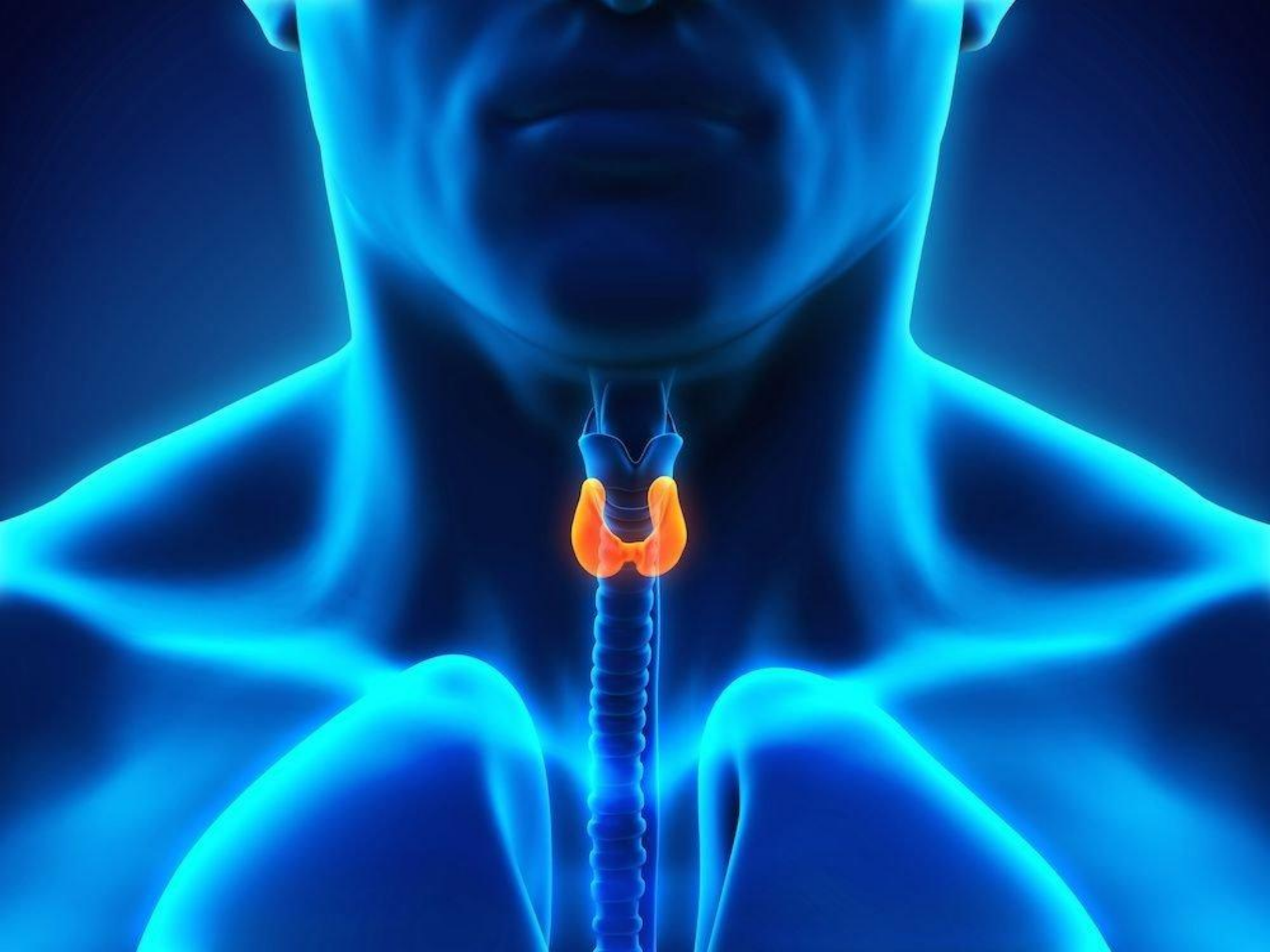


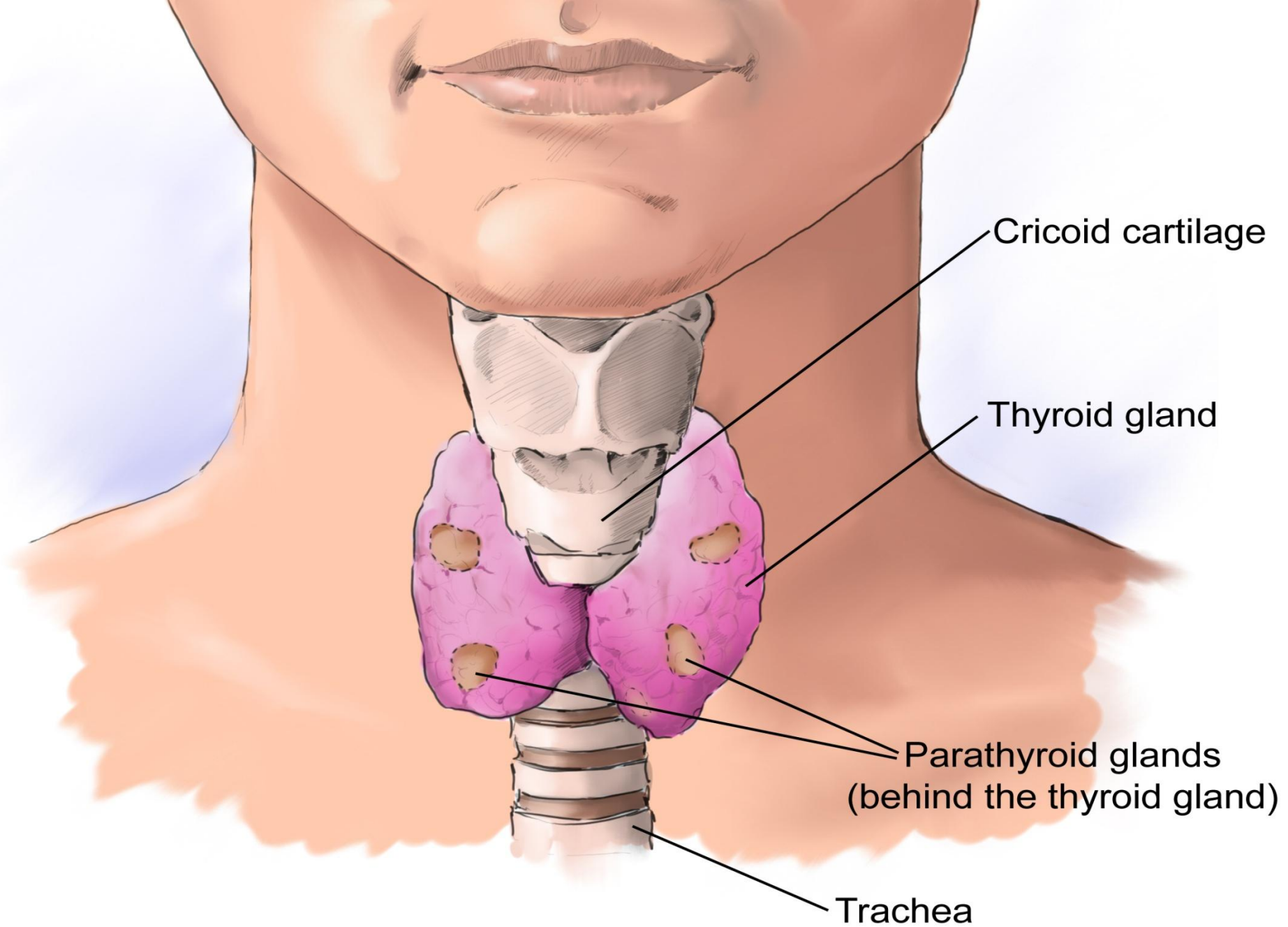
