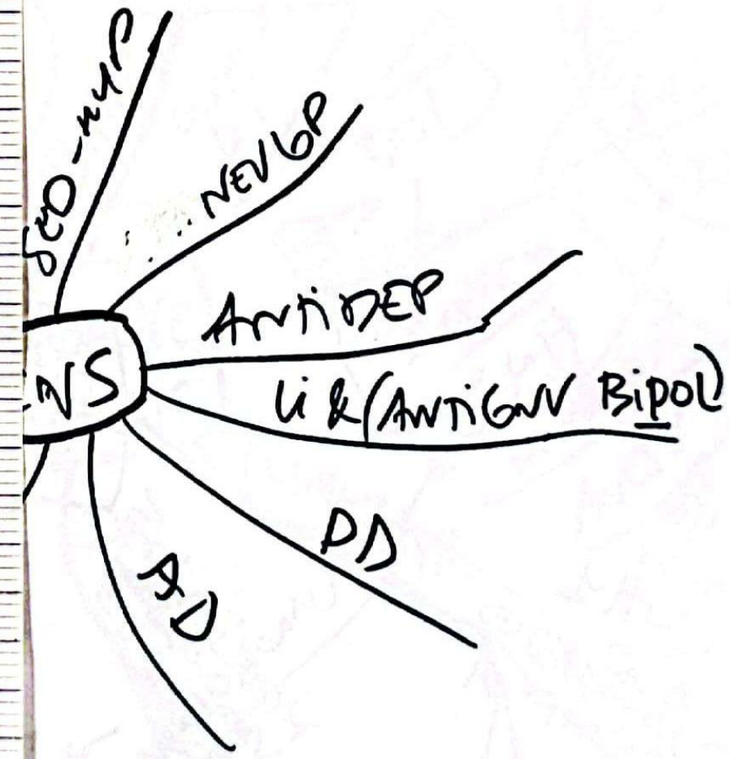
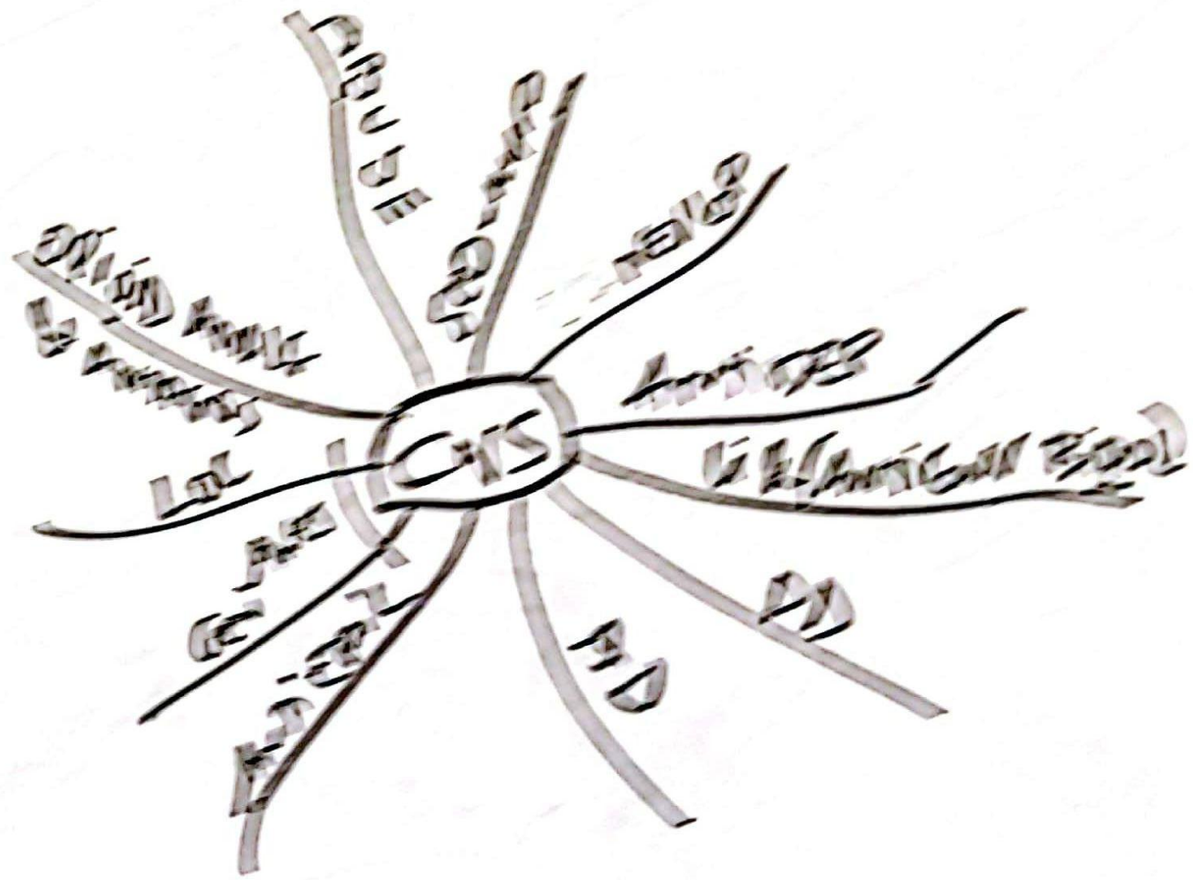
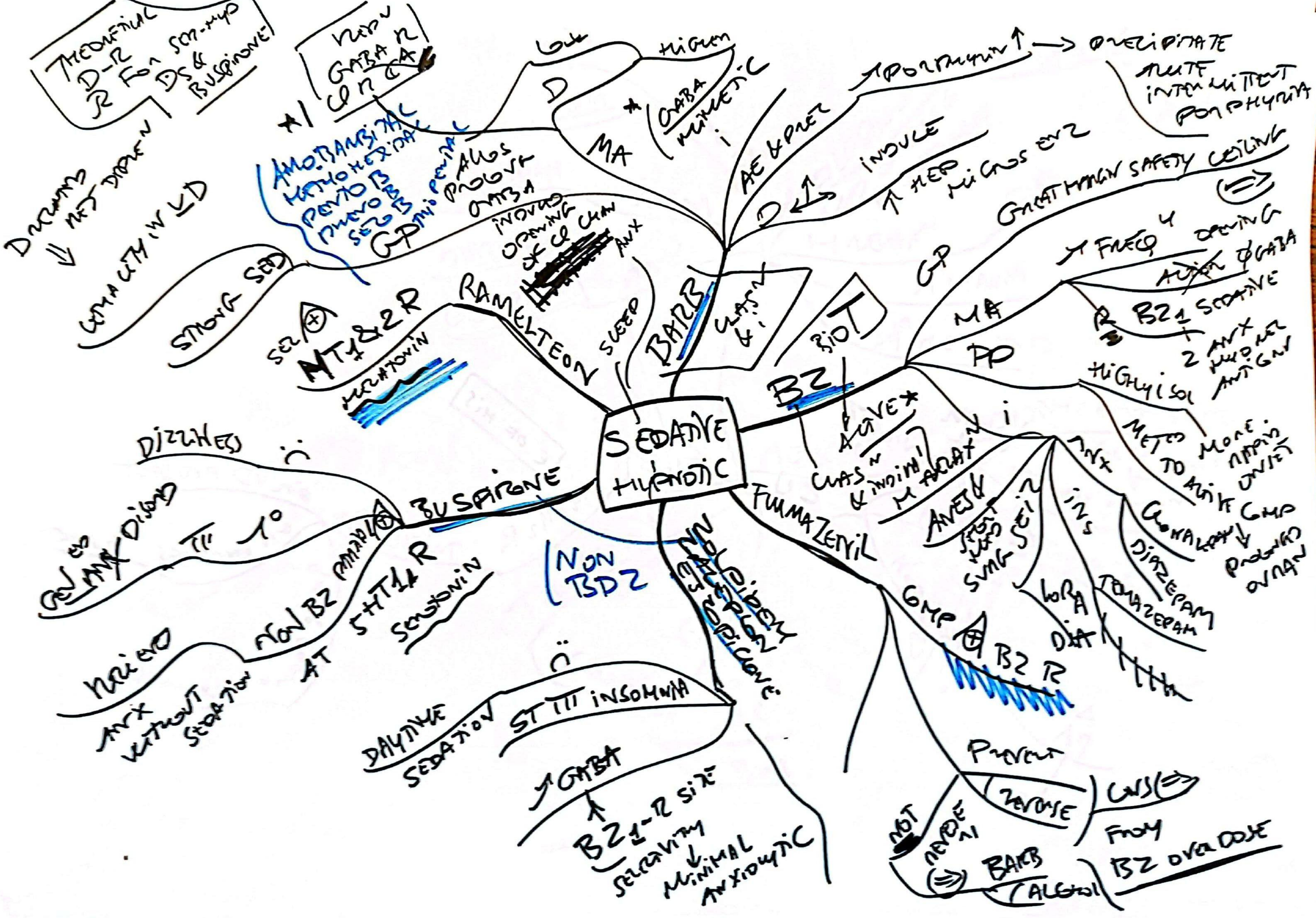
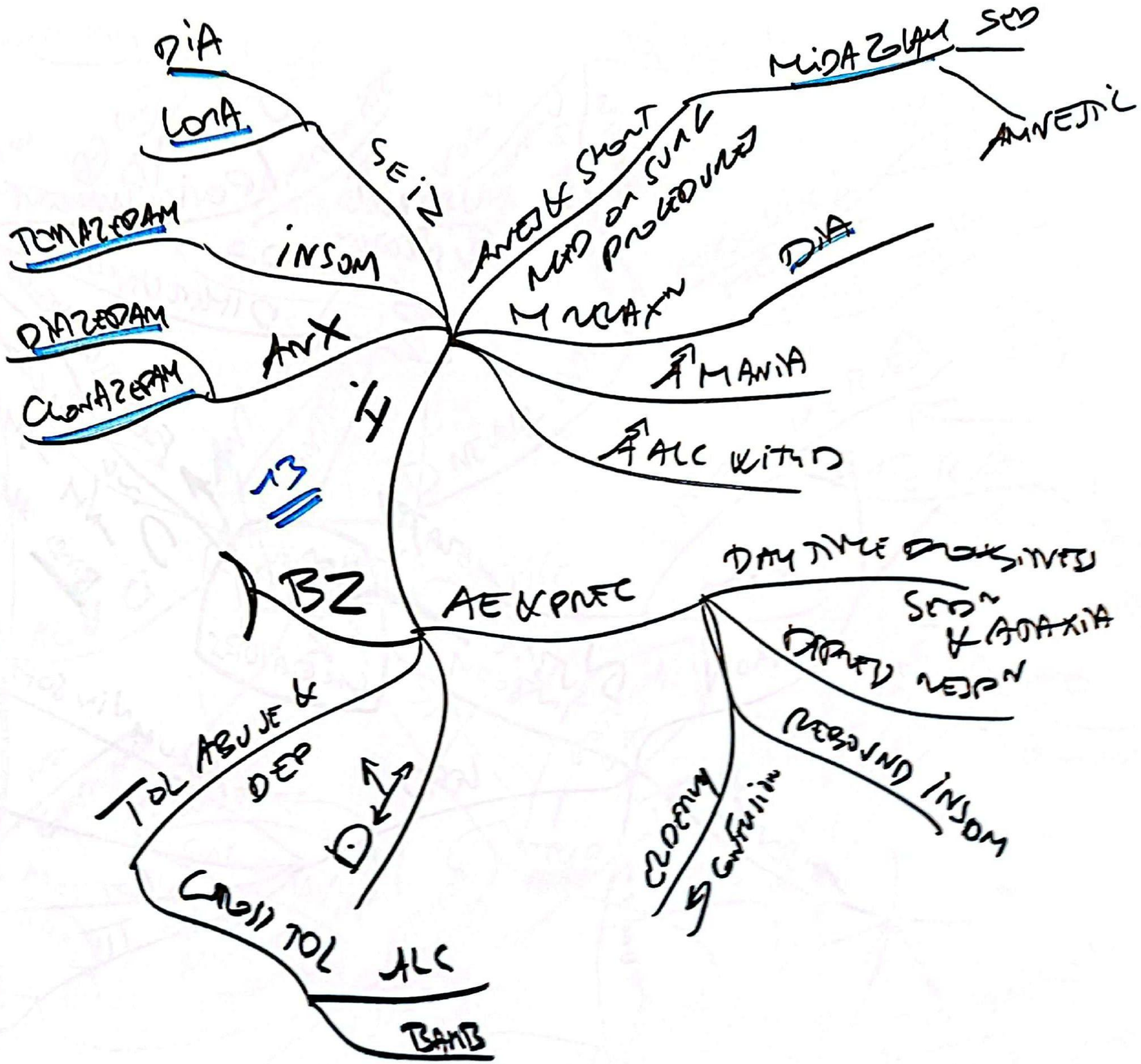


