

Growth hormone side effects in children

- Hypothyroidism ↓
- Hyperglycemia ↑

Intracranial pressure increases

GH is HIS drug

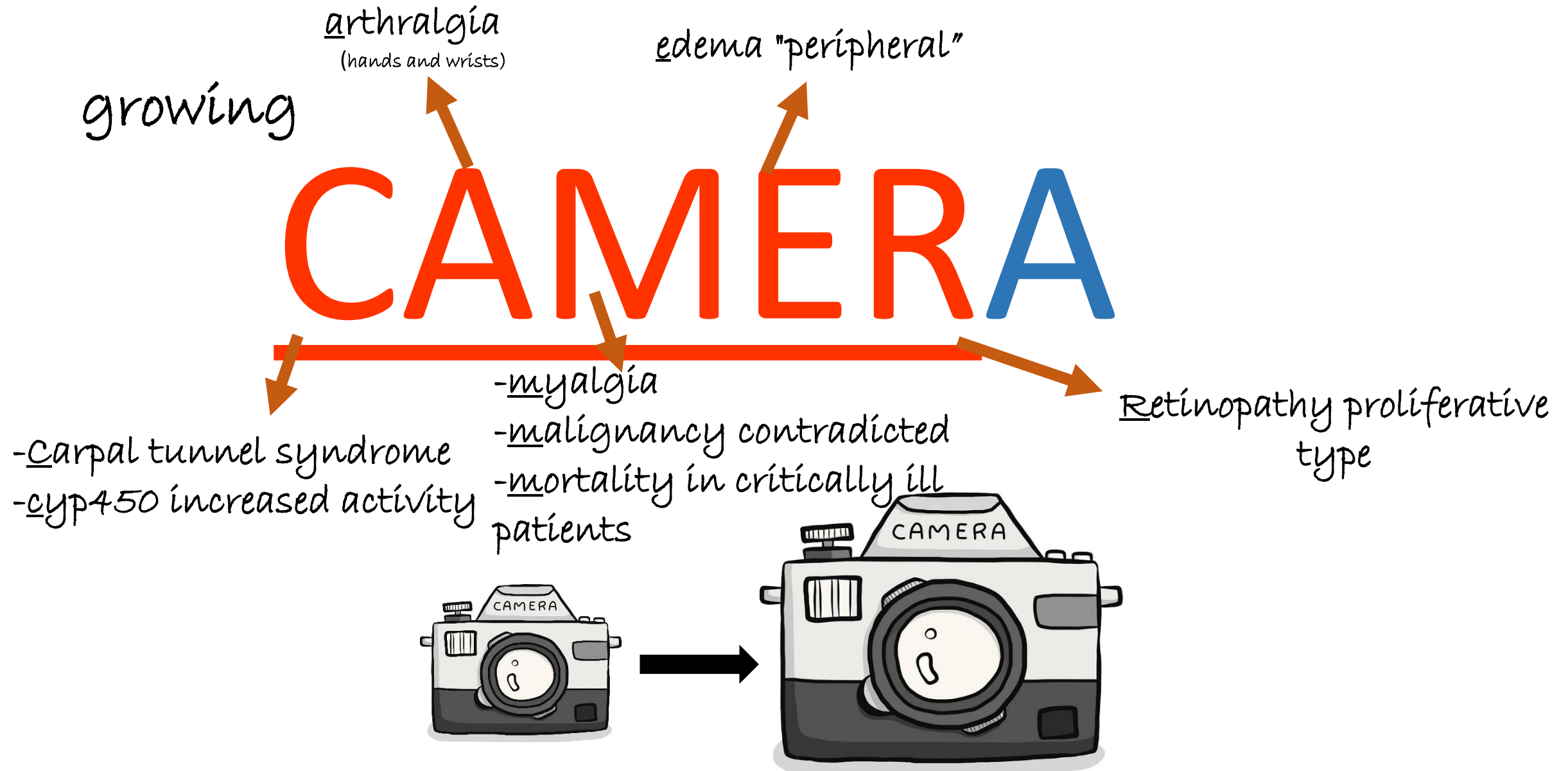
- Slipped capital femoral epiphysis
- Scoliosis progression



