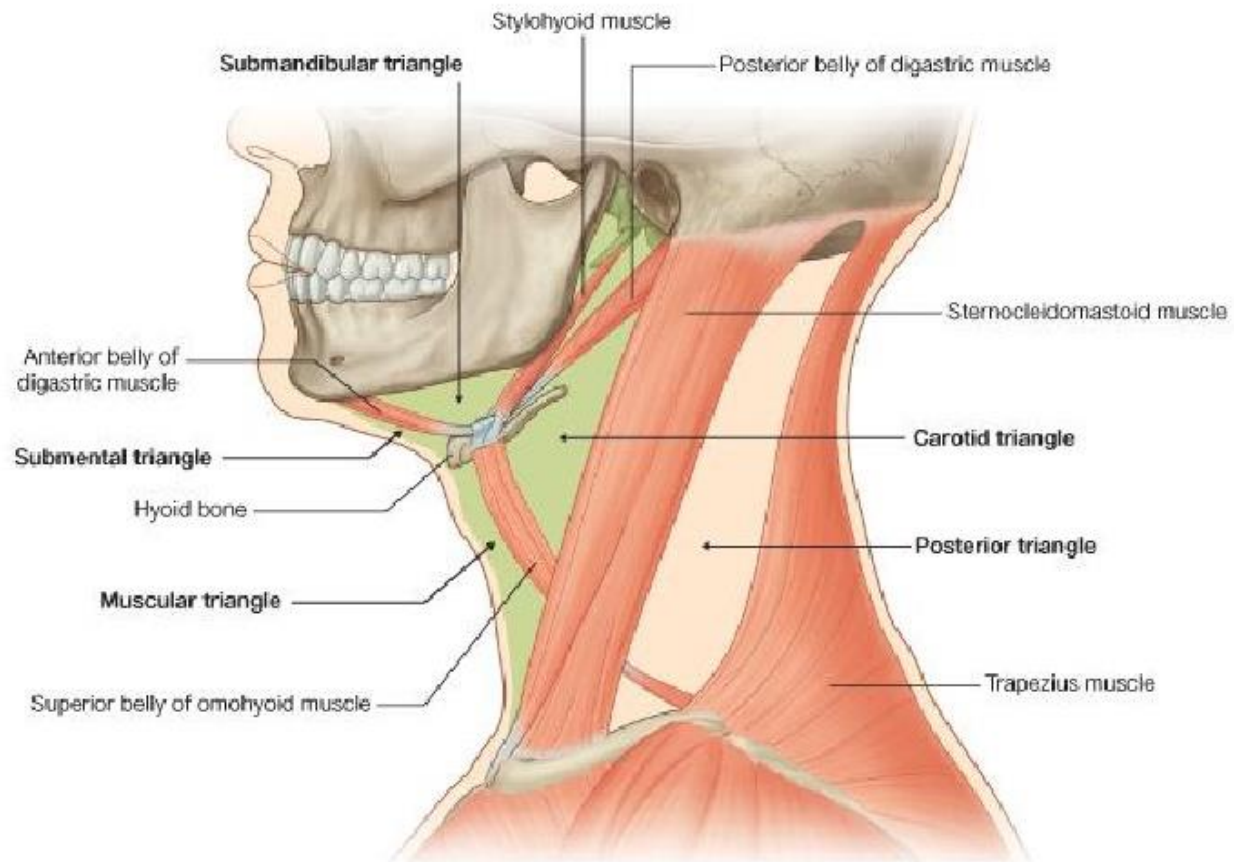


COMMON NECK SWELLINGS

Dr Mohammad AlShehri, Can. Board, FACS, D Med Edu.
Professor of Surgery



Borders and subdivisions of the anterior triangle of the neck

Common Neck Swellings

- Thyroid
- Lymph nodes
- Thyroglossal Cyst
- Parathyroid

THYROID

Causes of Goiter

- Thyroid cyst
- Physiological goiter
- Multinodular goiter
- Inflammatory
- Benign tumor
- malignancy

