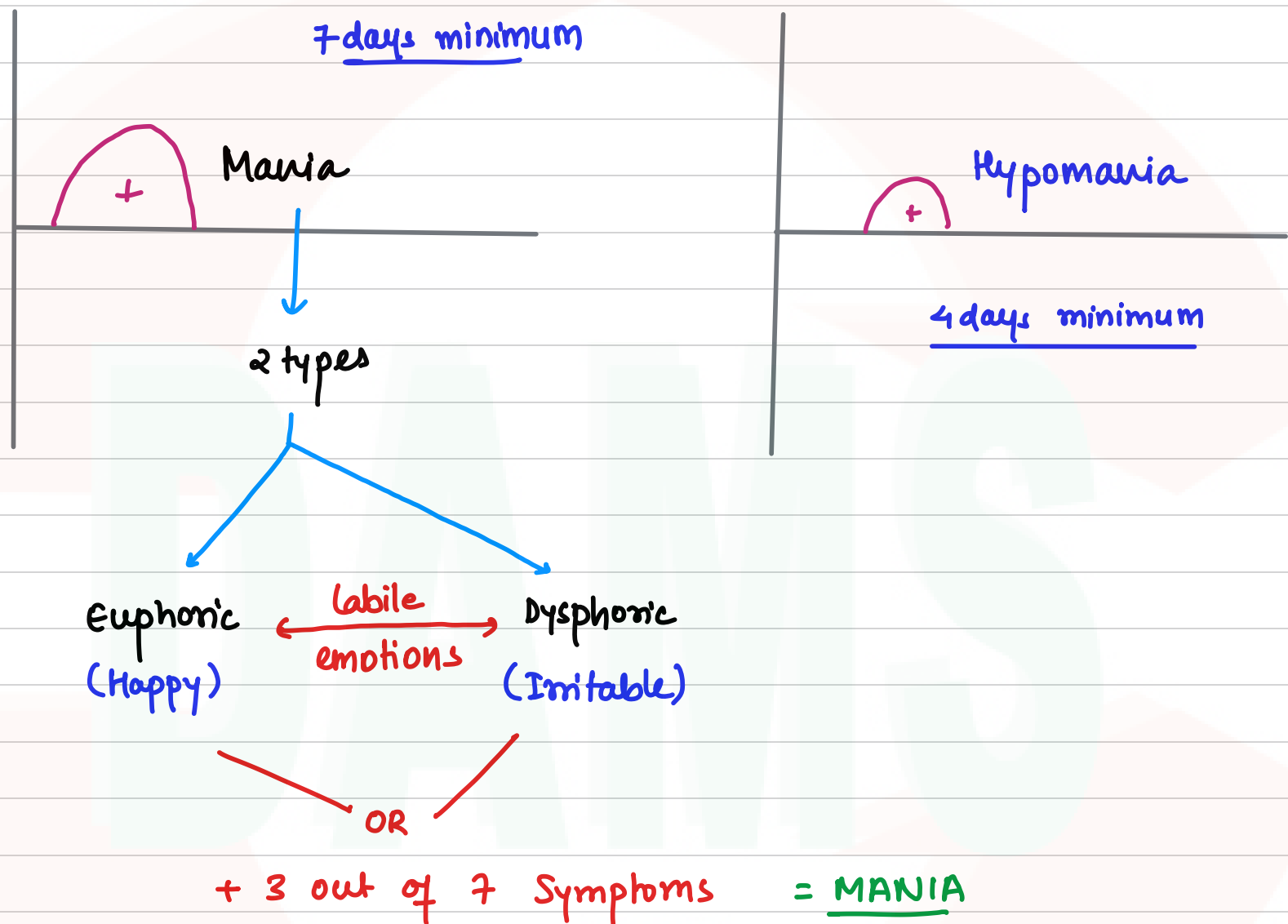


MANIA



D Distractibility (poor Attention Span)

I Increased interest in pleasurable activities eg. Substance use
 ↑ libido
 Spending Spree

G Grandiosity

F Flight of Ideas

A Activity ↑ (Goal Directed) ⇒ Society welfare
 overgenerous (Donation)
 over-religious
 political.

