

GENERAL PRINCIPLES OF DRUG ACTION

PHARMACO-KINETICS

LOADING D
 MAINTENANCE D RATE
 STEADY STATE AFTER
 INFUSION &
 MULTIDOSE ADMIN

MULTIDOSE
 $t_{1/2}$

DISTRIBUTION & ELIMINATION
 1 COMPARTMENT MODEL
 2 -
 0 - EN
 1ST ORDER EN

NET RENAL
 ROUTES
 CLEARANCE
 3 SEPARATE PROCESSES

EXCRETION

BIOTRANSFORMATION METABOLISM

HEPATIC EXTRACTION
 1ST PASS EFFECT
 EXTRACTION RATE

ENZ CATALYZING
 PHASE I & II
 GUYENON TRANSFERASE
 LYTOXIMASE P450
 MONOOXYGENASE
 (MIXED FUNCTION)

GENERAL PROPERTIES
 CLASSIFICATION REACTIONS
 PHASE I NON SYNTHETIC
 II SYNT

D-R

RELATIONSHIPS

ABSORPTION

DISTRIBUTION

ELIMINATION & TERMINATION

Mechanisms

EFFECTS
 GRADED
 QUANTAL
 D-R CURVES
 TI
 ED50
 MAGNITUDE OF RESPONSE

TRANSPORT ACROSS ROUTES
 ADMINISTRATION
 ORAL
 PARENTERAL
 OTHER

BINDING BY PLASMA PROT
 GEN FEAT

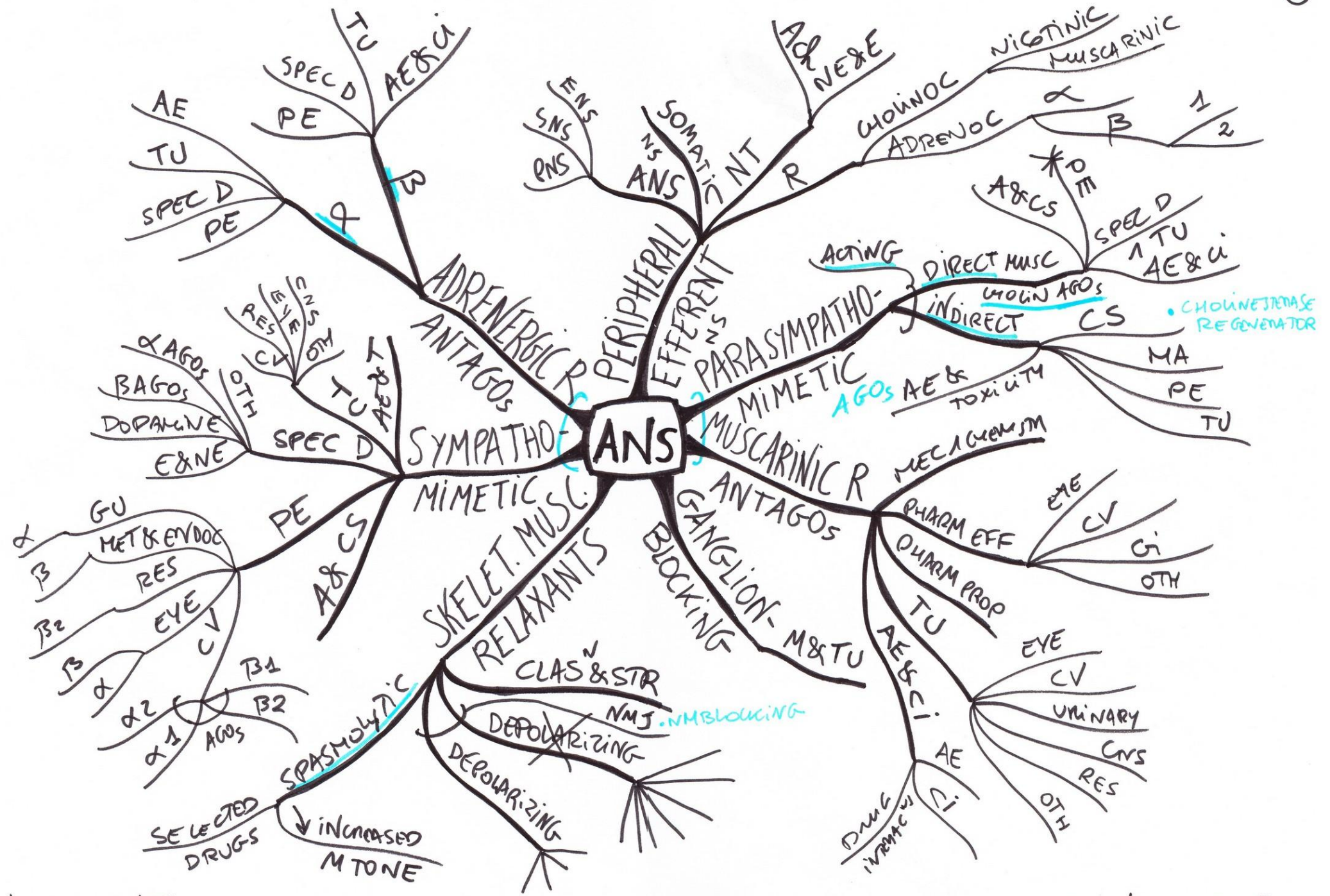
RATE
 CL
 1ST ORDER
 0 -

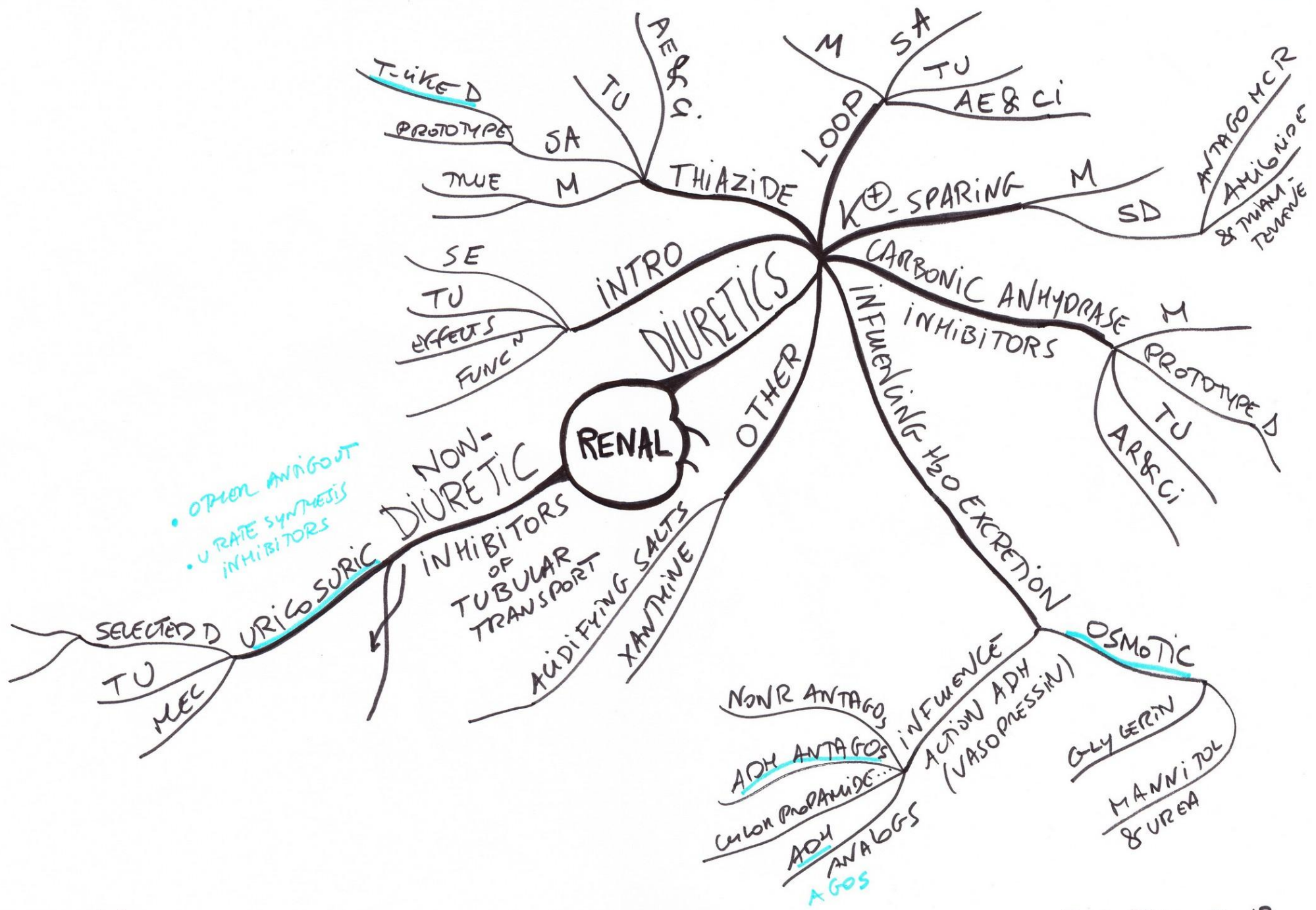
SPECIFIC ORGAN
 WHOLE BODY