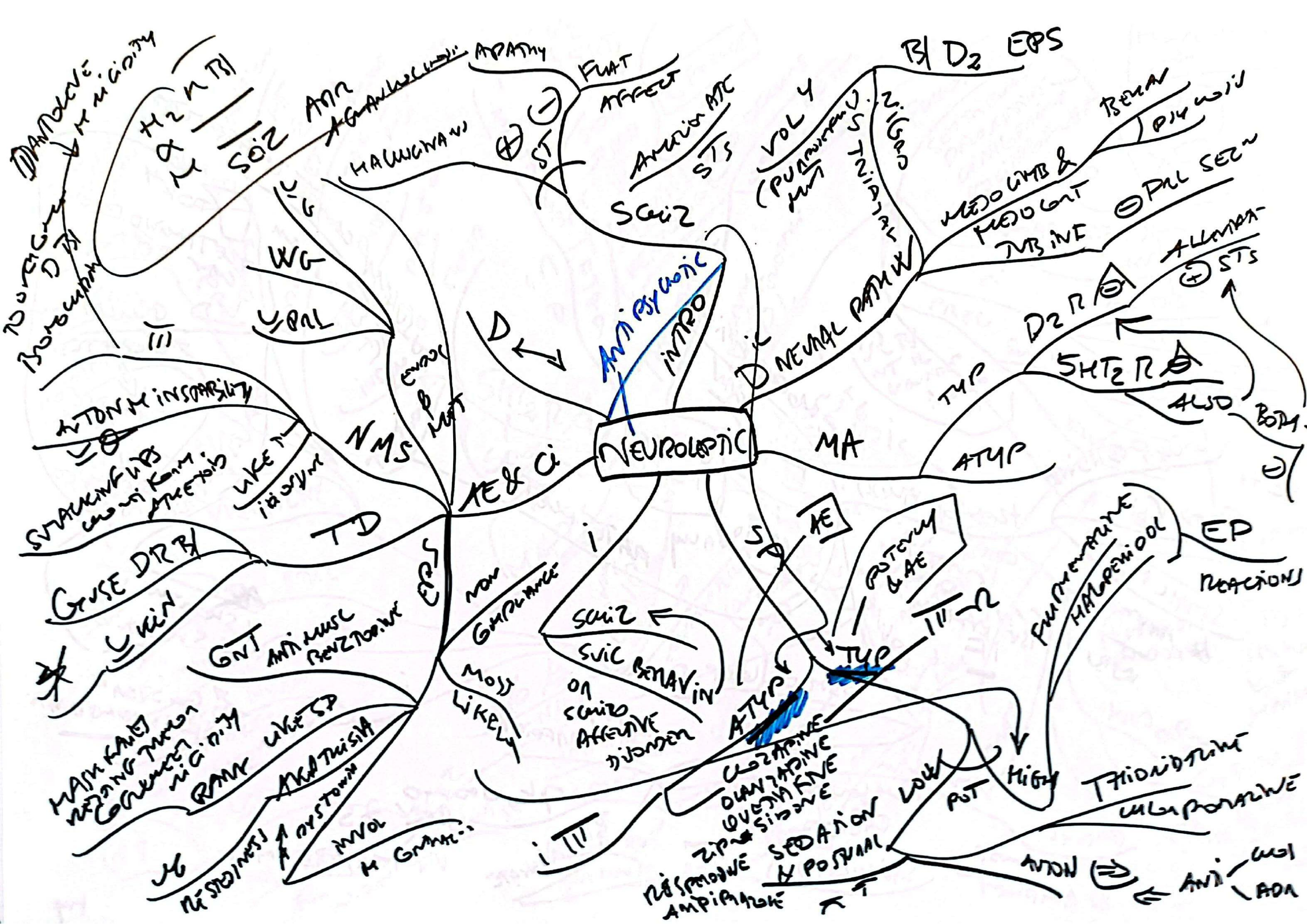
⑤ CNS

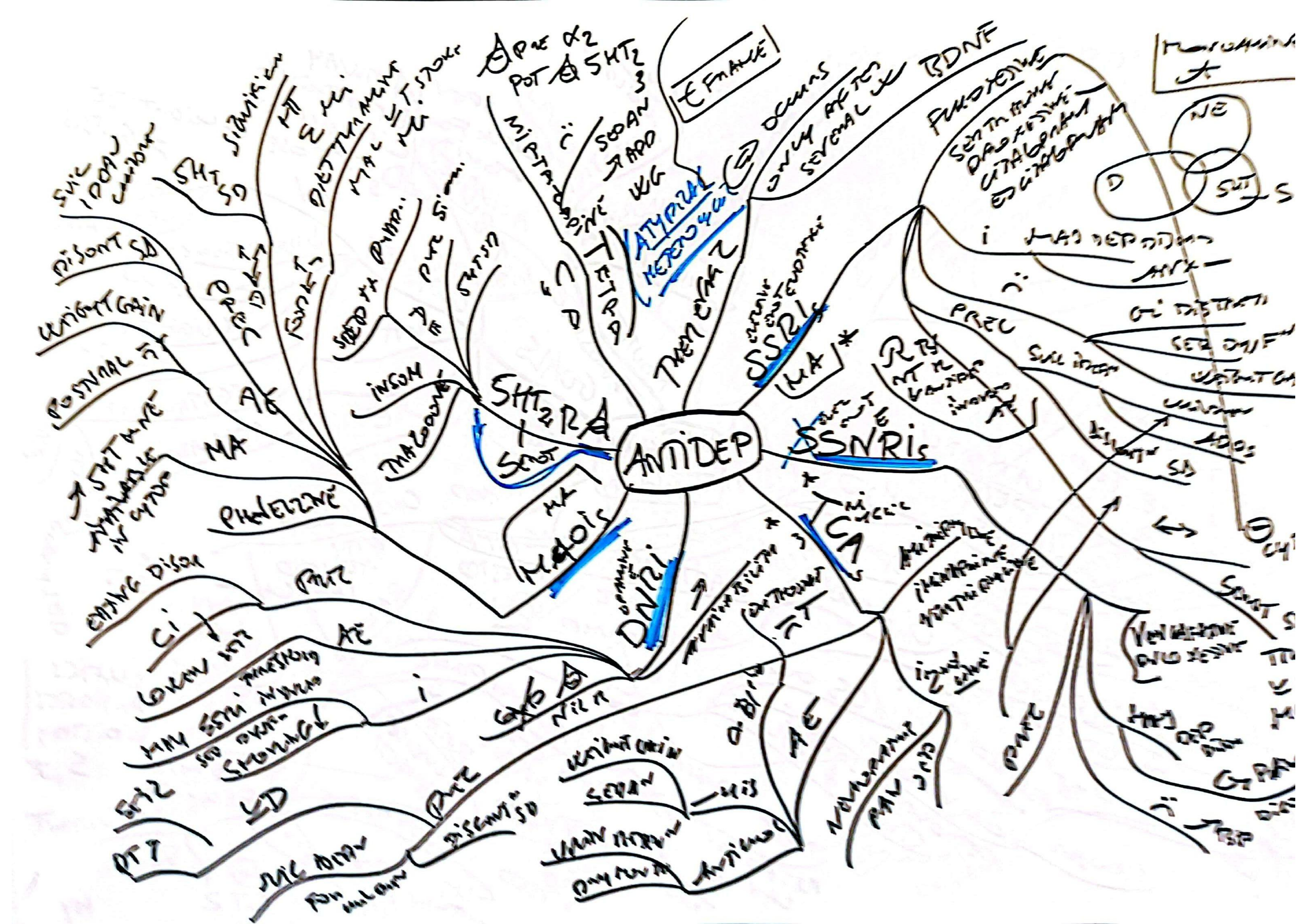
12 pages

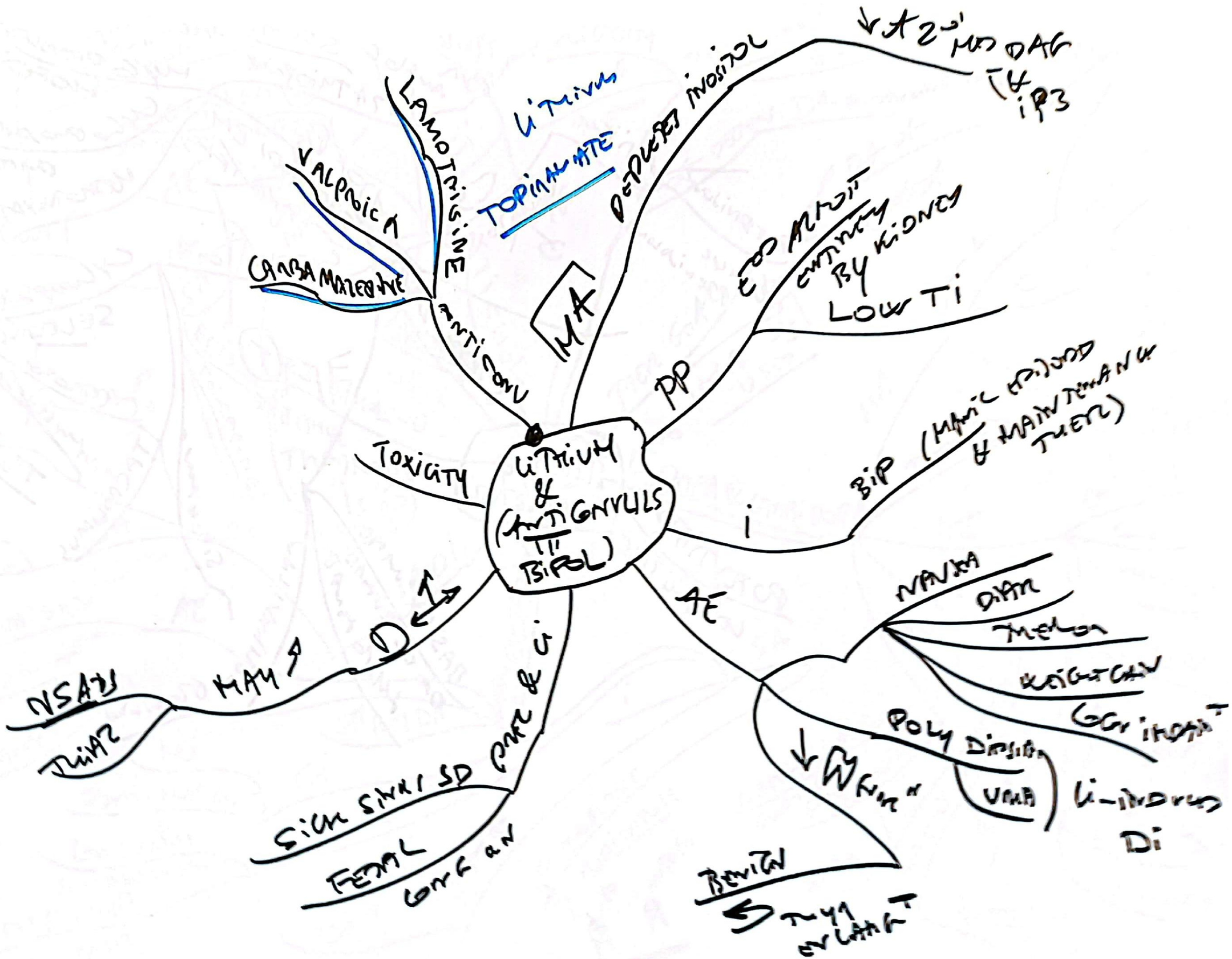


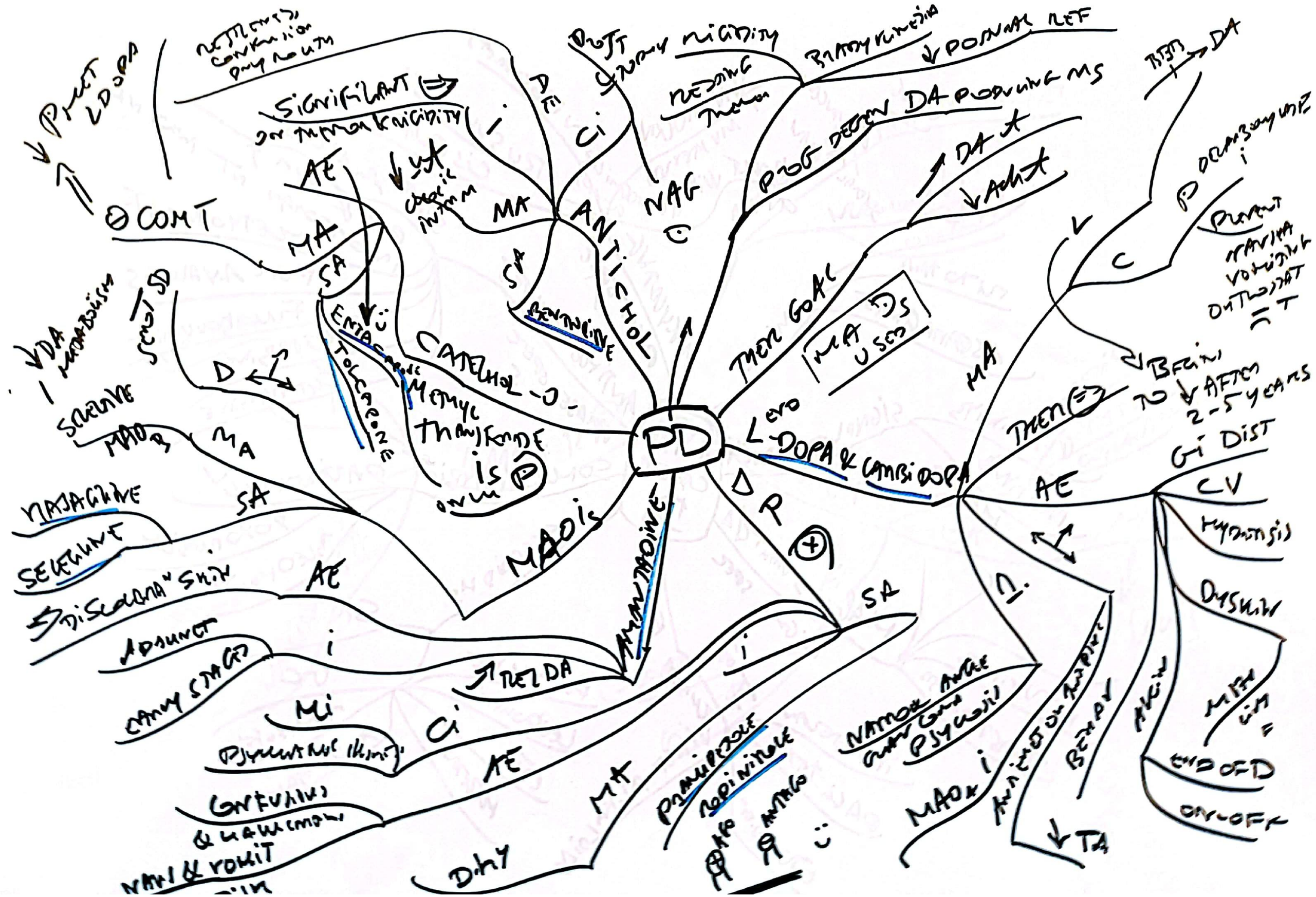

SEDATIVE HYPNOTIC
THEORETICAL D-R R FOR SED-HYP DS & BUSPIRONE
NEW GABA R Cl CA
DREAMS NOT DRIVEN
QUALITY IN LD
STRONG SED
AMOBARBITAL
METHOHEXITAL
PENTOB
PHENOB
SECOB
GP
PENTO
ALLOS PROLONG GABA
INDUCES OPENING OF Cl CHAN
ANX
RAMELTEON
SEL
MT1&2R
MELATONIN
SLEEP
BARB
CLASS & i
LOW
HIGHER
D
MA
