

Control question and literature to the Topic 3 “Disorders of chromo proteins metabolism (exogenous and endogenous pigments). Hemosiderosis and hemochromatosis. Jaundice. Disorders of nucleic acids metabolism. Pathological calcification. Formation of stones.”

on pathological anatomy (3rd semester)

Control question:

1. Disturbance of the exchange of hemoglobinogenic pigments. Hemosiderosis, hemochromatosis, hemomelanosis, jaundice (hemolytic, obstructive and hepatic), porphyria: causes, pathogenesis, morphological characteristics, outcomes, functional significance.
2. Disturbance of the exchange of proteinogenic pigments. Hypomelanosis and hypermelanosis (general and local, acquired and hereditary): examples, causes, pathogenesis, morphological characteristics, outcomes, functional significance.
3. Disturbance of lipidogenic pigment metabolism: causes, pathogenesis, morphological characteristics, outcomes, functional significance.
4. Disturbance of the exchange of nucleoproteins. Gout, urolithiasis, uric acid infarct: causes, pathogenesis, morphological characteristics, outcomes, functional significance.
5. Disturbance of calcium metabolism – calcification (calcinosis, petrification): definition. Types of calcinosis (metastatic, dystrophic and metabolic): causes, pathogenesis, morphological characteristics, outcomes, functional significance. Rickets: causes, pathogenesis, morphological characteristics, outcomes, functional significance. Impact of calcium and phosphorus metabolism on the formation of jaw bones.
6. Stone formation: causes and mechanisms. Types of stones. Stones of salivary ducts. Complications of stone formation.

Literature to the Topic

Basic literature:

1. “Basic pathology” Vinay Kumar, Ramzi S. Cotran, Stanley L. Robbins, 1997.

Additional literature:

1. “Pathology. Quick Review and MCQs” Harsh Mohan, 2004.
2. “Textbook of Pathology ” Harsh Mohan, 2002.
3. “General and Systemic Pathology” Joseph Hunter, 2002.
4. “General and Systematic Pathology ” Ed. J.C.E. Underwood – Edinburgh: Churchill Livingstone, 1996 (2th).
5. “Histology for Pathologist” Ed. S.S.Sternberg – Philadelphia: Lippincott Raven Publ, 1997 (2th).
6. “Histopathology. A Color Atlas and Textbook” Damjanov I., McCue P.A. – Baltimore, Philadelphia, London, Paris etc.: Williams and Wilkins, A Waverly Co., 1996.
7. “Muir’s Textbook of Pathology” Eds. R.N.M. MacSween, K. Whaley London: ELBS, 1994 (14th).
8. “Pathology” Eds. Rubin, J.L. Farber – Philadelphia: Lippincott Raven Publ, 1998 (3th).
9. “Pathology Illustrated” Govan A.D.T., Macfarlane P.S., Callander R. – Edinburgh: Churchill Livingstone, 1995 (4th).
10. “Robbins Pathologic Basic of Disease” Eds. R.S.Cotran, V.Kumar, T.Collins – Philadelphia, London, Toronto, Montreal, Sydney, Tokyo: W.B.Saunders Co., 1998 (6th).
11. “Wheater’s Basic Histopathology. A Color Atlas and Text” Burkitt H.G., Stevens A.J.S.L., Young B. – Edinburgh: Churchill Livingstone, 1996 (3th).
12. “Color Atlas of Anatomical Pathology” Cooke R.A., Steward B. – Edinburgh: Churchill Livingstone, 1995 (10th).

13. "General Pathology" Walter J.B., Talbot I.C. – Edinburgh: Churchill Livingstone, 1996 (7th).
14. "Concise Pathology" Parakrama Chandrasoma, Glive R. Taylor.
15. "Pathology" Virginia A. LiVolsi, Maria J. Merino, John S. J. Brooks, Scott H. Saul, John E. Tomaszewski, 1994.
16. "Short lectures on pathology" Zagoroulko A., 2002
17. "Robbins pathologic basis of diseases" Cotran R., Kumar V., Collins T.
18. "General pathology" Dr. Fatma Hafez, 1979.
19. "Anderson's Pathology" Damjanov I., Linder J. – St. Louis: Mosby Inc., 1995 (10th).

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