 PLASMA

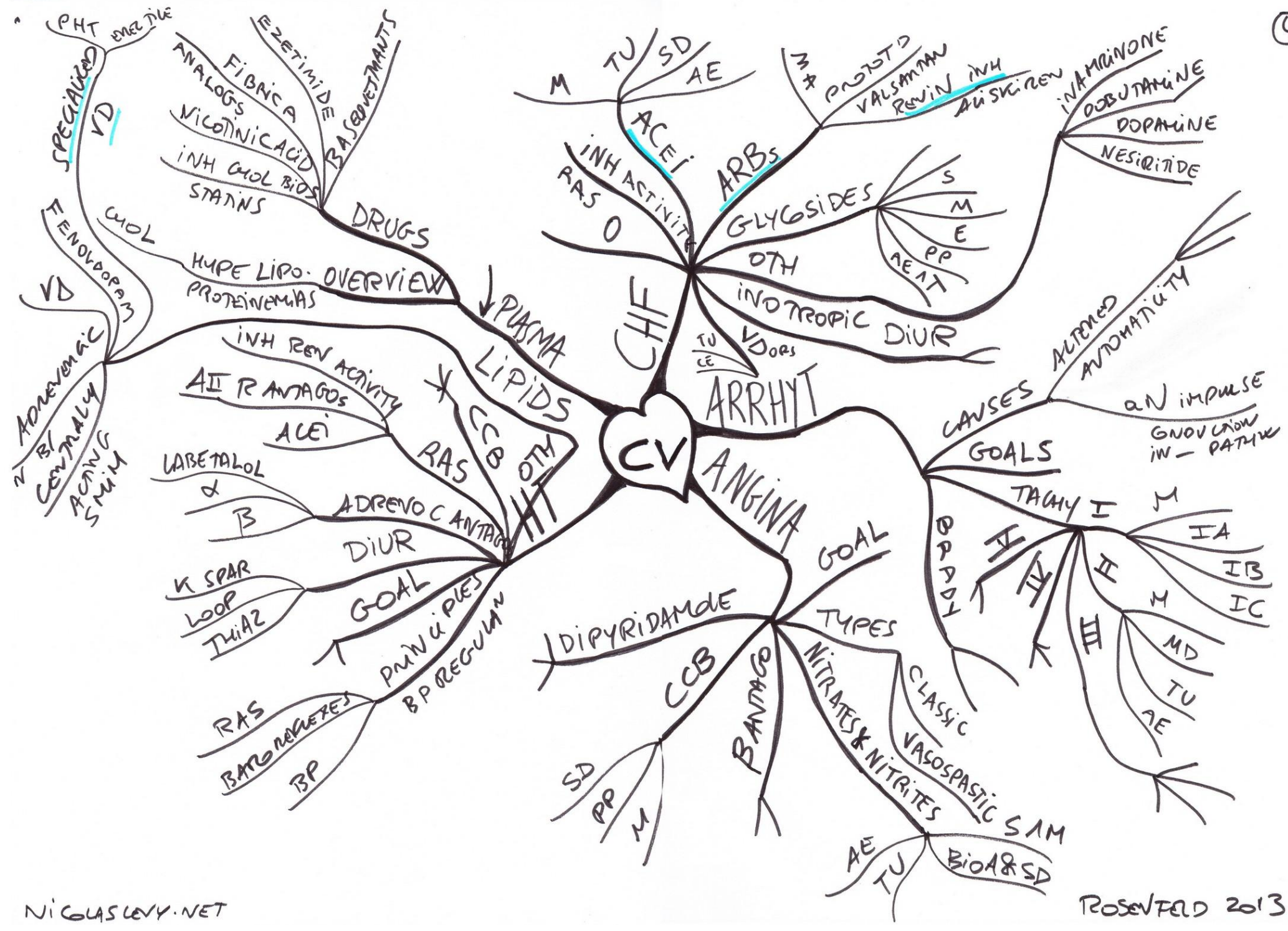
INTRINSIC ACTIVITY
 POTENCY
 EFFICACY
 SLOPE
 VARIABILITY

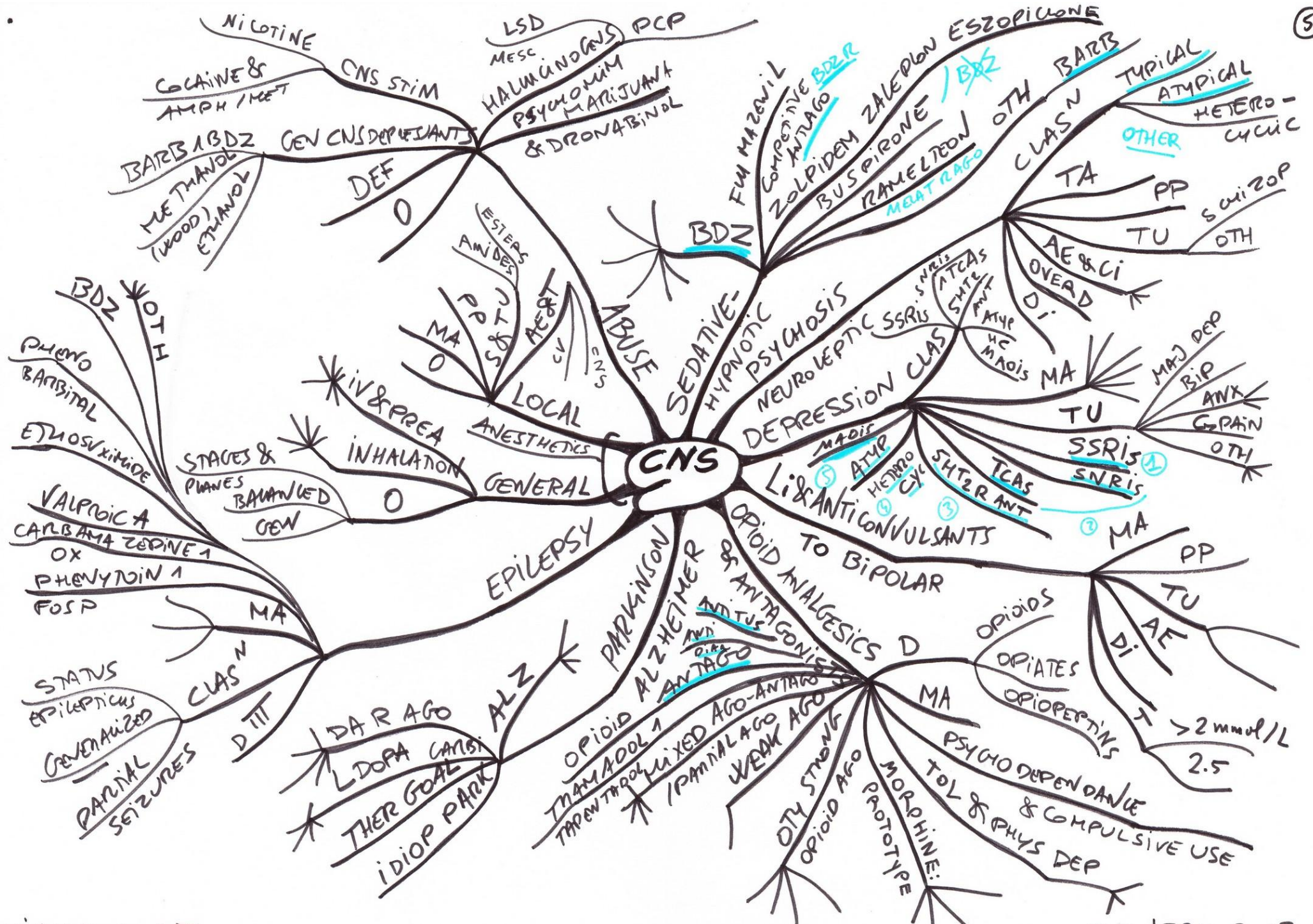
DIFFUSION UNIONIZED
 WEAK ELECTROLYTES
 ACTIVE FILTRATION
 FACILITATED DIFFUSION

IMPORTANCE \sqrt{d}
 B/F FLOW
 REDISTRIBUTION
 BARRIERS









ANEMIA HEMOSTASIS