GABA MIMETIC
AE & PREG
D
INDUCE
HEP MICROS ENZ
PORPHYRIN
PRECIPITATE ACUTE INTERMITTENT PORPHYRIA
GREAT MARGIN SAFETY CEILING
BIO T
BZ
GP
MA
PP
FREQ OPENING Cl GABA
R BZ 1 SEDATIVE
2 ANX MUSC REL ANTICONV
HIGHLY SOL
METED TO ACTIVE
MORE RAPID ONSET
ACTIVE
CLASS & INDI
M RELAX
ANESTH
i
ANX
SEIZ
INS
SHORT ACTING
FLURAZEPAM
DIAZEPAM
TEMAZEPAM
LORA
DIA
CMP PROLONGED DURATION
DIZZINESS
GEN ANX DISORD
1°
AGONIST
5HT1A R
SEROTONIN
NON BZ
AT
ANX WITHOUT SEDATION
BUSPIRONE
NON BZ
ZOLPIDEM
ZALEPLON
ESZOPICLONE
DAYTIME SEDATION
ST INSOMNIA
GABA
BZ1-R SITE SELECTIVITY
MINIMAL ANXIOLYTIC
FLUMAZENIL
CMP
BZ R
PREVENT
REVERSE
CNS
FROM BZ OVERDOSE
NOT BARB
ALCOHOL

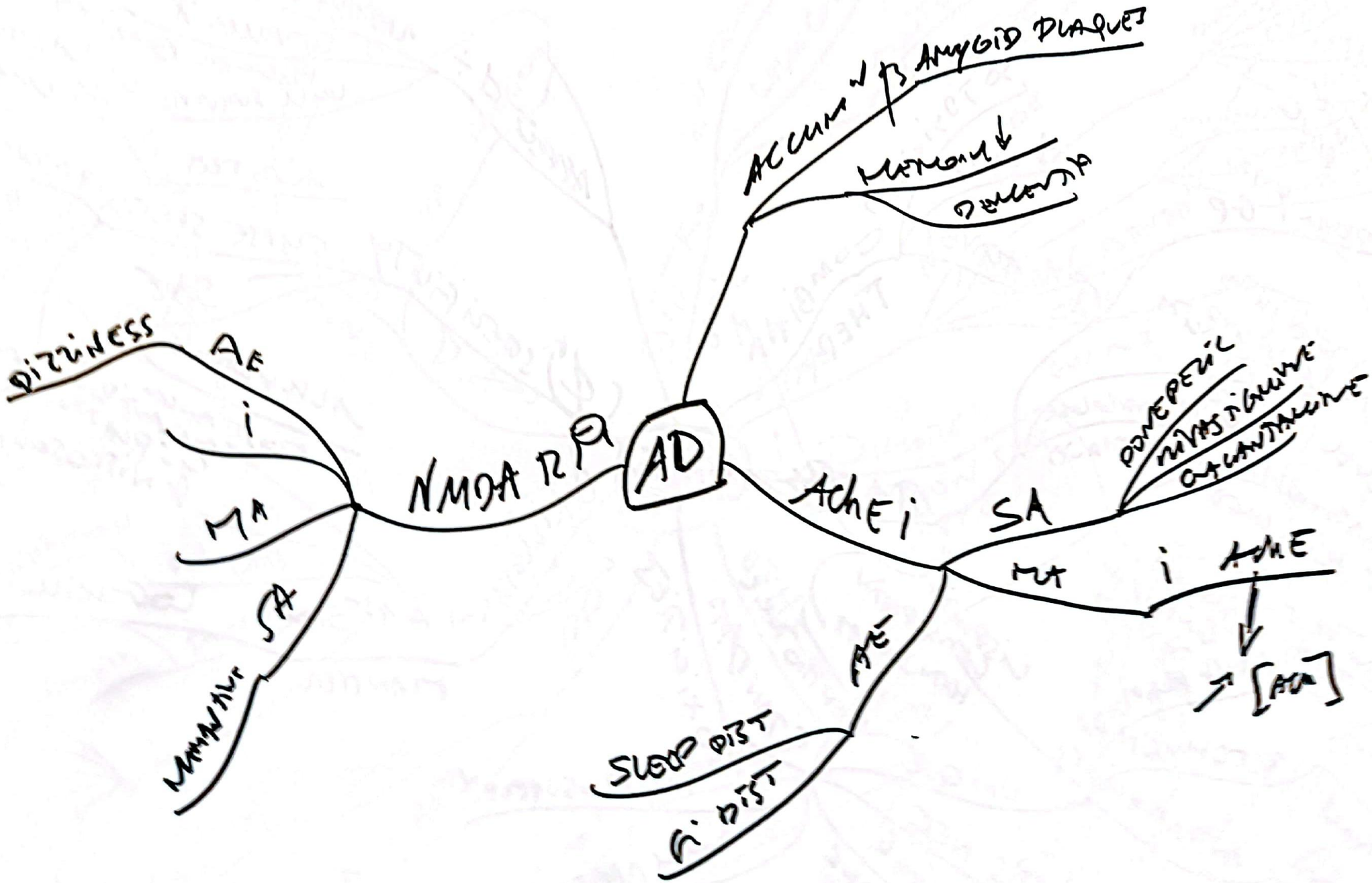

DIA
LORA
SEIZ
MIDAZOLAM SED
AMNESTIC
ANESTH SHORT
MAD ON SUBL
PROCEDURES
TEMAZEPAM
INSOM
DIA
DIAZEPAM
ANX
MUSCLAXIN
CLONAZEPAM
MANIA
ALC WITHD
13
BZ
AEXPREC
DAYTIME DROWSINESS
SEDN & ATAXIA
DIPPED VISION
REBOUND INSOM
CLOUDING & CONFUSION
TOL ABUSE & DEP
D
CROSS TOL
ALC
BARB

