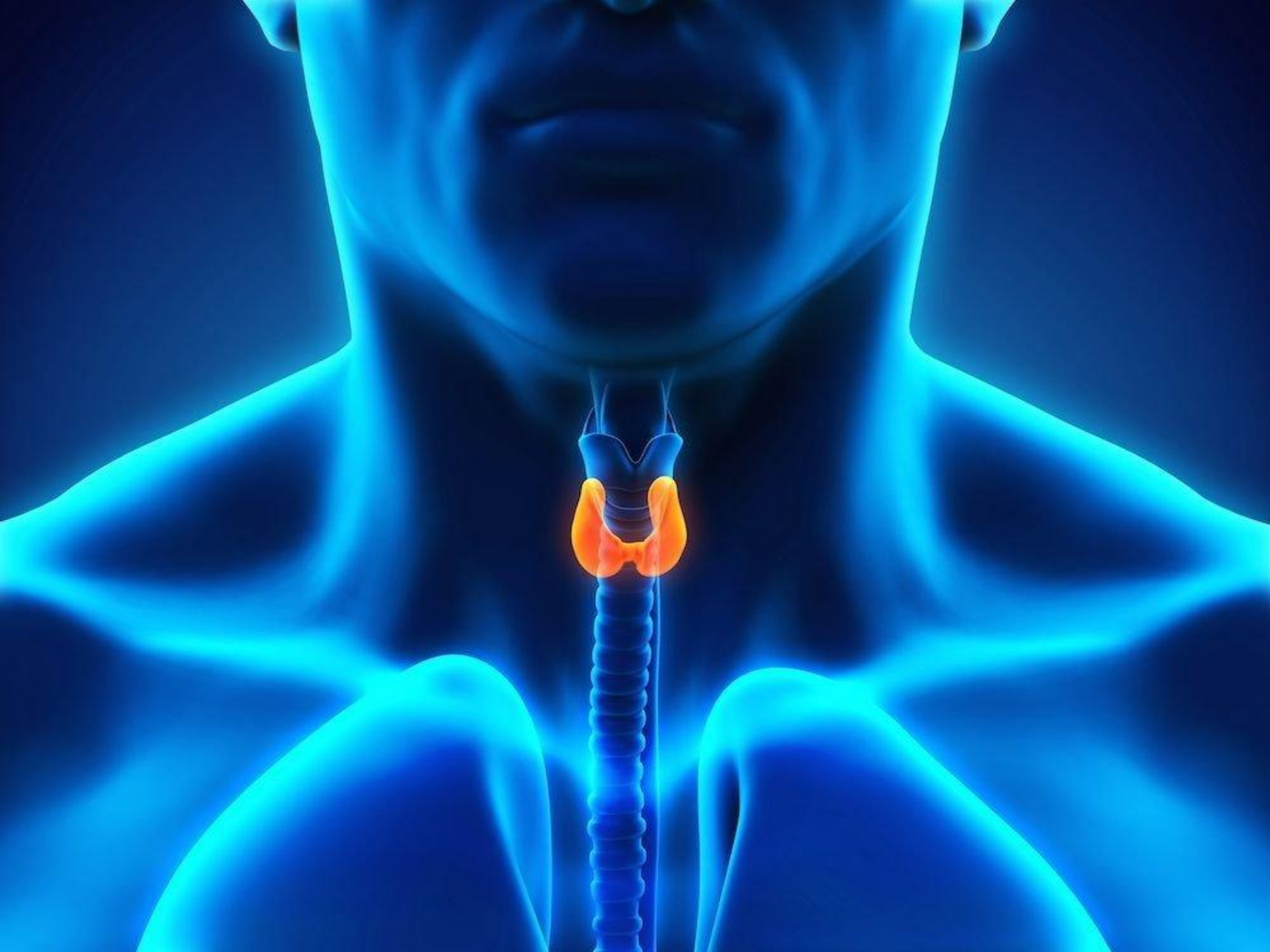


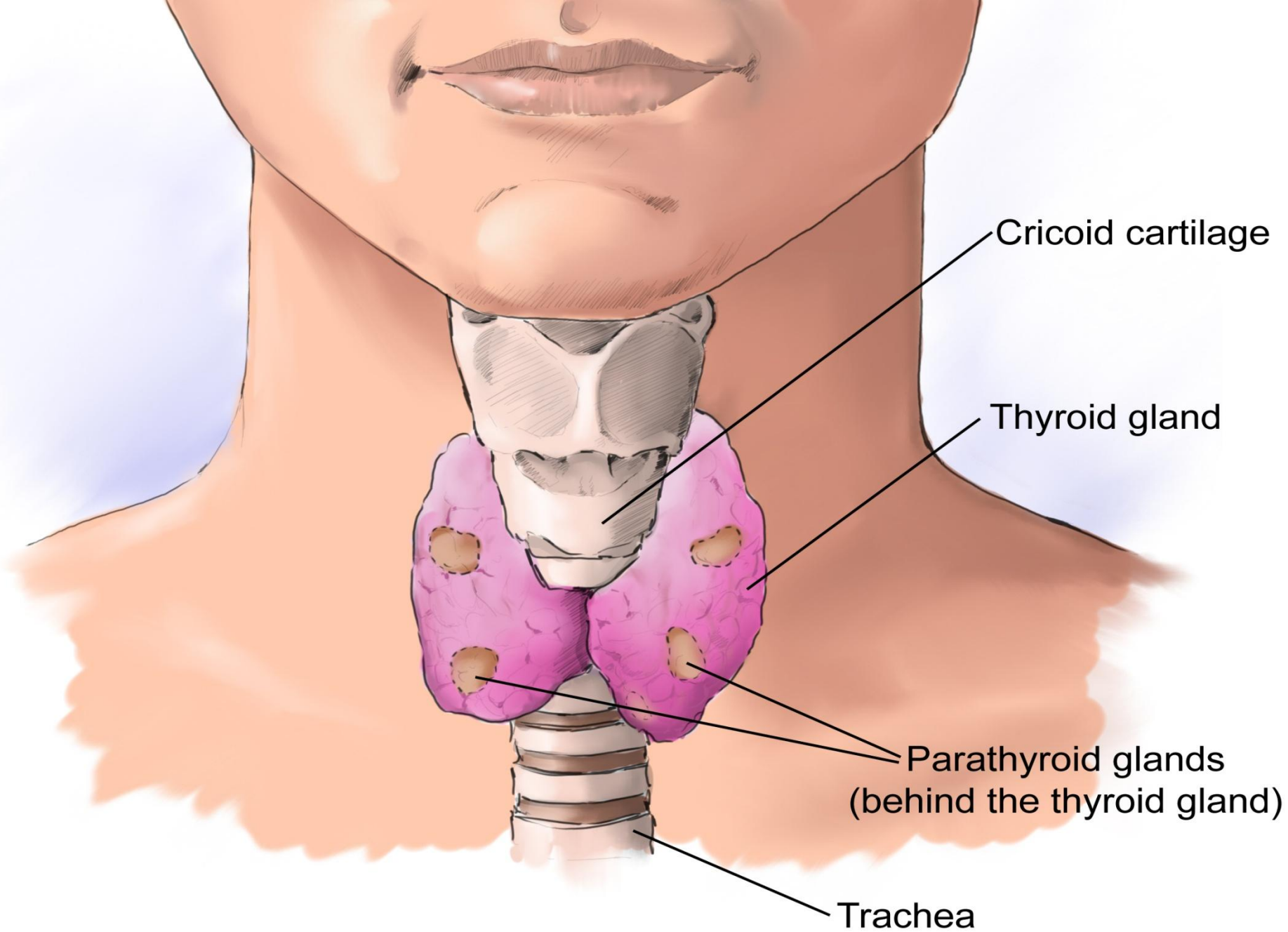