S Sleep ↓ (need of sleep ↓)

T Talkativeness (Logorrho^a)

E Energy levels ↑

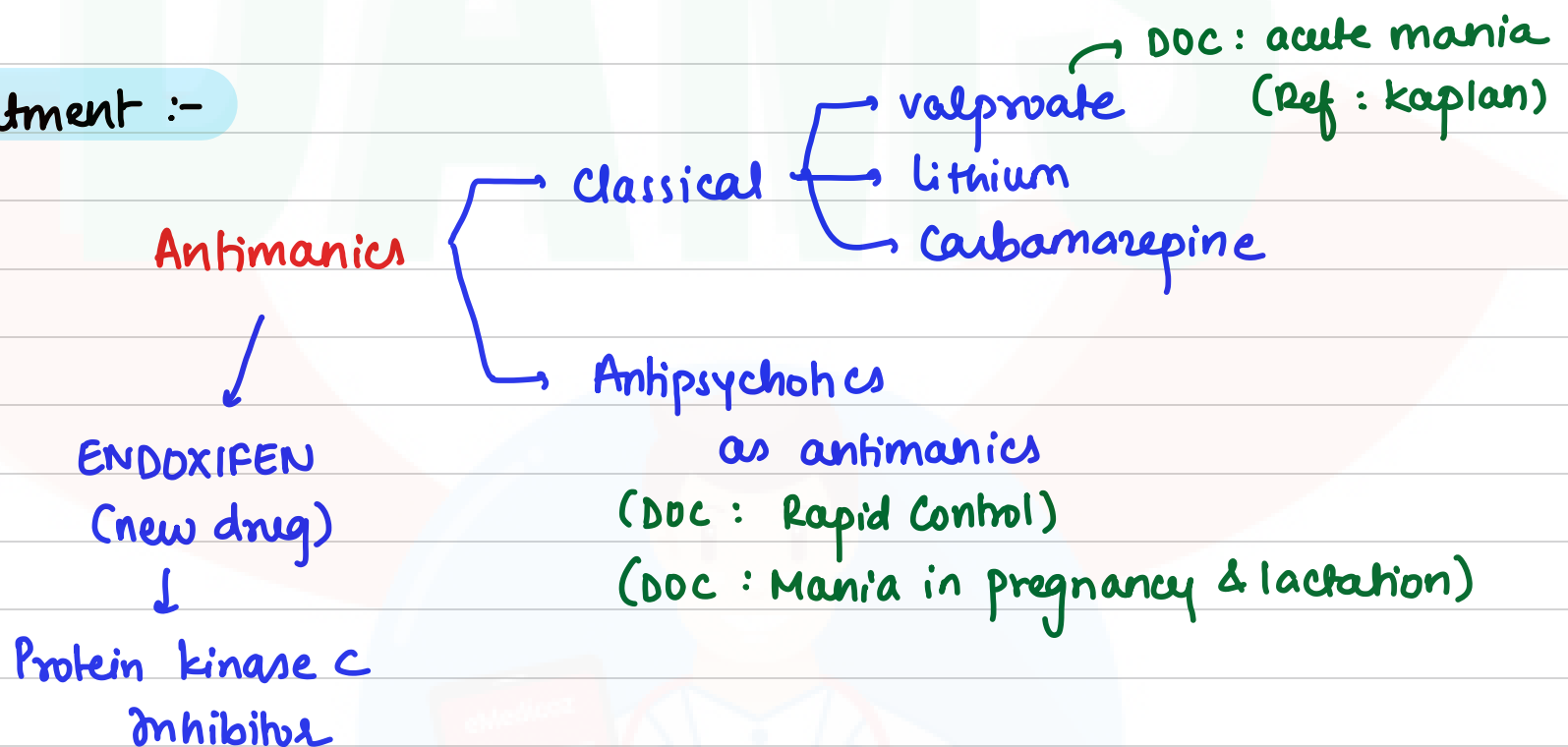
R Reckless / Risk taking behaviour

Rarely suicide Attempt.