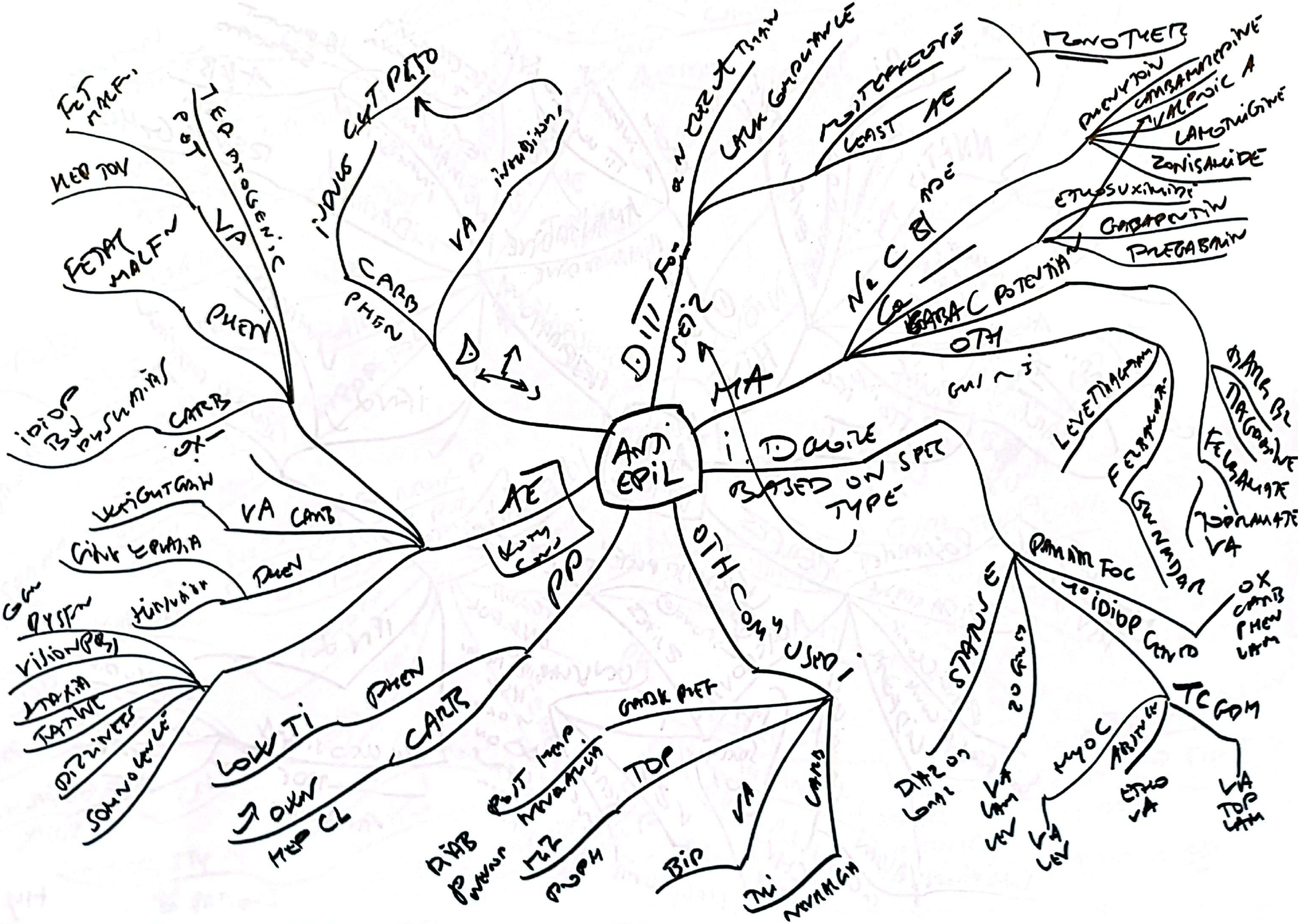

NEUROLEPTIC
MA
ATYP
TYP
AE & Ci
NMS
TD
EPS
GRISE DRB
GNT
ANTIMUSC
BENZTROPINE
MASKFACE
RESTLESSNESS
AKATHISIA
RAMP
LIKELY
SUICIDE
SUIC BEHAVIN
ON SCHIZO AFFECTIVE DISORDER
MOST LIKELY
NON COMPLIANCE
ANTIPSYCHOTIC
INTRO
D
NEURAL PATHWAY
SCHIZ
VOL
AMISULPRIDE
STS
FLAT AFFECT
APATHY
HALLUCINATIONS
SOZ
ANX
AGORAPHOBIA
DANGERS
MEDICITY
D2 EPS
BEHAV
POLYDIPSIA
MEDOLIMB & MEDOCRT
TRIBINE
PRL SECN
ALLOPATH
STS
D2R
5HT2R
ALSO
BOTH
TYP
ATYP
EP
REACTIONS
PHENOTHIAZINE
HALOPERIDOL
POTENT & AE
HIGH
POT
LOW
THIORIDAZINE
CHLORPROMAZINE
CLOZAPINE
OLANZAPINE
QUETIAPINE
ZIPRASIDONE
RISPERIDONE
AMPIPRAZOLE
SEDATION
& POSTURAL
ANTICHOL
ADR
AUTONOMIC INSTABILITY
SYMPATHETIC
CHOLINERGIC
APHEREIS
LIKE TYP
TD
GNT
ANTIMUSC
BENZTROPINE
MASKFACE
RESTLESSNESS
AKATHISIA
DYSTONIA
MVOL
MGRAND
LIKE SP
EPS
NON COMPLIANCE
MOST LIKELY
SCHIZ
SUIC BEHAVIN
ON SCHIZO AFFECTIVE DISORDER
ATYP
TYP
SP
AE
POTENT & AE
PHENOTHIAZINE
HALOPERIDOL
EP
REACTIONS
HIGH
POT
LOW
THIORIDAZINE
CHLORPROMAZINE
ANTICHOL
ADR
ANTI
DANGERS
MEDICITY
D2 R
SOZ
ANX
AGORAPHOBIA
APATHY
FLAT AFFECT
HALLUCINATIONS
SCHIZ
VOL
AMISULPRIDE
STS
D2 EPS
BEHAV
POLYDIPSIA
MEDOLIMB & MEDOCRT
TRIBINE
PRL SECN
ALLOPATH
STS
D2R
5HT2R
ALSO
BOTH
TYP
ATYP
EP
REACTIONS
PHENOTHIAZINE
HALOPERIDOL
POTENT & AE
HIGH
POT
LOW
THIORIDAZINE
CHLORPROMAZINE
CLOZAPINE
OLANZAPINE
QUETIAPINE
ZIPRASIDONE
RISPERIDONE
AMPIPRAZOLE
SEDATION
& POSTURAL
ANTICHOL
ADR
AUTONOMIC INSTABILITY
SYMPATHETIC
CHOLINERGIC
APHEREIS
LIKE TYP
TD
GNT
ANTIMUSC
BENZTROPINE
MASKFACE
RESTLESSNESS
AKATHISIA
RAMP
LIKE SP
EPS
NON COMPLIANCE
MOST LIKELY
SCHIZ
SUIC BEHAVIN
ON SCHIZO AFFECTIVE DISORDER
ATYP
TYP
SP
AE
POTENT & AE
PHENOTHIAZINE
HALOPERIDOL
EP
REACTIONS
HIGH
POT
LOW
THIORIDAZINE
CHLORPROMAZINE
CLOZAPINE
OLANZAPINE
QUETIAPINE
ZIPRASIDONE
RISPERIDONE
AMPIPRAZOLE
SEDATION
& POSTURAL
ANTICHOL
ADR