Thyroid Essentials

Performed:
Nadya Egizbaeva
Student of the faculty
Of pharmacy

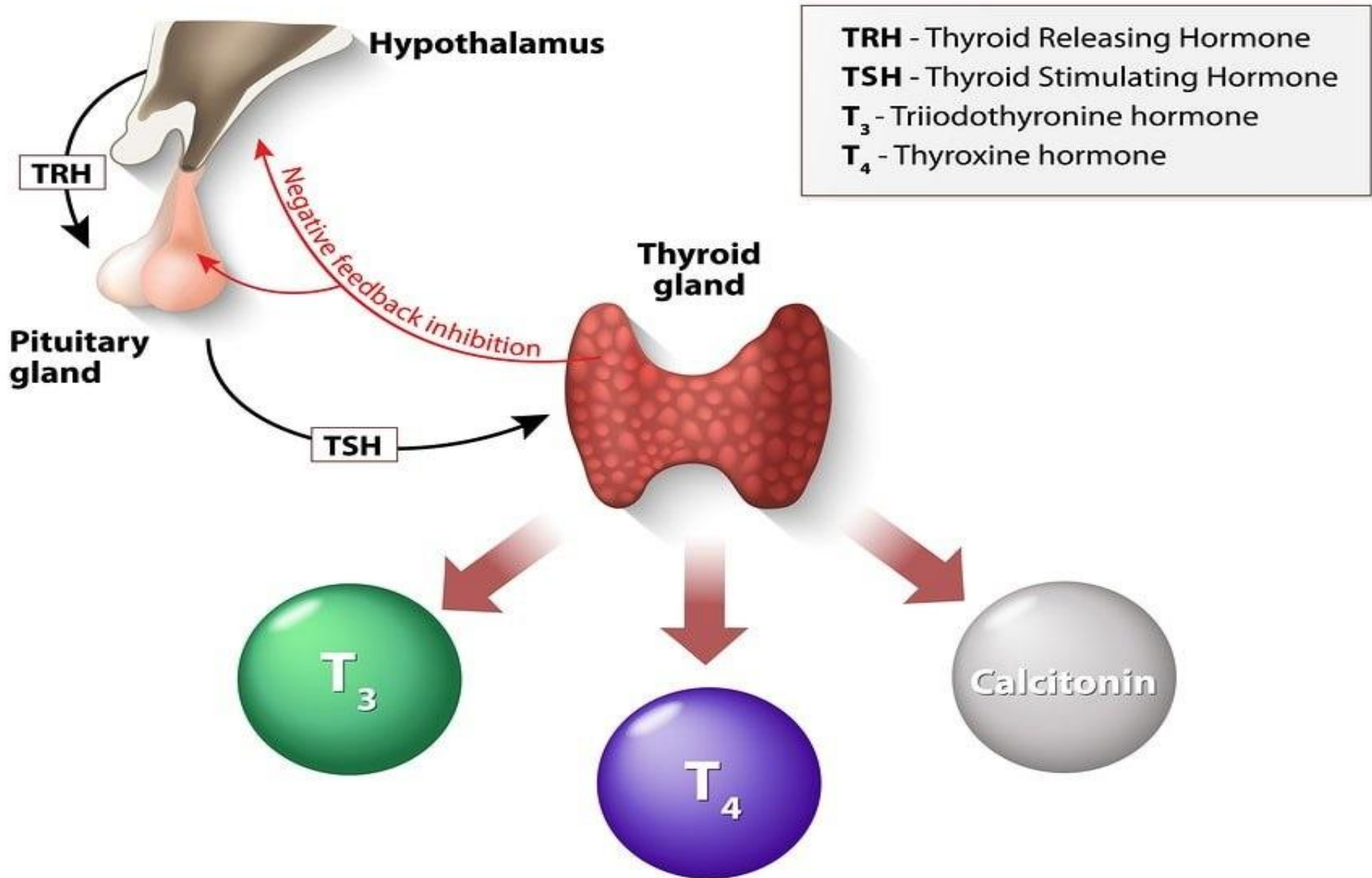


My presentation consists of 3 parts:

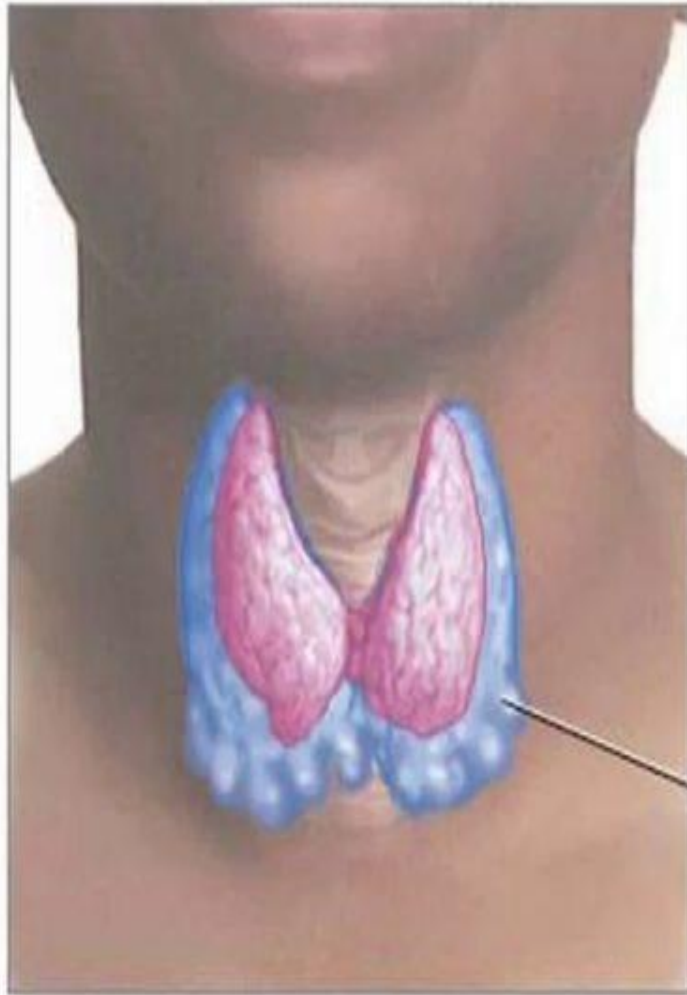
- The first part is the anatomy of the thyroid;
- The second part is hormones of the thyroid;
- The third part is the most common diseases of the thyroid gland.



Thyroid gland and Thyroid Hormones



Hashimoto's disease



Enlarged, inflamed
hypofunctioning
thyroid (goiter)



Hypothyroidism

Symptoms:

Extreme Tiredness/Lethargy/
Lack of Stamina/Motivation

Memory Loss/"Brain Fog"

Depression

Mood Swings

Hearing Loss

Weight
Gain

3pm
crash

Broken
Sleep

Signs:

Sparse Eyebrows
Especially outer ends

Swelling of the Face

Especially around Eyes
(Oedema)

Changes at the back of
the Eye (at Fundus Oculi)

