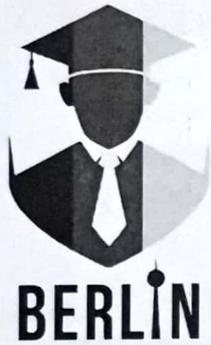


Level-2 Semester-4

Histology - ENR



MCQ Lecture 2

MCQ Thyroid & Parathyroid

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MCQ on Thyroid & Parathyroid

<p>1. Calcitonin hormone is secreted by which of the following:-</p> <ul style="list-style-type: none"> a) Follicular cells b) Para follicular cells c) Chief cells d) Oxyphil cells e) Basophils 	B
<p>2. Regarding chief cells of the parathyroid gland, which of the following is TRUE:-</p> <ul style="list-style-type: none"> a) Less numerous with age b) Larger than oxyphil cells c) Polygonal cells with central rounded nuclei d) Deeply acidophilic cytoplasm & dark nucleus e) Secrete thyroxin hormone 	C
<p>3. Regarding hyperactive thyroid gland, which of the following is true:-</p> <ul style="list-style-type: none"> a) Follicular cells are columnar b) Follicular cells are squamous c) Distention of colloid d) Follicular cells are cubical e) Increase phosphorus level 	A
<p>4. EM examination of oxyphil cells shows:-</p> <ul style="list-style-type: none"> a) Numerous acidophilic granules b) Numerous alpha Glycogen granules c) Numerous ribosomes d) Numerous golgi saccules e) Numerous mitochondria 	E
<p>5. A 35 years old female is diagnosed as hypothyroidism. Tissue biopsy from the thyroid gland of this case reveals:-</p> <ul style="list-style-type: none"> a) Colloid is depleted and the follicular cells are flattened b) Colloid is depleted and the follicular cells are cubical c) Colloid is abundant and the follicular cells are tall columnar d) Follicles are distended with colloid and follicular cells are flattened e) Colloid is depleted and the follicular cells are tall columnar 	D



<p>6. <u>Regarding hypoactive thyroid gland, which of the following is true:-</u></p> <ul style="list-style-type: none"> a) Follicular cells are columnar b) Follicular cells are squamous c) Depletion of colloid d) Increased thyroid hormone secretion e) Follicular cells are cubical 	B
<p>7. <u>Regarding parafollicular cell, which of the following is false:-</u></p> <ul style="list-style-type: none"> a) They do not reach the lumen of the follicle b) Smaller than follicular cells c) Pale cytoplasm d) Secrete calcitonin hormone e) Represent 2% of lining epithelium of thyroid follicles 	B
<p>8. <u>Thyroid gland secretes all of the following hormones except:-</u></p> <ul style="list-style-type: none"> a) Thyrotropin b) Calcitonin c) T₄ d) T₃ e) None of the above 	A
<p>9. <u>Regarding parafollicular cell:-</u></p> <ul style="list-style-type: none"> a) Smaller than follicular cells b) They reach the lumen of the follicle c) Pale cytoplasm d) Represent 20 % of lining epithelium of thyroid follicles e) Secrete thyroxine hormone 	C
<p>10. <u>All of the following is true about thyroid gland except:-</u></p> <ul style="list-style-type: none"> a) It is butterfly in shape b) It consists of 2 lobes connected by Isthmus c) It is highly vascular d) It is exocrine gland e) Its secretion is controlled by TSH 	D



<p>11. Colloid:-</p> <ul style="list-style-type: none">a) It is homogenous basophilicb) It stains magenta with PASc) It is synthesized by parafollicular cellsd) It is made of carbohydrate and lipide) It is characteristic for parathyroid gland	B
<p>12. Which cell secrete calcitonin:-</p> <ul style="list-style-type: none">a) C-cellb) Follicular cellsc) Oxyphild) Chief celle) Thyrocytes	A
<p>13. Which of the following is present in parenchyma of parathyroid gland:-</p> <ul style="list-style-type: none">a) Follicular cellb) C-cellc) Pituicytesd) Oxyphil celle) Thyrotrophs	D
<p>14. All the of the following are true about parathyroid glands except:-</p> <ul style="list-style-type: none">a) They are four in numberb) Present on the posterior aspect of the Thyroid glandc) Consists of Stroma and parenchymad) Secretes calcitonine) Contains chief & oxyphil cells	D
<p>15. Which cell type is involved in the secretion of thyroglobulin:-</p> <ul style="list-style-type: none">a) Principal cellb) Oxyphil cellc) Follicular celld) Parafollicular celle) Chromaffin cell	C