→ Neurotransmitters :-

NE ↑
Dopamine ↑

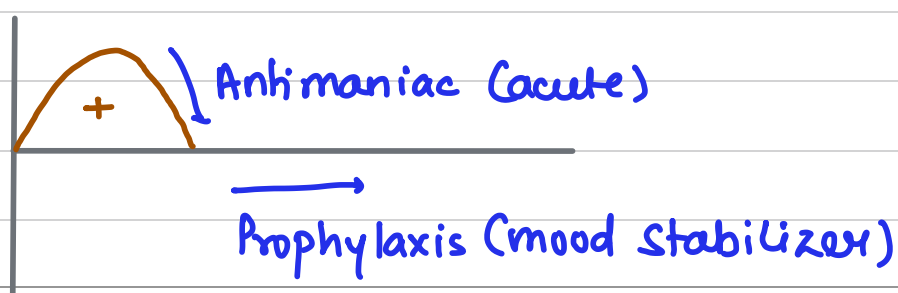
→ Treatment :-



ANTI-MANICS

→ High dose (high blood levels)

= Mood Stabilizers (low dose = low blood levels)



eg. LITHIUM :- blood level

↓
0.6 - 1.2 meq/L IN CET 2022

effective

0.6 - 0.8
Maintenance

0.8 - 1.2
Acute Mania

>1.5 : Toxicity Starts

>2 : Severe
lithium toxicity

>4 : Renal failure
↓
Hemodialysis

800 - 1200 mg/day
(DOSE)

↓
fasting for Religious
Reasons

↓
↓ water

↓
↑ S.S. Li levels

↓
Toxicity

→ lithium requires blood level monitoring

(Li)
600 mg

1 - 0 - 1

↓
after
breakfast
9 AM

↓
after dinner
9 pm

→ Li attains steady state plasma Conc. in 5 days 10

→ 1st Dec Lithium started

↳ till 5th dec (1-0-1)

6th morning → Sample → 9 AM

After 12 hours of last dose :

Serum Lithium levels to be Sent &

After giving blood sample, patient
can take 6th day morning dose
also. no fasting needed.

→ Pre-Lithium investigations :-

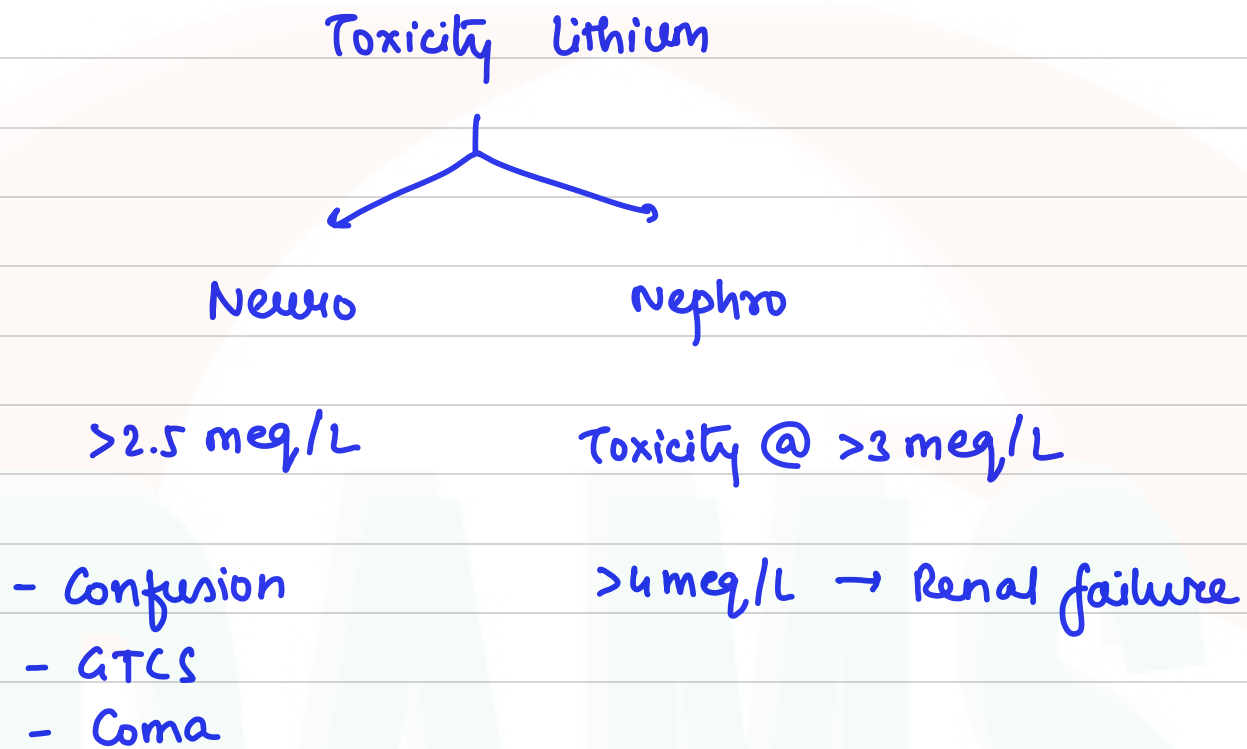
- 1) Serum Creatinine
- 2) Serum fasting TSH
- 3) ECG (T-wave changes)
- 4) Pregnancy test (EBSTEIN'S ANOMALY)