Growth failure in pediatric patients associated with:

- GH deficiency
- Chronic renal insufficiency
- Small for gestational age+failure to catch up by 2 yrs
- Idiopathic short stature

Growth hormone side effects in adults



Octreotide therapeutic uses

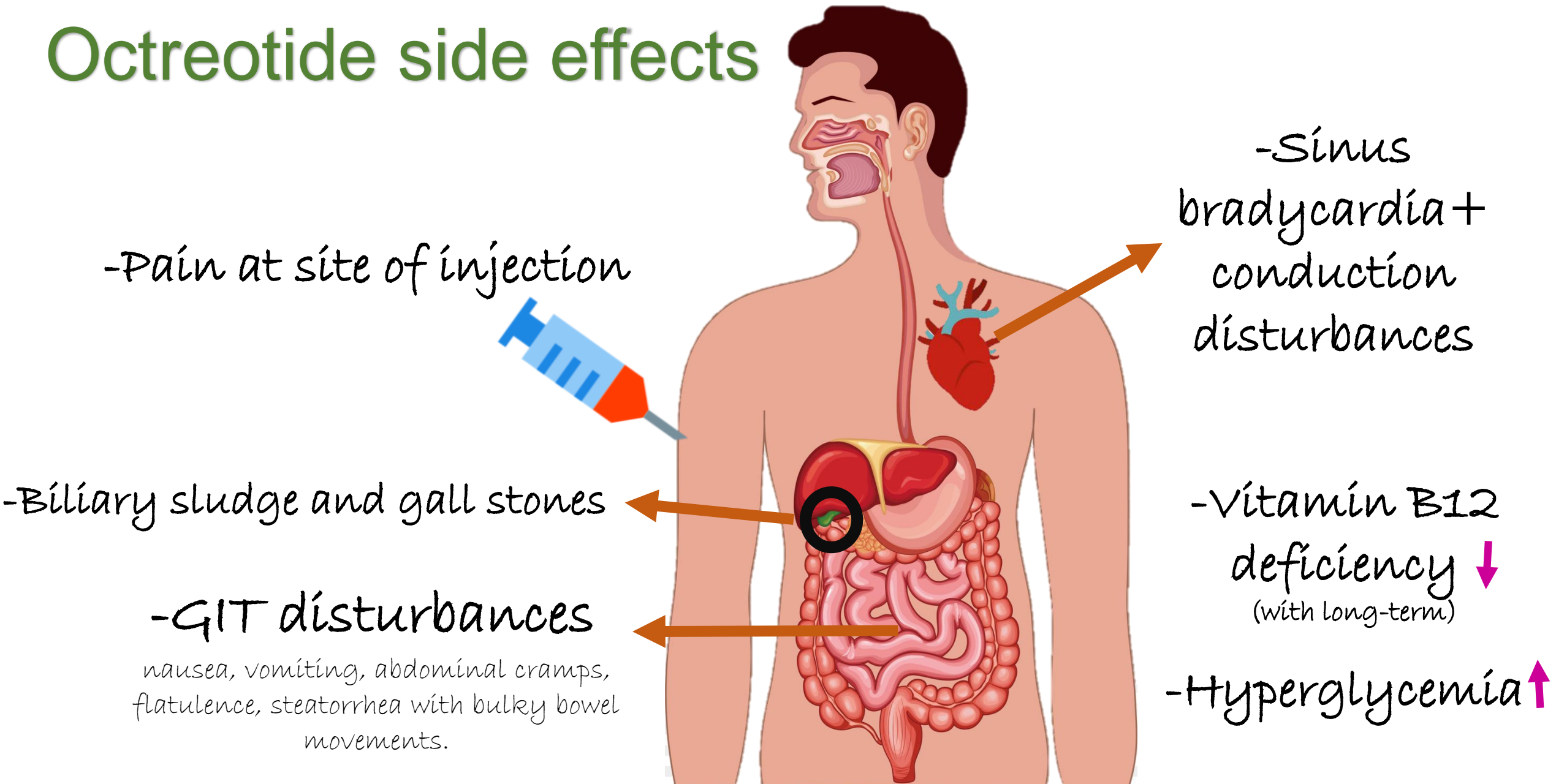
Oc/ tre /otide

Oesophageal
bleeding
Acute control

Tumors that secrete
hormones
acromegaly, carcinoid syndrome, gastrinoma, VIPoma,
glucagonoma, insulinoma, and ACTH-secreting tumor

