

Day 1

* What are the causes of encephalopathy?

[1] Metabolic causes

1. hypoglycemia: reversible, Can't cause brain damage
tft: $\begin{cases} \rightarrow \text{conscious} \rightarrow \text{water + sugar} \\ \rightarrow \text{unconscious} \rightarrow \end{cases}$

2. hyperosmolar status

* complication of diabetes $\rightarrow$ Acute $\begin{cases} \rightarrow \text{DKA} \\ \rightarrow \text{hypoglycemia} \\ \rightarrow \text{hyperosmolar status} \end{cases}$ } HHS
 $\rightarrow$ Chronic

3. hypercalcemia, hypocalcemia

4. hypernatremia, hyponatremia

5. uremia $\Rightarrow$ indication for urgent dialysis

6. Addison crisis

7. Hypothyroidism / Hyper

8. Severe vit B12 deficiency

[2] Infection

1. CNS infection $\rightarrow$ Meningitis

[3] Sepsis $\rightarrow$ Septic encephalopathy

[4] CVA

[5] Respiratory failure

[6] severe heart failure

[7] Epilepsy

[8] Hepatic encephalopathy

* Hepatic encephalopathy → ammonia can cross BBB
 has 5 grades → 0 conscious, oriented
 1 sleep disturbance
 2 confusion ← $\left[\begin{array}{l} \text{فقدان الذاكرة} \\ \text{فقدان الذاكرة} \end{array} \right.$
 3 stupor ← $\left[\begin{array}{l} \text{فقدان الذاكرة} \\ \text{فقدان الذاكرة} \end{array} \right.$
 4 coma

ttt: lactulose "non absorbable disaccharide" → break down in intestine

cause
 → acidification process absorbable with NH_3 then become NH_4 "absorbable"
 → laxative
 → bacteriostatic antibiotics

→ we give him 30cc until he pass a stool then 20-30cc every 8h

* What are the causes of mouth ulcer?

1- IBD 2- Behcet 3- Celiac 4- SLE painless

* What is glossitis? $\left[\begin{array}{l} \text{اللسان} \\ \text{اللسان} \end{array} \right.$ Beefy tongue

smooth, red, loss of papilli in B_{12} defic. anemia

* When posterior fontanel close?

Immediately at birth may up to 3 months

* What are the causes of DVT?

liver cirrhosis

severe heart failure

IBD

Nephrotic syndrome "loss of antithrombin 3"

→ periorbital edema at the morning
 → wt gain

Behcet disease

Inherited disease

SLE

Miscarriage in female

Malignancy → esophageal cancer, pancreatic cancer "most common"

Major surgery

Travel for too long time

Drugs → heparin HIT

Polysythemia

سؤال ٥٥ ⇒ The causes of generalized lymphadenopathy ?