Wasting of Tongue

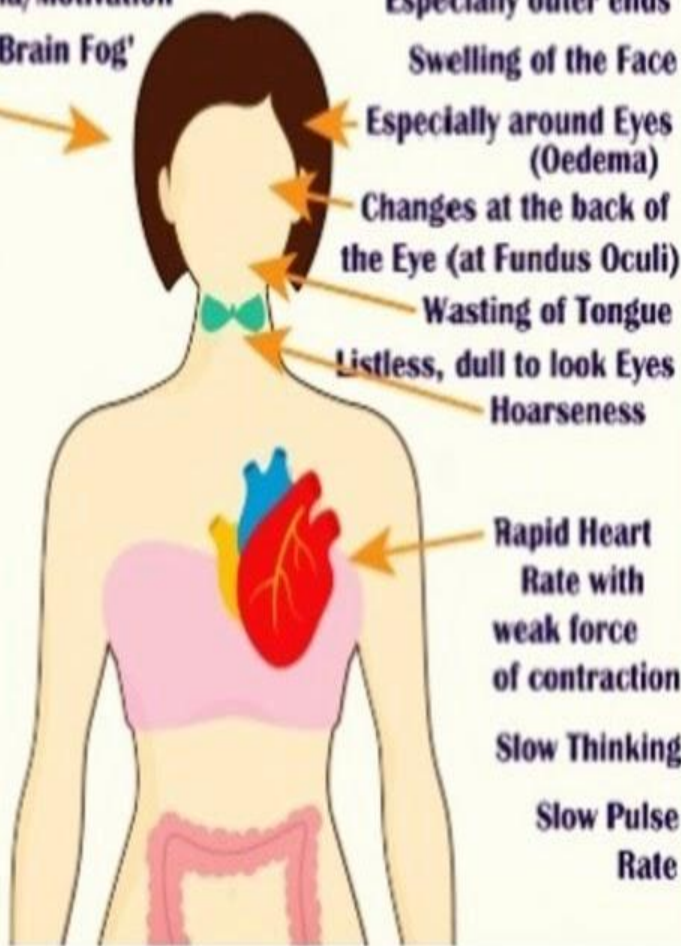
Listless, dull to look Eyes

Hoarseness

Rapid Heart
Rate with
weak force
of contraction

Slow Thinking

Slow Pulse
Rate



Hyperthyroidism

Symptoms:

Protusion of one or both
eyeballs (exophthalmos)

Breathlessness

Nervousness

Difficulty
Sleeping/
Insomnia

Fatigue

Itching

Signs:

Protruding Eyes
(exophthalmos)