Díarrhea
HIV associated, diabetic,
chemotherapy, or radiation

Octreotide side effects



Dopamine Agonists therapeutic uses

Dopamine agonists



Dopamine Agonists side effects

Orthostatic hypotension

-Erythromelalgia

-Emetic (nausea, vomiting, fatigue, lightheadedness)

NO PEAS

No increase in
spontaneous
abortion or
congenital
malformations

-Psychiatric
manifestations

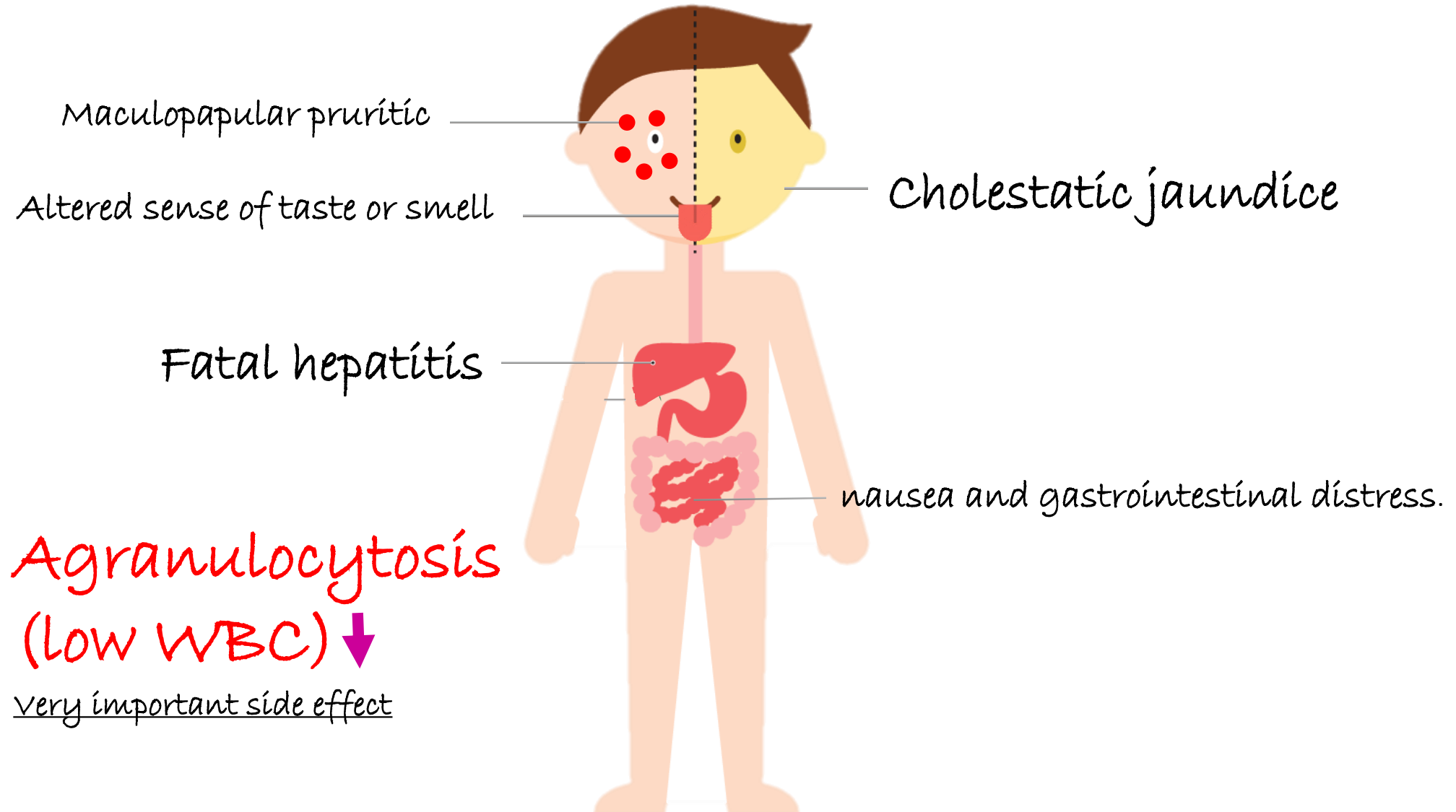
-Pulmonary infiltrate (with chronic high dose)