Thyroid cyst

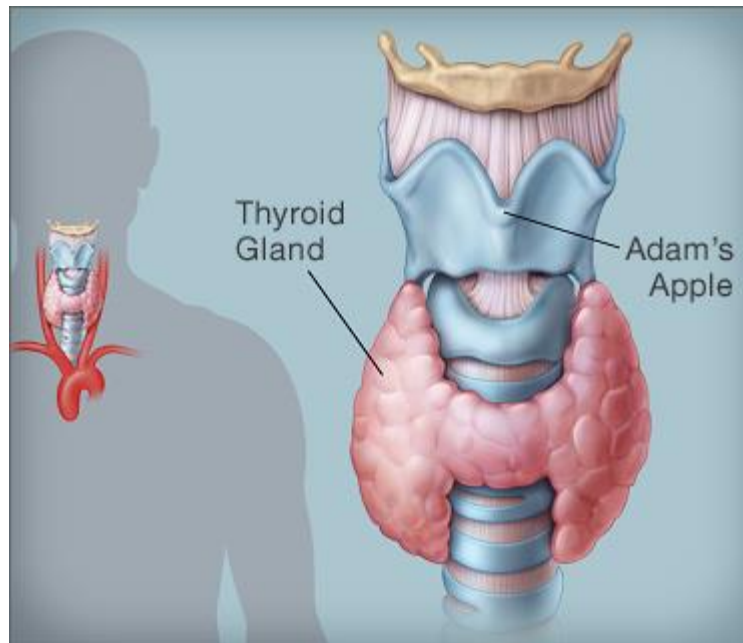


Multinodular Goiter



Inflammatory Thyroiditis

- Commonest is Hashimoto's Thyroiditis



MALIGNANT TUMORS OF THE THYROID

Characteristics

- Painless enlarging nodule
- Lymphadenopathy
- Hoarseness of voice
- Dysphagia
- **Function is usually normal**

Thyroid Malignancy

Papillary	85%
Follicular	10%
Lymphoma	< 5%
Medullary	
Undifferentiated	1%

Papillary Carcinoma

- Commonest
- Incidence is increasing
- Exposure to radiation
- Familial types
- Painless nodule

Papillary Carcinoma

- Young age
- F : M 3:1
- Spreads to lymphatics
- Mets to lung & bone
- Good prognosis

Follicular Carcinoma

- Older patients than papillary
- Mets by blood to lung & bone
- Takes radio-nuclear iodine

Lymphoma

- Approximately 1-5% of all thyroid malignancy
- Risk increased in Hashimoto's thyroiditis
- Usually diagnosed by pathology
- Treat as lymphoma any where

Medullary Carcinoma

- From C-cells
- 25% hereditary
- MEN 2 syndrome
- Bad prognosis

Undifferentiated

- Elderly patients
- Locally invasive
- Worst prognosis

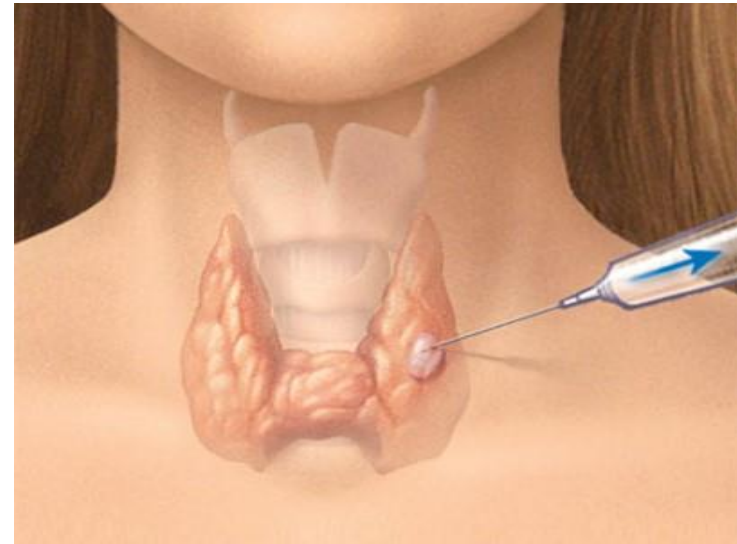
Causes of a solitary thyroid nodule

- Thyroid cyst
- Dominant nodule in a multinodular goiter
- Degeneration or hemorrhage into a colloid cyst or nodule
- Benign tumor
- malignancy