<p>16. Which gland secretes calcitonin:-</p> <ul style="list-style-type: none">a) Parathyroidb) Thyroidc) Pineal glandd) Suprarenal cortexe) Suprarenal medulla	B
<p>17. Which cell type is also called C-cell:-</p> <ul style="list-style-type: none">a) Principal cellb) Oxyphil cellc) Parafollicular celld) Follicular celle) Chromaffin cell	C
<p>18. Which of the parathyroid cells is also called chief cells:-</p> <ul style="list-style-type: none">a) Principal cellb) Oxyphil cellc) Parafollicular celld) Follicular celle) Chromaffin cell	A
<p>19. What is the most numerous cell in parathyroid gland:-</p> <ul style="list-style-type: none">a) Principal cellb) Oxyphil cellc) Parafollicular celld) Follicular celle) Chromaffin cell	A
<p>20. What is the most numerous cell in thyroid gland:-</p> <ul style="list-style-type: none">a) Principal cellb) Oxyphil cellc) Parafollicular celld) Follicular celle) Chromaffin cell	D



<p>21. Which of the parathyroid cells is few in number:-</p> <ul style="list-style-type: none">a) Principal cellb) Oxyphil cellc) Parafollicular celld) Follicular celle) Chromaffin cell	B
<p>22. Which of the thyroid cells is few in number:-</p> <ul style="list-style-type: none">a) Principal cellb) Oxyphil cellc) Parafollicular celld) Follicular celle) Chromaffin cell	C
<p>23. Oxyphil cells of parathyroid gland is characterized by all except:-</p> <ul style="list-style-type: none">a) Few in numberb) Strong basophilicc) They represent degenerated chief cellsd) They increase with old agee) They may show low PTH secretion	B
<p>24. L/M examination of a biopsy from hyperactive thyroid gland shows which of the following findings:-</p> <ul style="list-style-type: none">a) Lining epithelium is ciliatedb) Lining epithelium is pseudostratified columnarc) Lining epithelium is simple columnard) Lining epithelium is simple cuboidale) Lining epithelium is squamous	C
<p>25. L/M examination of a biopsy from hypoactive thyroid gland shows:-</p> <ul style="list-style-type: none">a) Lining epithelium is ciliatedb) Lining epithelium is pseudostratified columnarc) Lining epithelium is simple columnard) Lining epithelium is simple cuboidale) Lining epithelium is squamous	E



<p>26. Parafollicular cells:-</p> <ul style="list-style-type: none">a) Respond to TSHb) Involved in uptake of thyroglobulinc) Larger than follicular celld) 10% of thyroid cellse) Deep basophilic	C
<p>27. Which endocrine gland stores its secretions extracellularly:-</p> <ul style="list-style-type: none">a) Pituitaryb) Parathyroidc) Thyroidd) Adrenal cortexe) Adrenal medulla	C
<p>28. What is the shape of follicular cells in normal thyroid gland:-</p> <ul style="list-style-type: none">a) Simple squamousb) Simple columnarc) Pseudostratified columnard) Simple cubicale) Stratified columnar	D
<p>29. Which of the following cells shows apical microvilli:-</p> <ul style="list-style-type: none">a) Follicular cellsb) Parafollicular cellsc) Oxyphil cellsd) Chief cellse) Chromaffin cells	A
<p>30. Which of the following cells shows large number of abnormal shaped mitochondria:-</p> <ul style="list-style-type: none">a) Follicular cellsb) Parafollicular cellsc) Oxyphil cellsd) Chief cellse) Chromaffin cells	C