Stroke or coronary thrombosis
(In postpartum women taking bromocriptine)

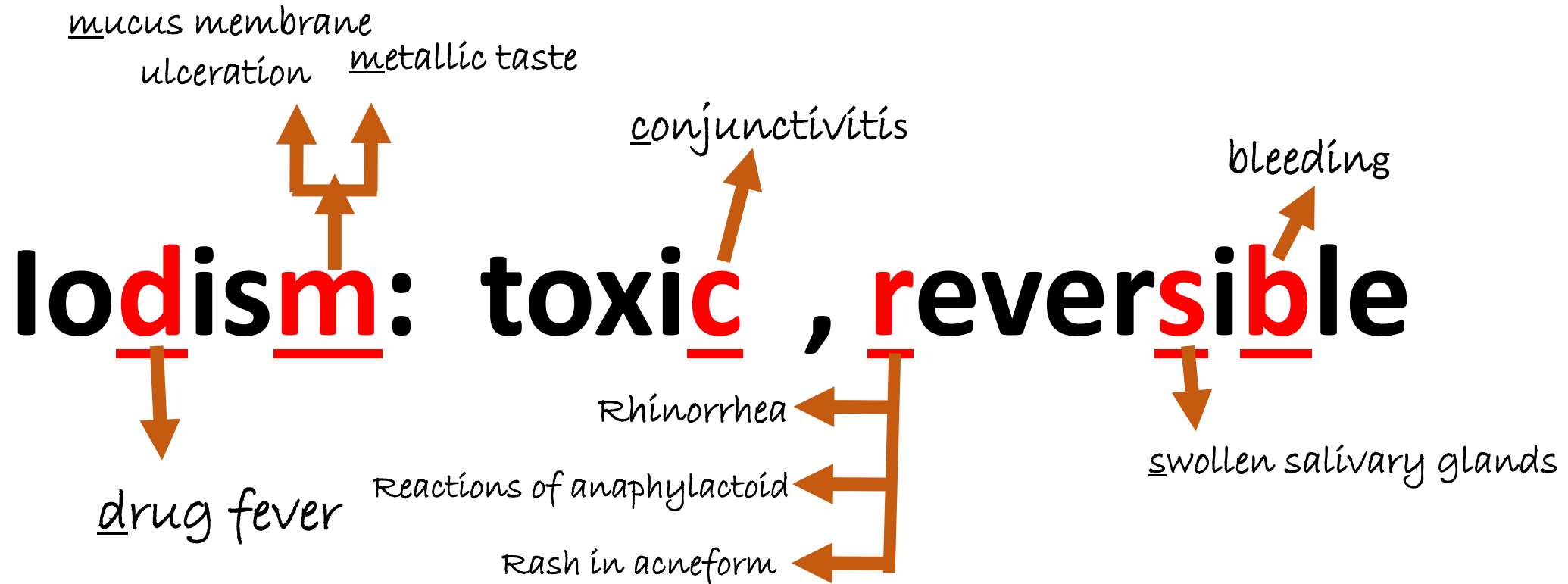