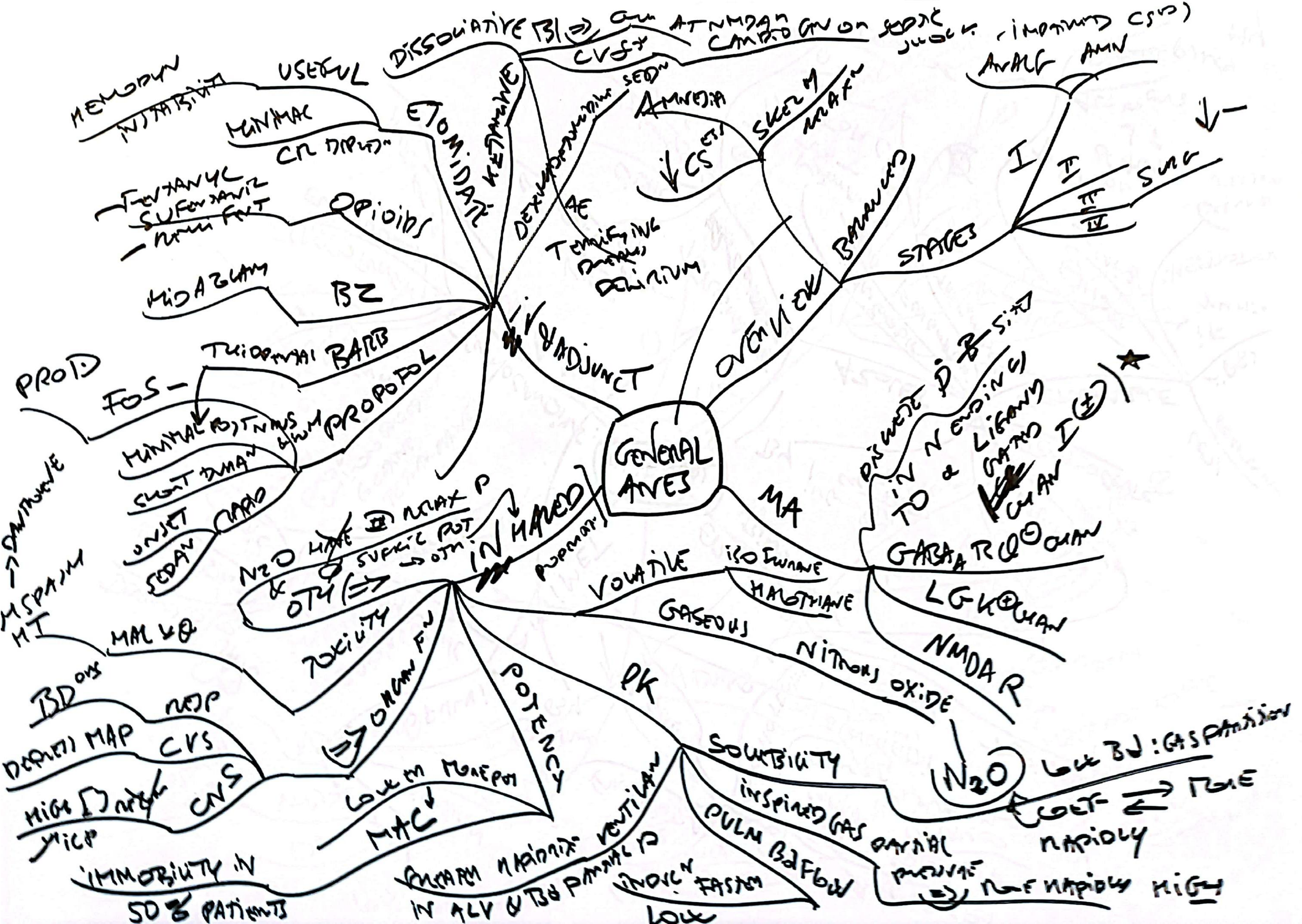

ANTIDEP
SSRIs
MA
SSNRIs
TCA
MAOIs
MA
DNRI
5HT2RA
SEROT
TETRA
ATYPICAL
MIRTAZAPINE
SEDAN
WG
BDNF
€ FRANCE
OCCURS ONLY AFTER SEVERAL
FLUOXETINE
PREC
AE
MA
PHENELZINE
DISCONT SD
WEIGHT GAIN
POSTNATAL
5HT SD
INSOM
SEDATIVE
AE
D
NE
5HT
SD
ADDS
WEIGHT GAIN
SEXUAL DYSF
AE
PREC
NIL
AE
SD
DISCONT SD
SEDAN
WEIGHT GAIN
↔

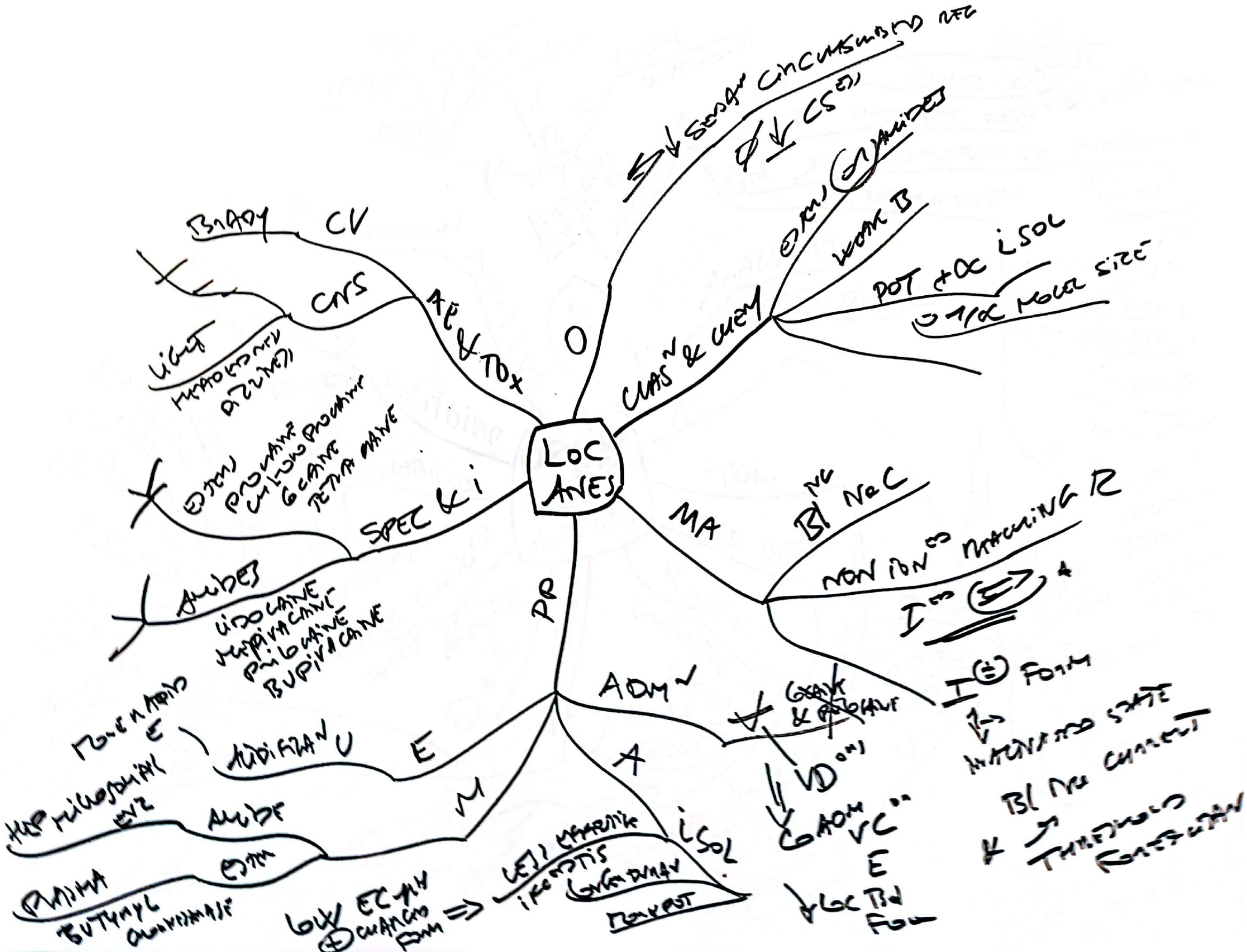

Lithium & (Anticonvulsants) (Bipol)
Anticonv
Lamotrigine
Valproic A
Carbamazepine
Lithium
Topiramate
MA
Depletes inositol
↓ A 2° mes DAG & IP3
PP
ECG almost entirely by kidneys
Low Ti
i
BIP (Manic episodes & maintenance tx)
AE
Nausea
Diarr
Tremor
Weight gain
Cognitive
Poly Dipsia
UMA
Li-induced DI
↓ WBC
Benign
Tmy enlarg
D
↑
MAY ↑
NSAIDs
Thiaz
Sick sinus SD pre & i
Fetal cardiac

