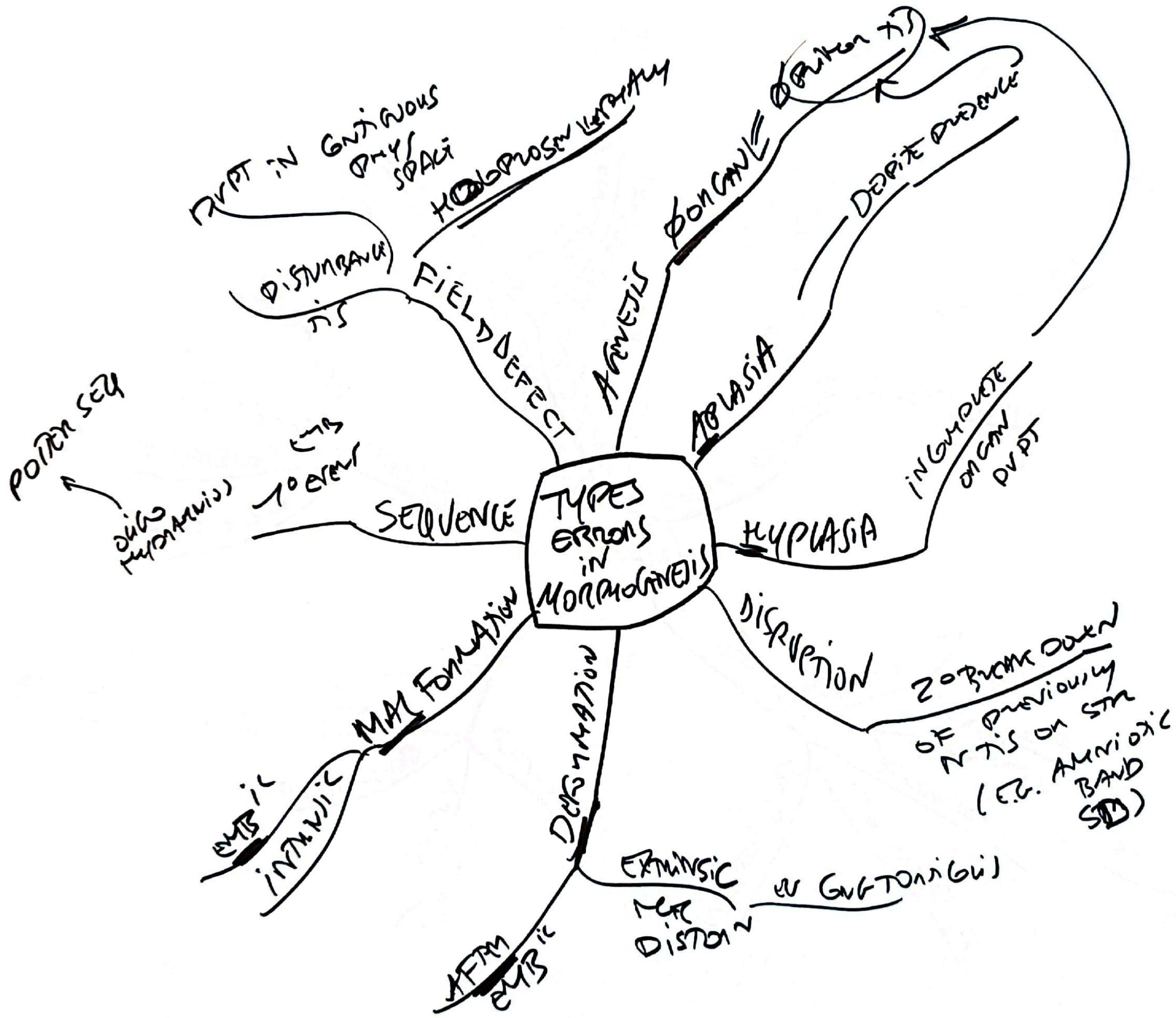
FORGIVEN
ALREADY FORMED

FUNCTIONAL

PERIODS STAGES

PARTURITION

38 WEEKS



TYPES ERRORS IN MORPHOGENESIS

FIELD DEFECT

DEFECT IN CONTIGUOUS PARTS
 HOLOPROSOPIC

DISTURBANCE
 NTS

POWER SEQ

DISRUPTION
 HYDRANOID

EVENT

SEQUENCE

AGENESIS

DEFICIT

DEFICIT

HYPPLASIA

INCOMPLETE ORGAN DEFECT

DISRUPTION

ZEBRAFISH
 DOWN OF PREVIOUSLY NTS ON STR (E.G. AMNIOTIC BAND SIB)