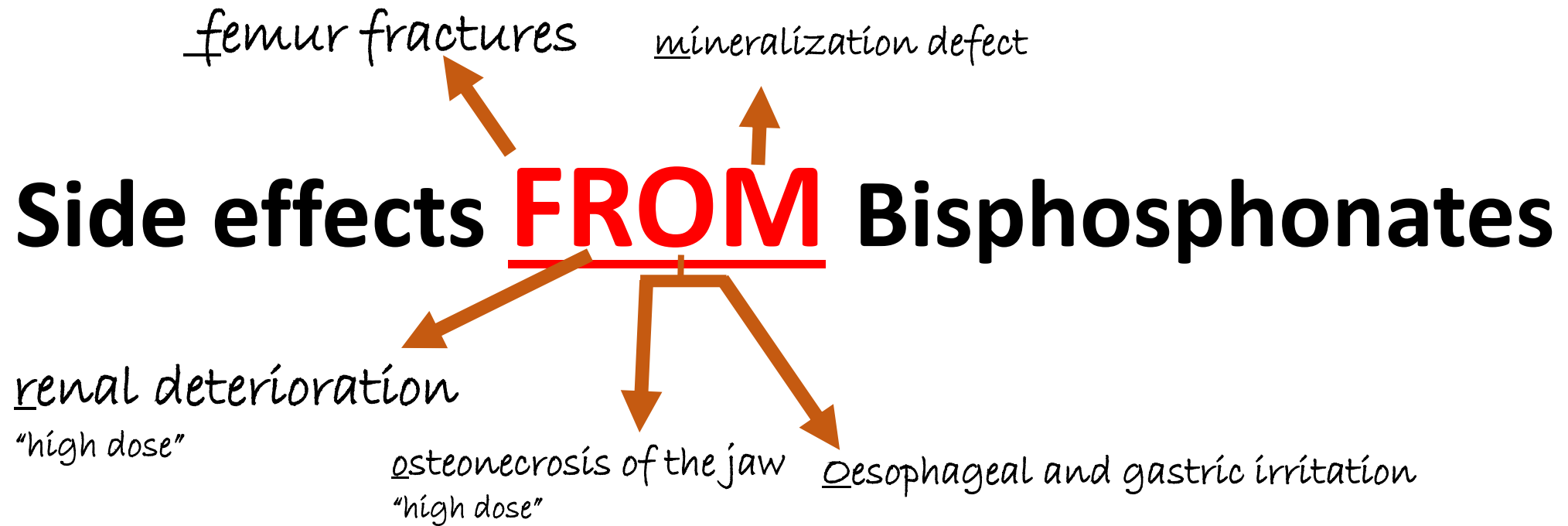
No

Thionamides side effects