INVESTIGATIONS

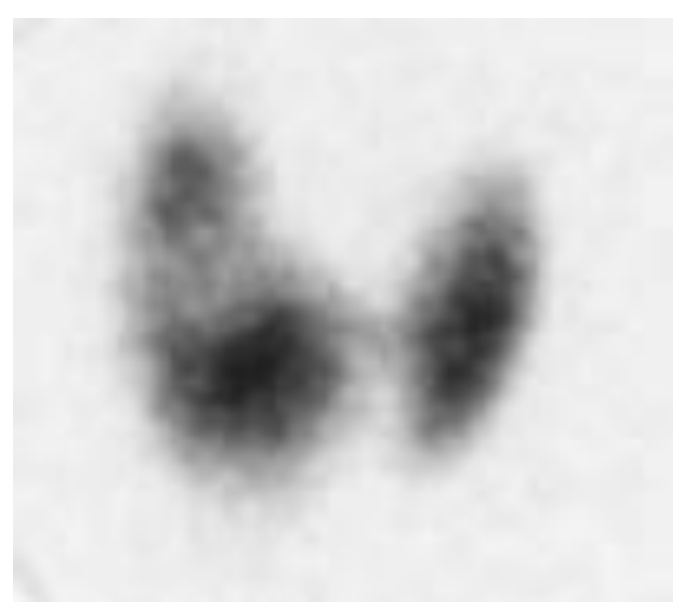


Fine Needle Aspiration (FNA)