Thyroid Essentials

Performed:
Nadya Egizbaeva
Student of the faculty
Of pharmacy

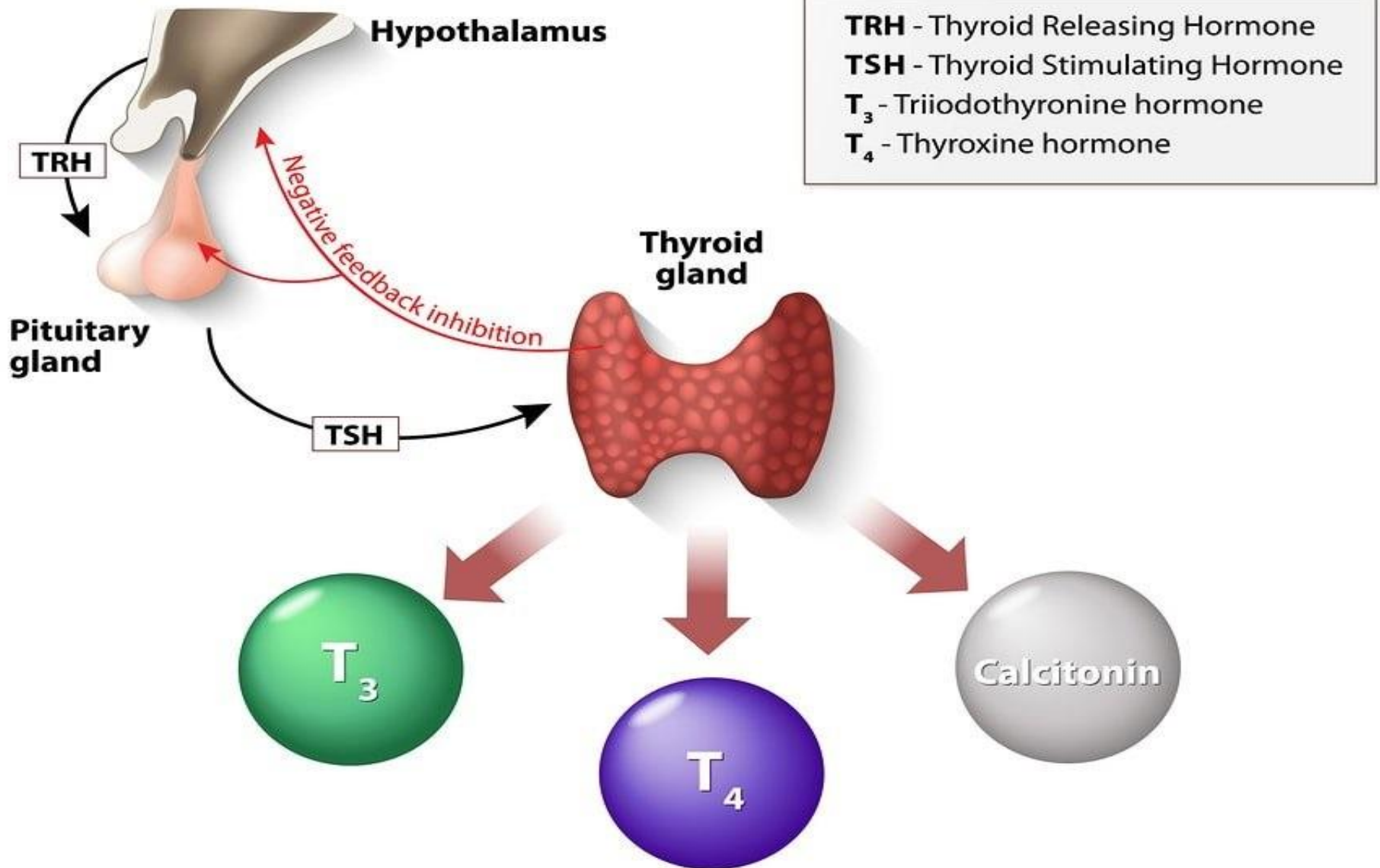


My presentation consists of 3 parts:

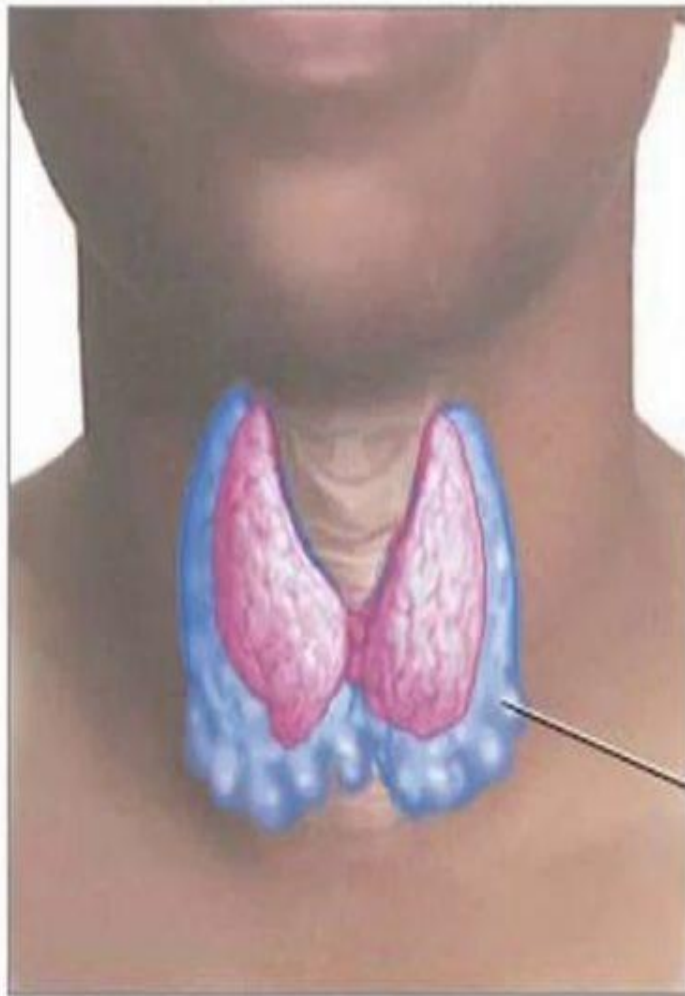
- The first part is the anatomy of the thyroid;
- The second part is hormones of the thyroid;
- The third part is the most common diseases of the thyroid gland.