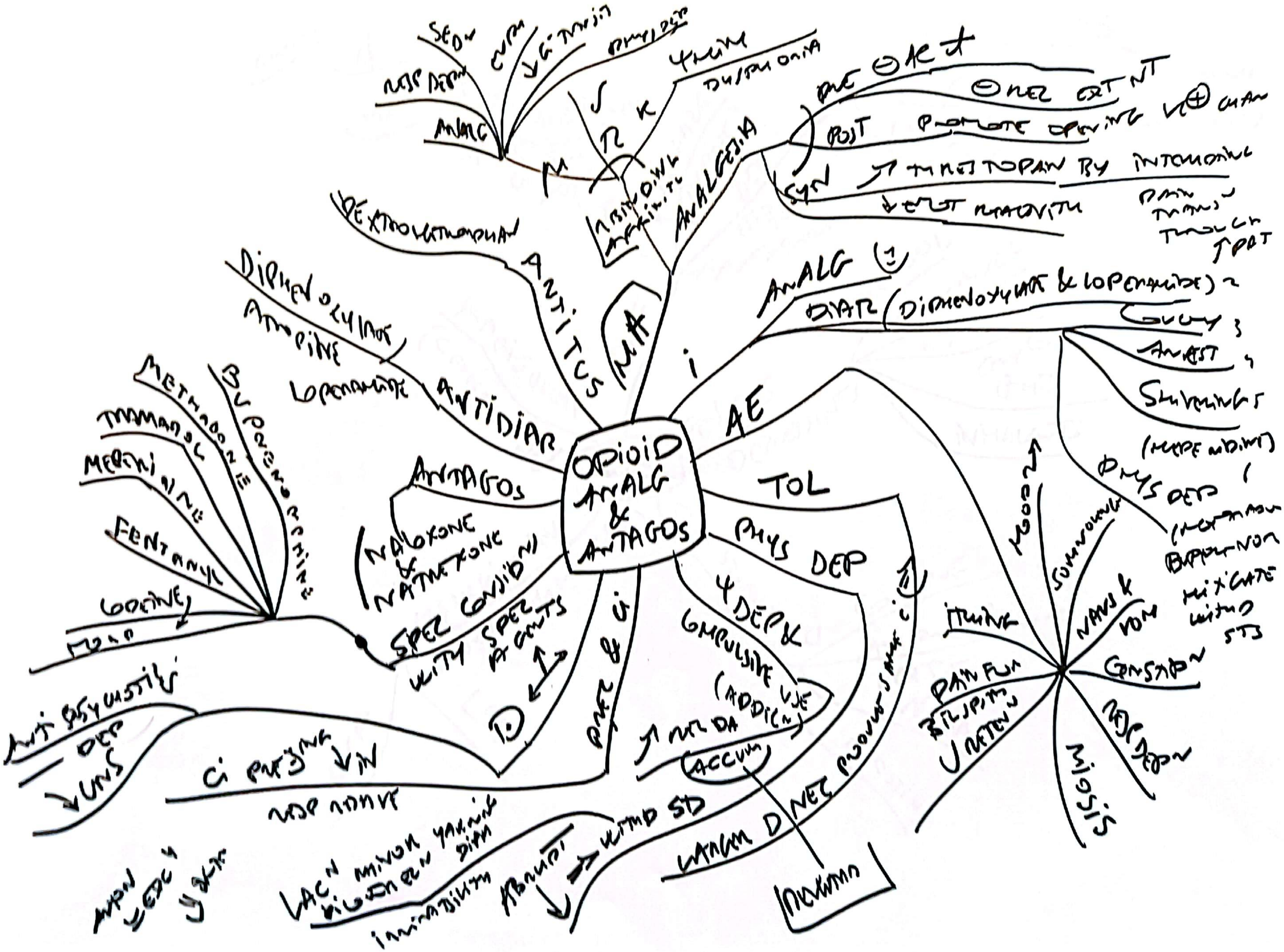

PD
L-DOPA & CARBIDOPA
DR ⊕
MAOIs
AMANTADINE
ANTICHOL
NAG
⊖ COMT
PROT L-DOPA
SIGNIFICANT
ON THERAPY
CATECHOL-O-
Methyl transferase is enzyme
THEN GOAL
MA DS USES
PROG DEGEN DA PRODUCING NS
DA ↑
Adult ↓
BRADYKINESIA
POSTURAL REF
RIGIDITY
RESTING TREMOR
BEGIN TO ↓ AFTER 2-5 YEARS
GI DIST
CV
HYPOTENSION
DYSKINESIA
END OF D
ON-OFF
MAO ↓
ANTIDEPRESSANT
BEHAV
TCA
NAMOX ANGLE
PSYCHOSIS
SA
AE
MA
DRY
PRAMIPEXOLE
ROPINIROLE
REL DA
Mi
Ci
Di
SELEGILINE
RASAGILINE
ADJUNCT
CANNY STACK
GRIEVING & HAUNCHING
NAH & ROKIT
DISCOMFORT SKIN
SENSE SD
DA METABOLISM
SCREENING
MAO B
⊖ COMT
MA
SA
AE
ENTACAPONE
TOLCAPONE
NEUROLEPTICS
PROTECTIVE
PROGRESSIVE
PLACEBO
VOLUNTARY OUTPUT
BEST → DA
L
C
MA

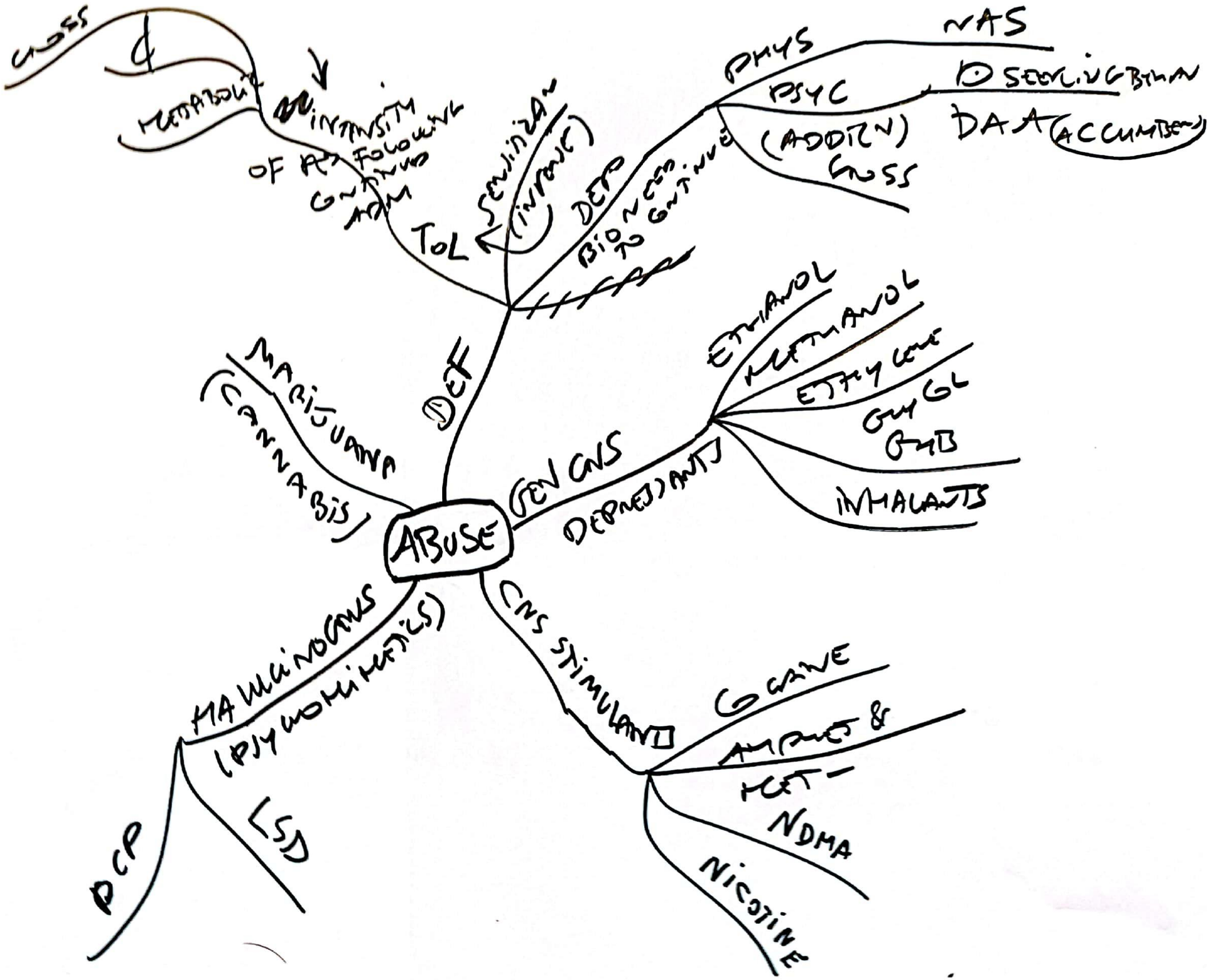

AD
Accum of β Amyloid plaques
Memory ↓
Dementia
NMDA R Ø
Dizziness
Ae
i
MA
SA
Mania/Anx
Ache i
SA
Dement
Mutagenic
Carcinogenic
MA
i
Ame
[Ach]
Ae
Sleep dist
Gi dist