DEREGULATION

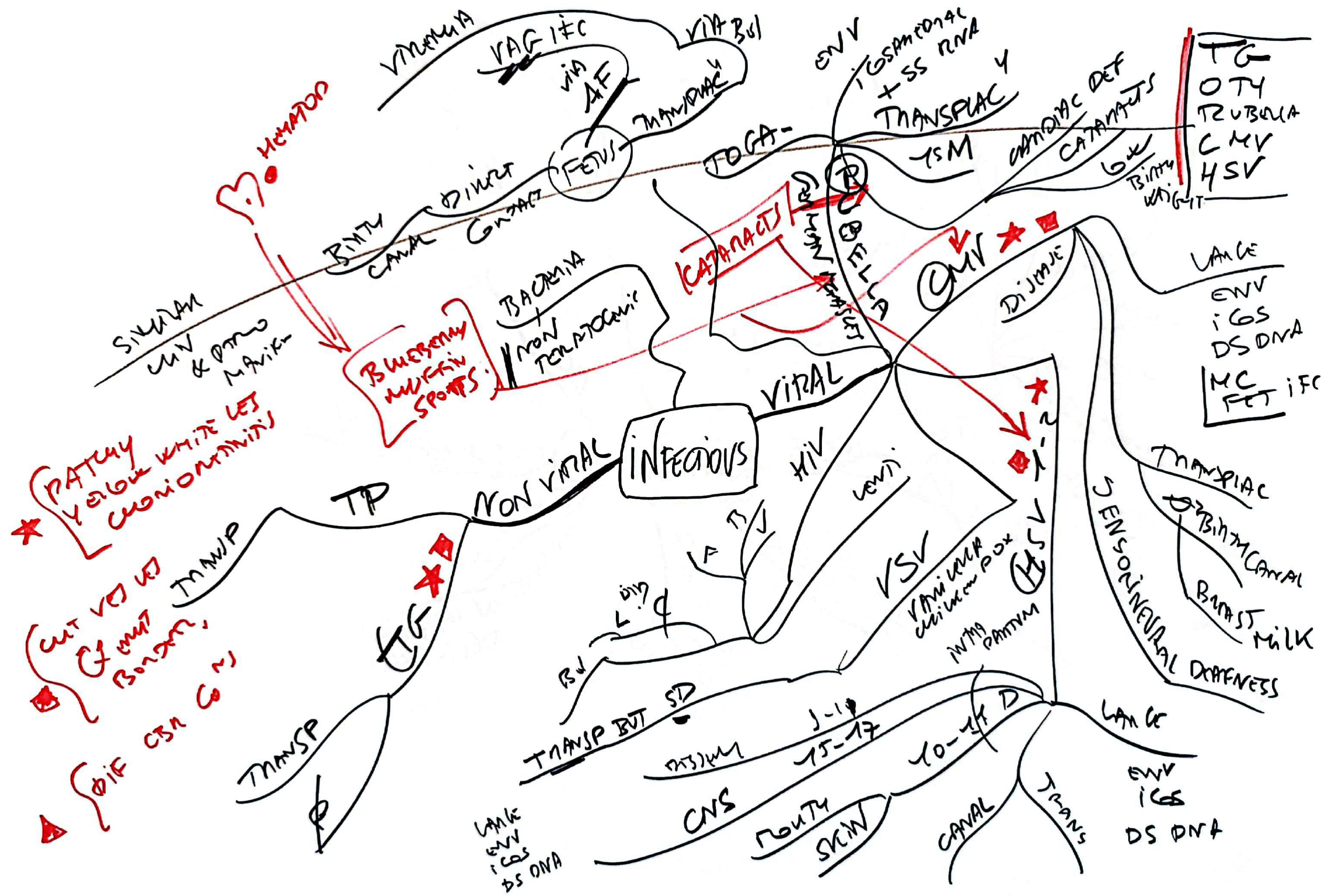
EXTINSIC
 DEFECT
 DISTORT

GN(T)OGENIC

MAL FORMATION

EXTRINSIC
 INTRINSIC

EXTRINSIC
 DEFECT



HEMATOD

SILICAN

ENV & OTHER MARKER

PATCHY YELLOW WHITE LES

CONJUNCTIVITIS

WET VES LES

TRANSP

CSF

- TG
- OTY
- TRUBULA
- CMV
- HSV

- LANGE
- ENV
- iGS
- DS DNA
- MC
- FET iFC

SENSORINEURAL DEAFNESS

TRANSPAC

BIRTH CANAL

BRAST MILK

LANGE

ENV

iGS

DS DNA

LANGE

ENV

iGS

DS DNA

MEDICATIONS