↓
Teratogenicity

→ Common Adverse effects of lithium :-

- 1) Fine Tremors
- 2) GI Distress
- 3) Polyuria, Polydipsia (DI)
- 4) Dermatological (Acne, Rash, Psoriasis)

→ Toxicity :- COARSE TREMORS. Ⓢ



• VALPROATE 50 - 150 µg/mL (therapeutic effect)

→ Pre-valproate tests :-

- 1) SGOT, SGPT
- 2) Pregnancy test
 - ↳ neural tube defects.
 - Max. Teratogenic

→ Common Side effects :-

- 1) Alopecia
- 2) weight gain
- 3) PCOD

→ Rare Side effects :-

- 1) Hyperammonemia
- 2) Pancreatitis
- 3) Thrombocytopenia
- 4) Hepatotoxicity

Carbamazepine

4-12 µg/mL effective

SGOT, SGPT

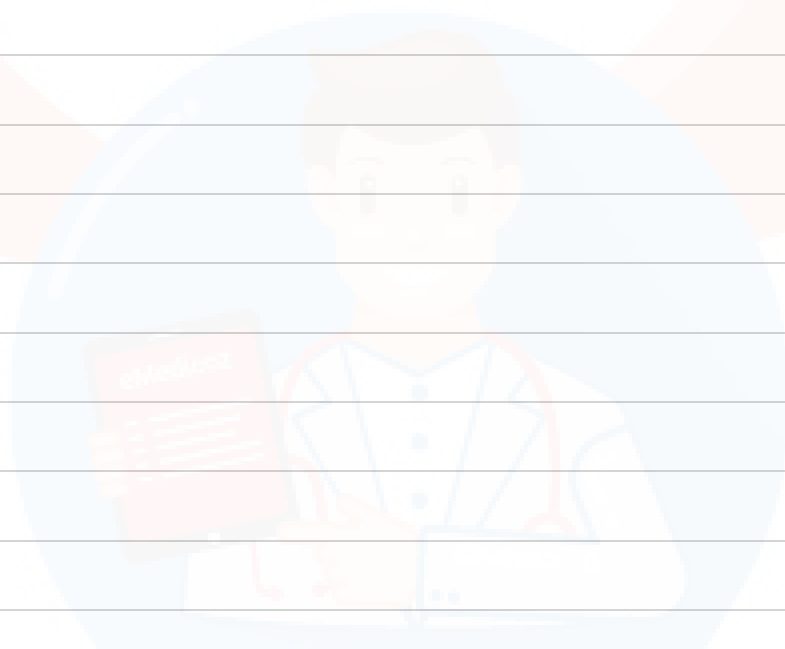
Pregnancy test (Teratogenic)

S/E : Aplastic Anemia } Idiosyncratic
Agranulocytosis
Rash → SJS
Dizziness
vertigo

oxcarbazepine

less dermatological S/E

More hyponatremia (INICET 2022)



eMedicoz