Hair Loss

Staring Gaze

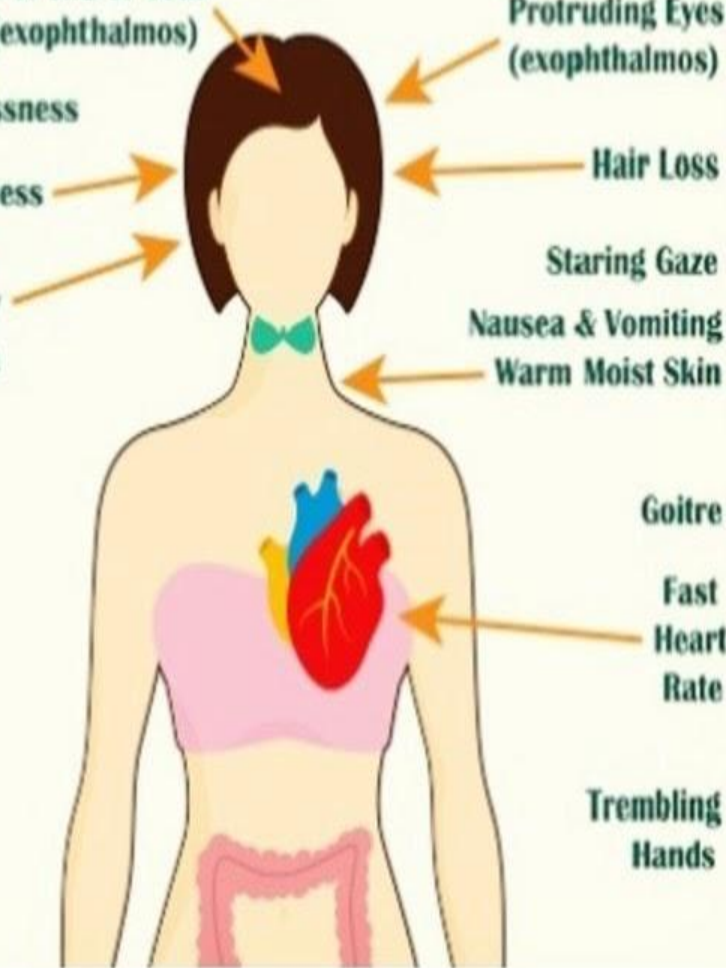
Nausea & Vomiting

Warm Moist Skin

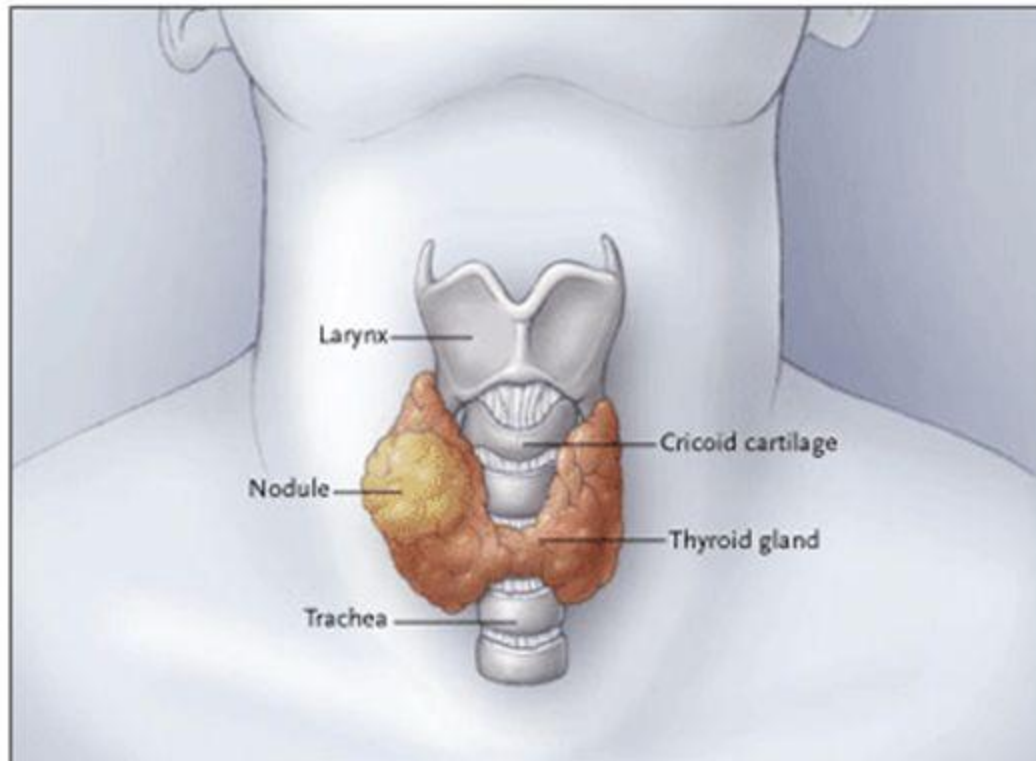
Goitre

Fast
Heart
Rate

Trembling
Hands



Solitary thyroid nodules



Benign Nodules (95%)

Hyperplastic nodules (85%)
Adenomas (15%)
Cysts (<1%)

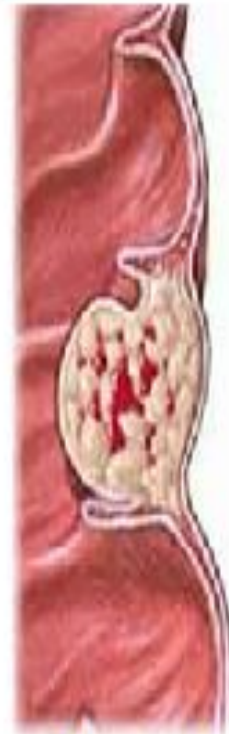
Carcinomas (5%)

Papillary (81%)
Follicular and Hürthle-cell (14%)
Medullary (3%)
Anaplastic (2%)

Thyroid Cancer



Thyroid cancer



Stage I



Stage II





Thanks for your attention