ANTI EPIL
AE
PP
PHEN
CARB
VA
LOW TI
TOPIR
HEP CL
DIAB
PHENO
TIZ
PROPH
BIP
TRI
MIA
DILT
SERT
NEW CBZ
OTH
LEVETIRACETAM
FELBAMATE
GRANDAX
ZONISAMIDE
GABAPENTIN
PREGABALIN
MONOTHER
PHENYTOIN
CARBAMAZEPINE
VALPROIC A
LAMOTRIGINE
ETHOSUXIMIDE
PHENOBARB
PRIMIDONE
TC GEN
ABSENCE
MYOC
ATONIC
STATUS E
DIAZ ON GAIZ
VA LAM LEV
VA LEV
VA TOP LAM
OX CARB PHEN LAM
IDIOP GEN
IDIOP BY PHYSICIANS
FET MALF
HEP TOX
FEBRI MALF
VA CARB
GINK EPILEPSIA
VIGIOTGAN
GEN
PYSTAX
VISION PROB
ATAXIA
TAPTWC
DIZZINESS
SOMNOLENCE
OTH COMM USED
GABA REF
BUT IMP INVALIDA
TOP
VA
CARB
DIAB PHENO
TIZ PROPH
BIP
TRI INVALIDA
BASED ON SPEC TYPE
i. DIAGNOSE


GENERAL ANES
IV & ADJUNCT
DISSOCIATIVE
USEFUL
MEMORY
MINIMAL
ETOMIDATE
KETAMINE
DEXMEDETOMIDINE
AMNESIA
TERRIFYING DREAMS
DELIRIUM
CS
SKELETAL MUSCLE
OVERVIEW
BALANCED
STAGES
ANALG AMN
I
II
III
IV
SURG
OPIOIDS
MIDAZOLAM
BZ
THIOPENTAL
BARB
PROPOFOL
PROD
FOS
MINIMAL POTENTIAL
SHORT DURATION
ONSET
SEDATION
CARDIO
MYOCARDIAL
MI
MALIG
BD
NEUROP
DEPRESS MAP
CVS
HIGH [ ] NEUROL
CVS
MICP
IMMOBILITY IN 50% PATIENTS
MAC
LOW EM MORBIDITY
POTENCY
PK
SOLUBILITY
INSPIRED GAS PARTIAL PRESSURE
PULM BLOOD FLOW
INDUC FASTER
LOW
N2O
LOW BD: GAS EXPANSION
COEF
RAPIDLY
HIGH
MA
GABA
GLY
NMDA R
VOLATILE
ISOFLURANE
HALOTHANE
GASEOUS
NITROUS OXIDE
IN HALED
NEURAX P
TOXICITY
ONCOGENIC
N2O
OTHER
SUPPLIES PROT
PROPHYL
DANTROLENE
MALIG
BD
NEUROP
DEPRESS MAP
CVS
HIGH [ ] NEUROL
CVS
MICP
IMMOBILITY IN 50% PATIENTS
MAC
LOW EM MORBIDITY
POTENCY
PK
SOLUBILITY
INSPIRED GAS PARTIAL PRESSURE
PULM BLOOD FLOW
INDUC FASTER
LOW
N2O
LOW BD: GAS EXPANSION
COEF
RAPIDLY
HIGH
MA
GABA
GLY
NMDA R
VOLATILE
ISOFLURANE
HALOTHANE
GASEOUS
NITROUS OXIDE
IN HALED
NEURAX P
TOXICITY
ONCOGENIC
N2O
OTHER
SUPPLIES PROT
PROPHYL
DANTROLENE
MALIG
BD
NEUROP
DEPRESS MAP
CVS
HIGH [ ] NEUROL
CVS
MICP
IMMOBILITY IN 50% PATIENTS
MAC
LOW EM MORBIDITY
POTENCY
PK
SOLUBILITY
INSPIRED GAS PARTIAL PRESSURE
PULM BLOOD FLOW
INDUC FASTER
LOW
N2O
LOW BD: GAS EXPANSION
COEF
RAPIDLY
HIGH


LOC ANES
SPEC & i
ESTERS
PROCAINE
CHLOROPROCAINE
BENZOCAINE
TETRACAINE
AMIDES
LIDOCAINE
MEPIVACAINE
PRILOCAINE
BUPIVACAINE
BRADY
CV
CNS
LIGHT
HYPOTENSIVE
BRADYCARDIA
TE & TOX
O
SENSORY CONCENTRATION DEC
CS
CLASS & CHEM
ESTERS
AMIDES
WEAK B
POT ↑ α ISOL
↑ 1/α MOLEC SIZE
MA
BL NeC
NON IONS
MACHINE R
I
I (±) FORM
INACTIVATED STATE
BL DEC CURRENT
THRESHOLD
PROTECTION
PR
ADM
GENERAL & PROCAINE
VD
CLOAD
VC
E
LOC BLD FLOW
A
ISOL
LIPOPHILIC
LIPOSOL
LONG DURAT
POTENT
LOW EC ACT
CHANGE FORM
M
E
AMIDE
ESTER
AMIDE
ESTER
MORE HYDROPHILIC
MORE LIPOPHILIC
BUTYRYL
CHLOROPROCAINE


OPIOID ANALG & ANTAGOS
ANALGESIA
ANTITUS
ANTIDIAR
DIPHENOXYLATE
ATROPINE
LOPERAMIDE
DEXTROMETHORPHAN
ANTAGOS
NALOXONE & NALTREXONE
SPEC CONSIDN WITH SPEC AGENTS
D
TOL
PHYS DEP
PSYCH DEP & COMPULSIVE USE (ADDICTION)
ACCUM
NEUROADAPTATION
CROSS TOL
ANALG
DIAT (DIPHENOXYLATE & LOPERAMIDE)
GOUT
ANAST
SHIVERING
PHYS DEP (HEPATOMEGALY, HYPERTENSION, BRADYPNEA, MEIOSIS, WITH STS)
MOOD
SOMNOLENCE
NAUS & VOM
CONSTIPATION
RESPIRATION
MIOSIS
PAIN FUN
REFLEXES
URETERS
ITCHING
AE
METHADONE
BUPRENORPHINE
TRAMADOL
MEPERIDINE
FENTANYL
CODEINE
MORPHINE
ANTI DIARRHEAL DEP
VOMS
CI PRESENT IN RESPIRATORY
LAC MINOR YAWNING DIAR
IMMOBILITY
ABRUPT
WITHD SD
LARGE DOSES PROVOKE SIMILAR S/S
NEUROMA
PAIN
SEDN
CNS
GI MOTILITY
URINARY RETENTION
RESPIRATION
ANALG
DYSPHORIA
PRE
POST
SYN
OPIOID ANTAGONISTS
PROMOTE OPIOID
THRESHOLD PAIN BY INTERFERING
DECREASE MOTILITY
PAIN TRANS THROUGH PRE


ABUSE
DEF
TOL
SENSITIZATION
(INTOXIC)
DEPENDENCE
PHYS
PSYC
(ADDICTN)
NAS
DOPAMINE
DA
ACCUMBENS
MARIJUANA
(CANNABIS)
GEN CNS
DEPRESSANTS
ETHANOL
METHANOL
ETHYLENE
GLYCOL
GHB
INHALANTS
HALLUCINOGENS
(PSYCHOMIMETICS)
PCP
LSD
CNS STIMULANTS
COCAINE
AMPHETS &
MET-
NDMA
NICOTINE