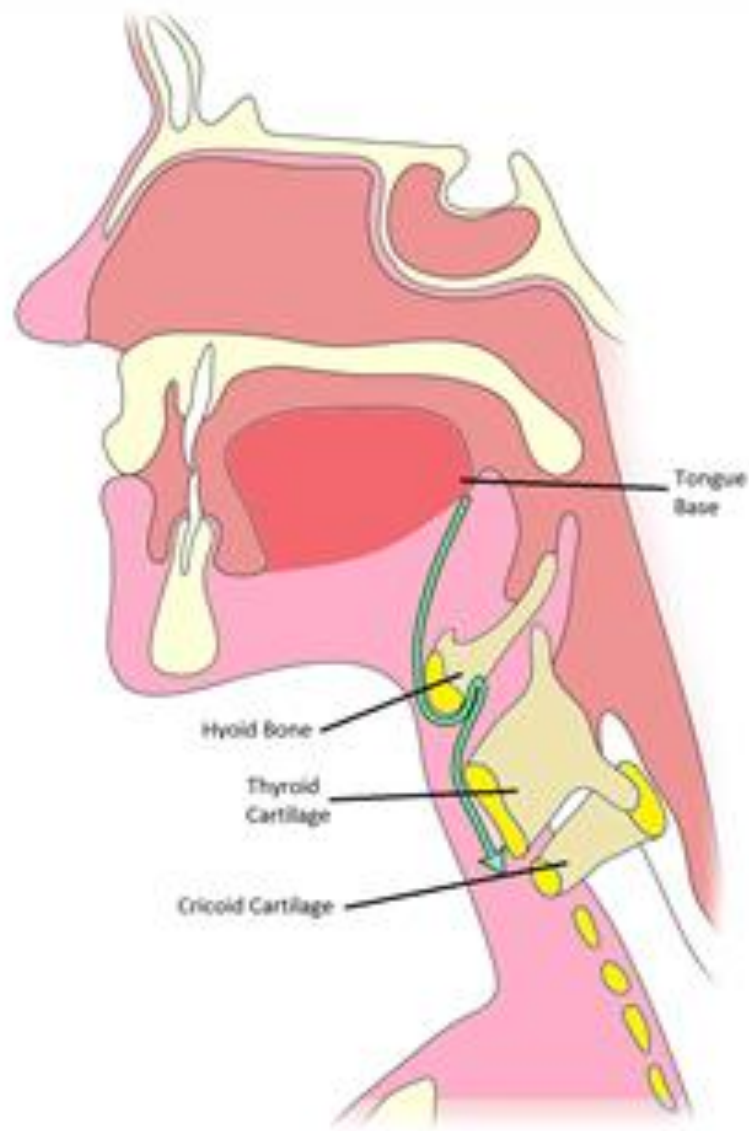




% Thyroid Uptake = 13.63
Normal Uptake Range = 0.5 - 3.5%



THYROGLOSSAL CYST



F. Galliard
2010
Anatomie.org 02.06.04.01



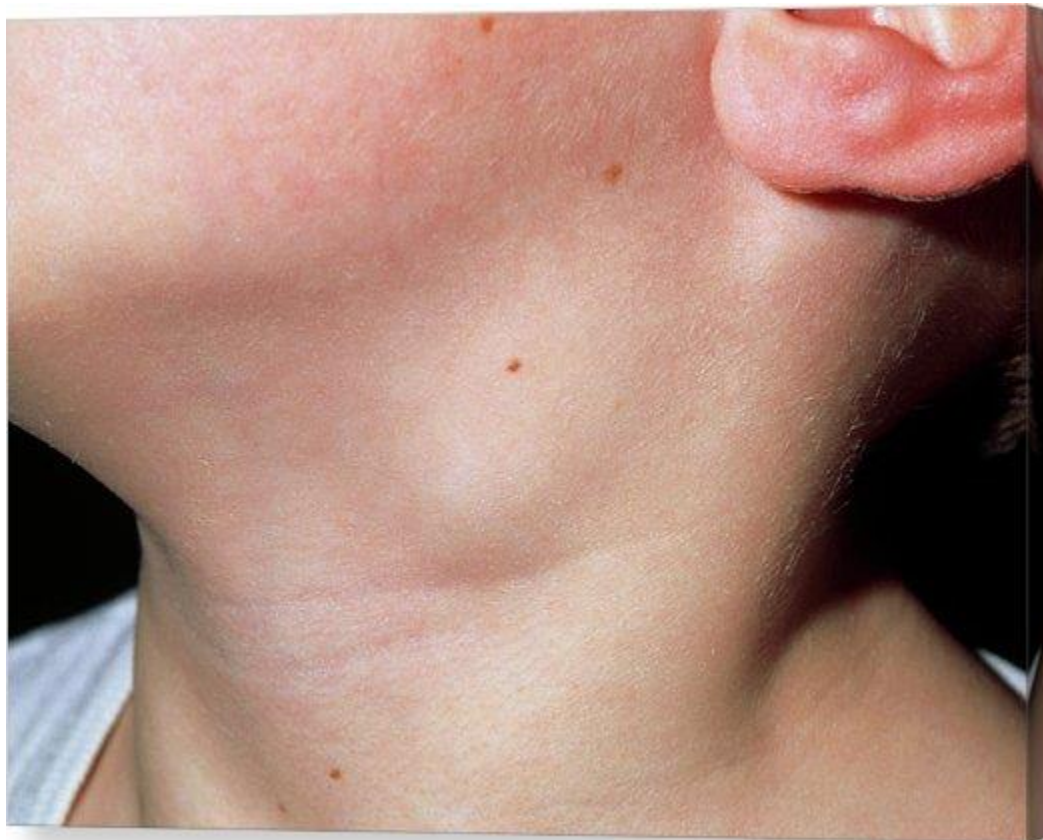


LYMPHADENOPATHY

Lymph Node Swellings

Inflammatory

- Acute



Lymph Node Swellings

Inflammatory

- Chronic



Lymph Node Swellings

Neoplastic

- Primary

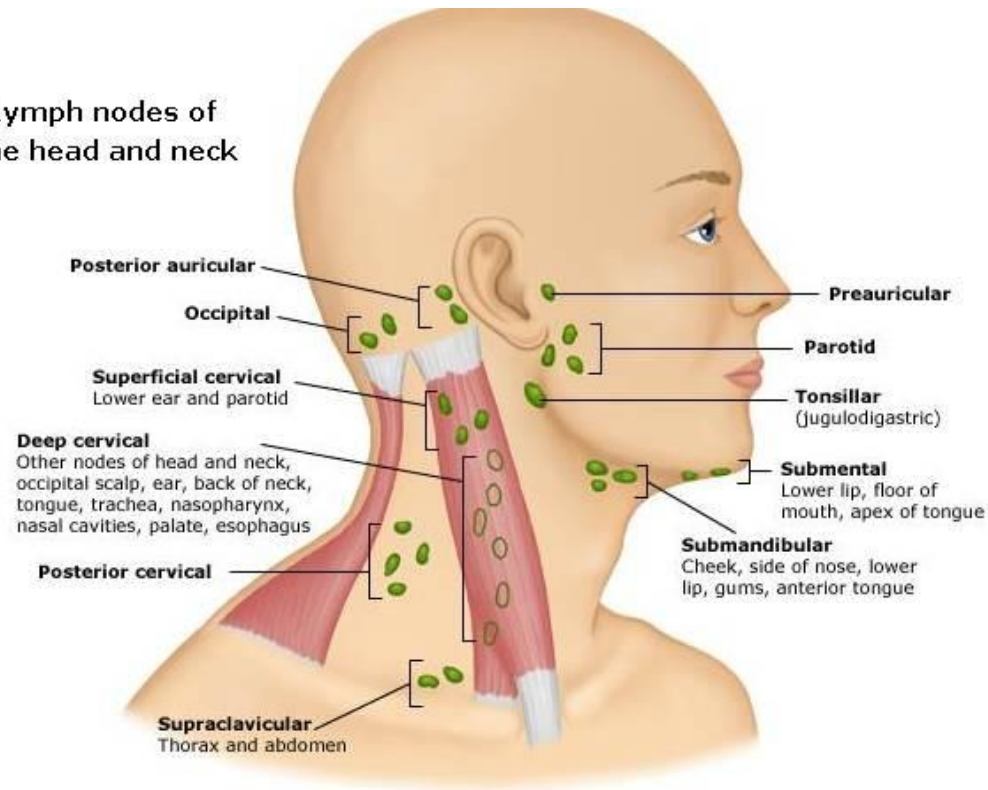


Lymph Node Swellings

Neoplastic

- Secondary

Lymph nodes of the head and neck



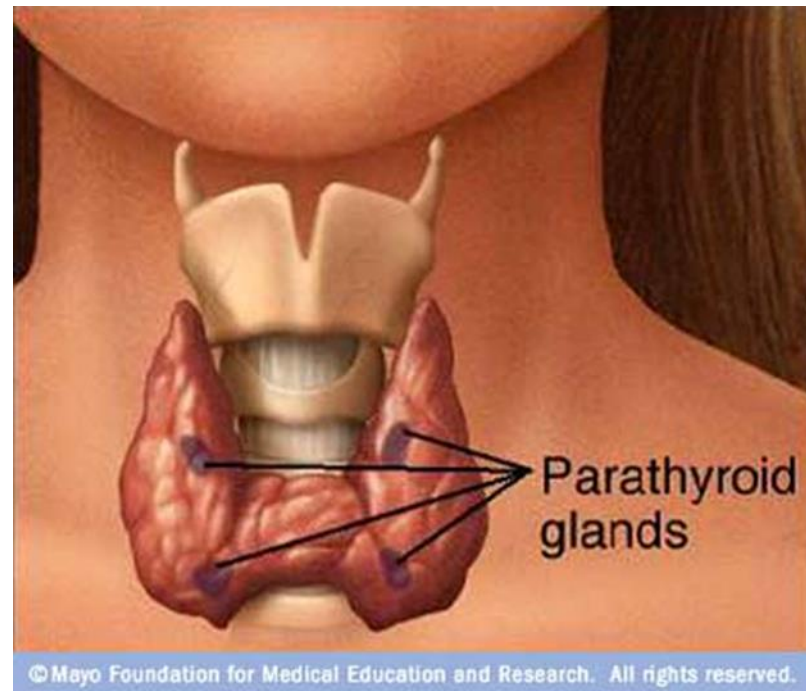
PRIMARY HYPERPARATHYROIDISM

- Statistics from Western countries indicate a 0.1-0.5% prevalence rate for PHP.
- No evidence for geographical variation

Clinical presentation

- In the west 60 - 70% detected by routine screening.
- Many are asymptomatic

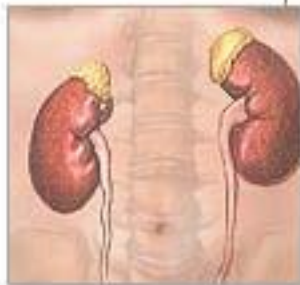