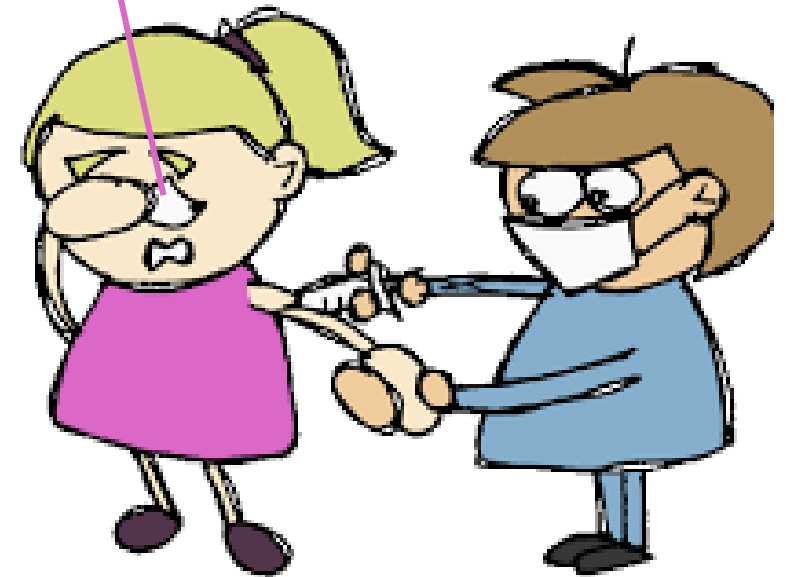
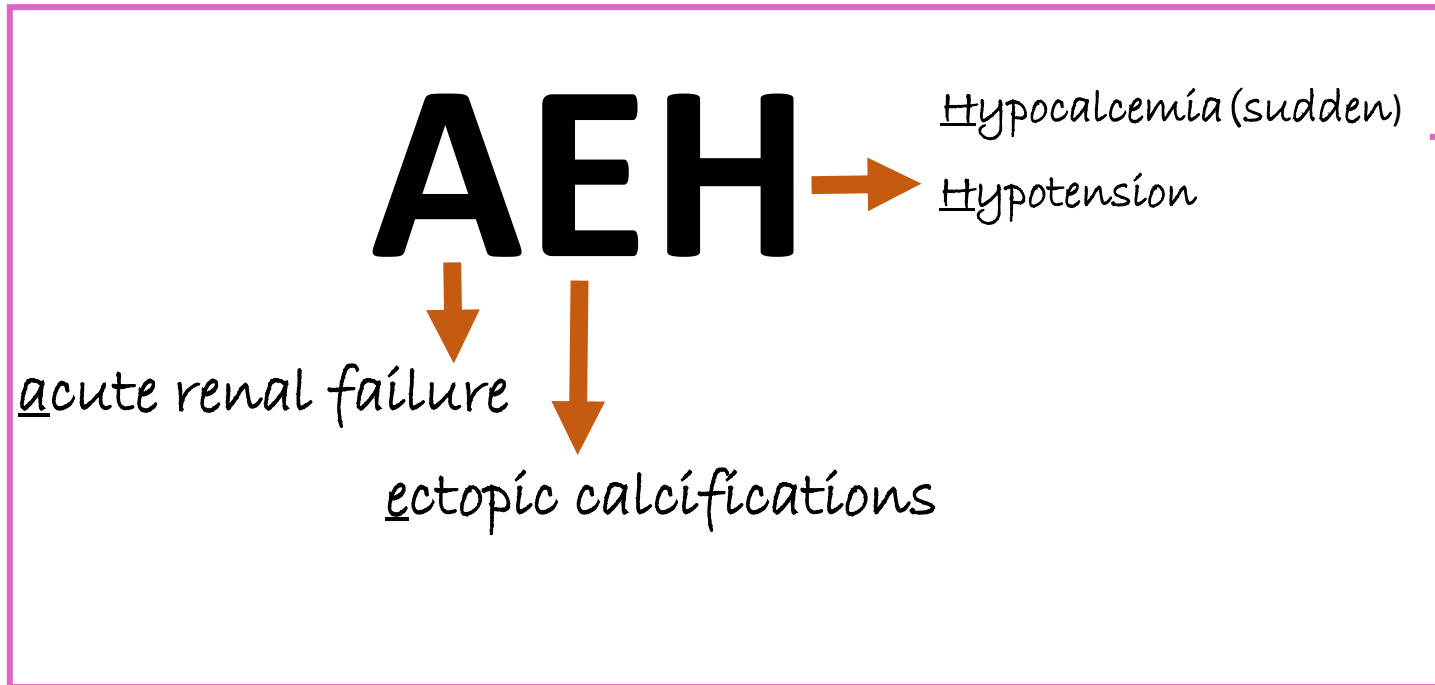


Iodism symptoms:





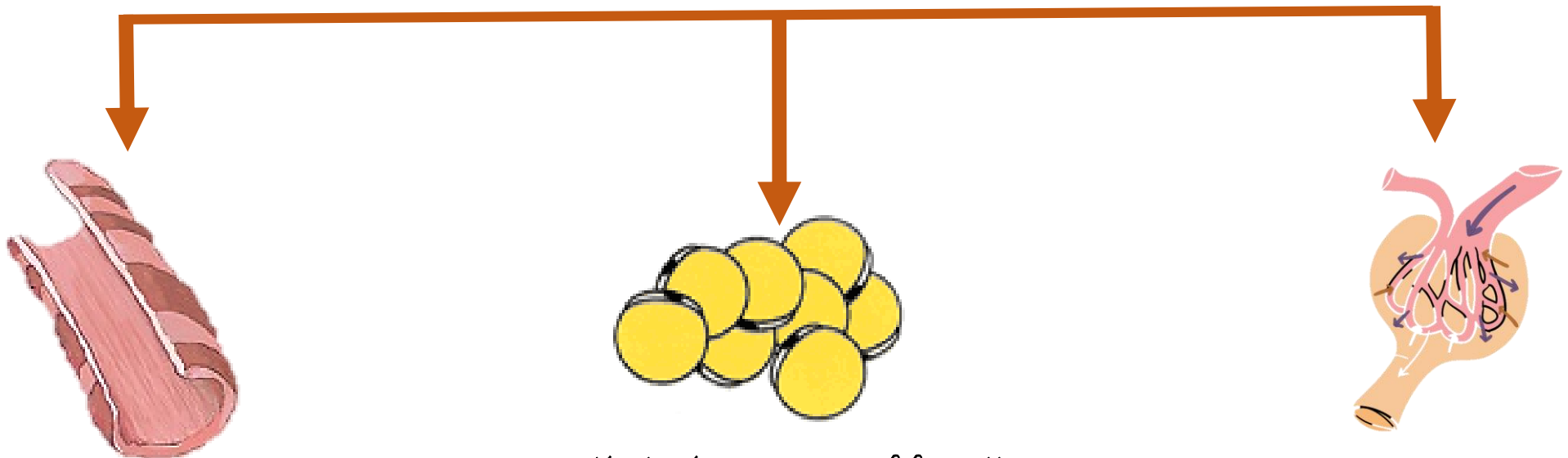
IV phosphate side effects



given slowly over 6-8 hours

fastest way to treat hypercalcemia

Permissive actions of glucocorticoids



Increases response of vascular and bronchial smooth muscle to catecholamines

Increases lipolytic responses of fat cells to catecholamines, ACTH and GH

In the absence of cortisol

ADH increases ↑

glomerular filtration decreases ↓

ability to excrete water load decreases ↓

M

1-Migration and proliferation of immune cells decreases
2-mast cell degranulation and histamine release are decreased

A

1-Activates anti-inflammatory proteins
"leading to inhibition of inflammatory proteins"
2-Activates lipocortin expression
3-Antibody production decreases at large doses