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

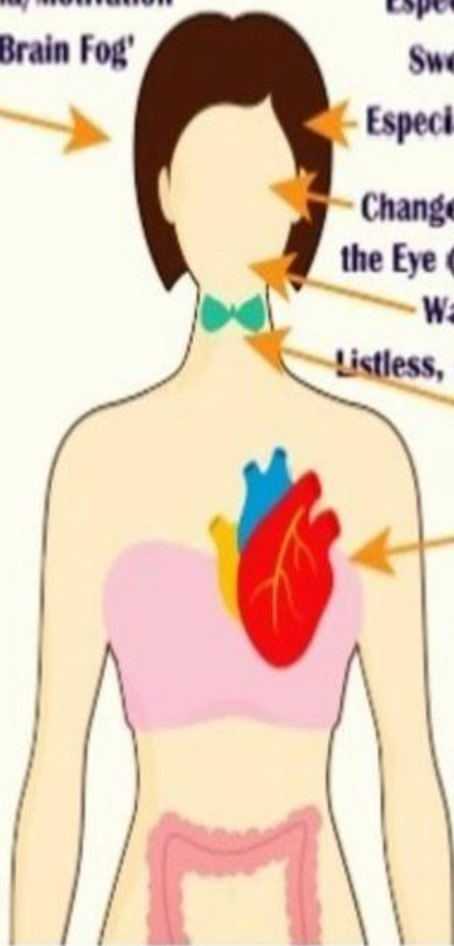
3pm
crash

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

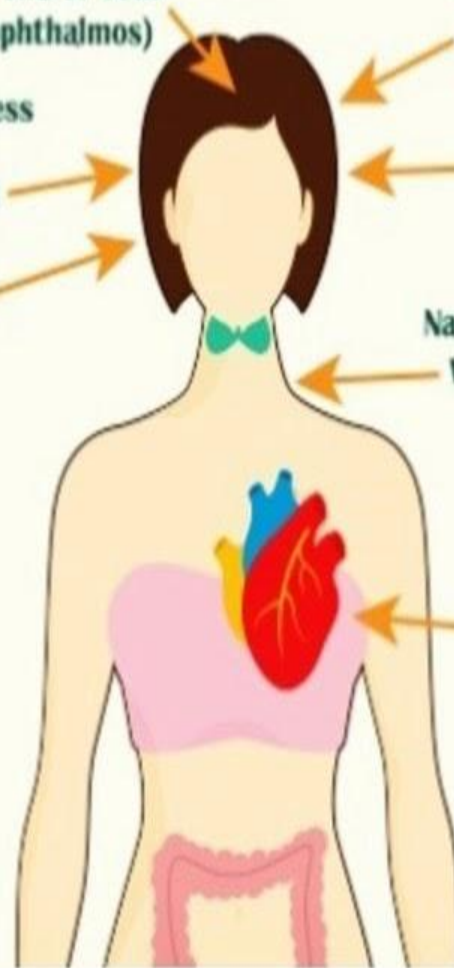
Nausea & Vomiting

Warm Moist Skin

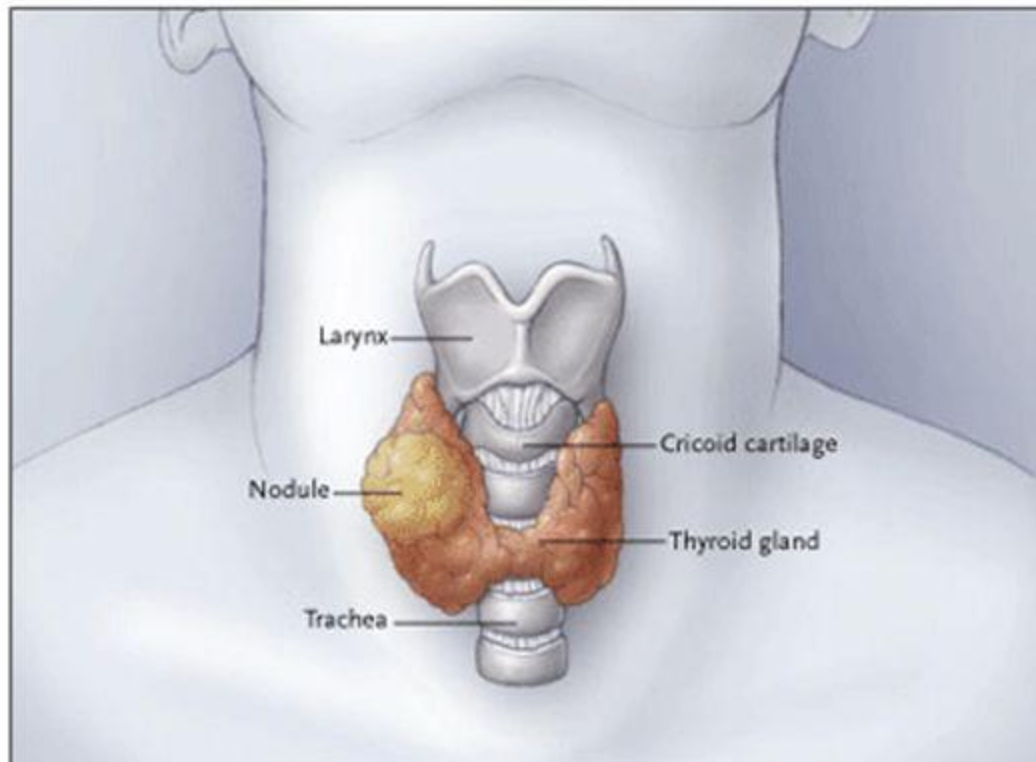
Goitre

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

The background features a blue gradient with a grid pattern. Numerous white plus signs of varying sizes are scattered across the image, with a prominent large plus sign in the lower center.