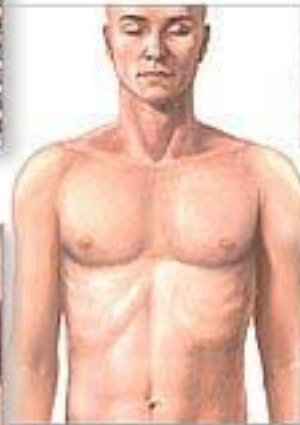
Adenoma	84%
Hyperplasia	15%
Carcinoma	1%



Bone loss



Psychiatric disturbances



Kidney disease



Abdominal symptoms

Clinical manifestations

- Renal stones
- Bone and joint pains
- Abdominal groans
- Psychic moans
- Fatigue overtones

Investigations

- Serum Calcium ↑
- PTH ↑
- Serum Phosphate ↓
- Chloride ↑

Lateral Neck Swellings

- Lymph nodes
- Submandibular gland
- Tail of parotid gland
- Carotid body tumor
- Lipoma.
- Laryngocele

Lateral Neck Swellings

- Pharyngeal diverticulum
- Branchial cyst
- Cystic hygroma
- Sebaceous cyst
- Hemangioma
- Aneurysm
- Others

Anterior Triangle Neck Swellings

- Thyroid
- Thyroglossal cyst
- Lymph nodes
- Lipoma
- Dermoid cyst
- Sebaceous cyst
- Hemangioma
- Aneurysm





Thank you

myshehri@ksu.edu.sa

@myshehri