P

1-Phospholipase A2 is inhibited
2-production of cyclooxygenase-2 is decreased

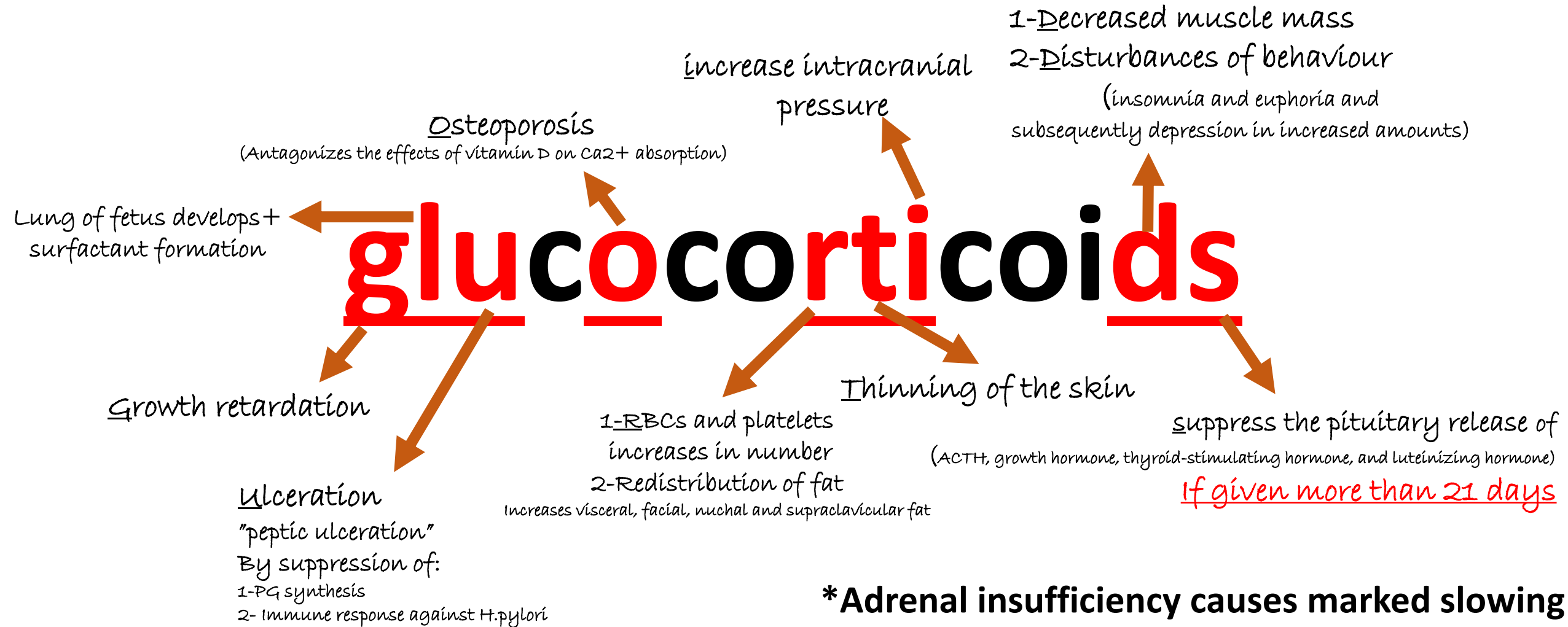
3-macrophages ability to phagocytose and kill microorganisms becomes limited.
4-macrophages and lymphocytes produce less IL-12 and IF- γ .
5-macrophages and other Antigen-presenting cells become functionless



Of glucocorticoids Anti-inflammatory actions
the patient will be immunocompromised as a result

effects of glucocorticoids:

without including metabolic nor anti-inflammatory effects



Adrenal insufficiency causes marked slowing of the alpha rhythm of the EEG and is associated with depression

Each letter is an indication for an effect except for letter "C"

Glucocorticoids contraindications:

1-Hypertension with Heart Failure

2-Heart Disease

Peptic ulcers

Diabetes Mellitus

Chopped

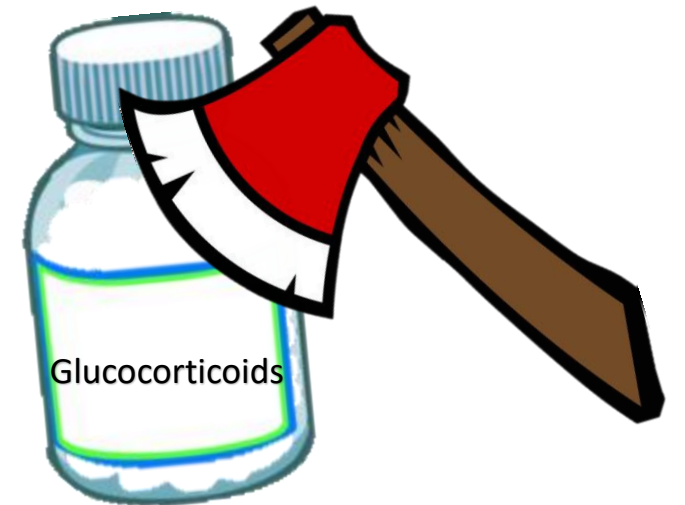
Glucocorticoids

Certain infections like
TB and Varicella

Osteoporosis

Psychosis

Glaucoma



Chopped in previous cases

Effects of GLP-1 upon ingestion of food:

5Ss

- 1-Stimulates glucose-dependant insulin secretion
- 2-Stimulates the increase in beta- cell mass and efficiency
- 3- Suppresses glucagon secretion
- 4- Suppresses food intake
- 5- Slow gastric emptying

Best of luck 😊

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