Dr. V.K. Chauhan
Solved Multiple Choice Questions UPSC & M.D. Entrance Examination (Homoeopathy)

Reading excerpt
Solved Multiple Choice Questions UPSC & M.D. Entrance Examination (Homoeopathy)
of Dr. V.K. Chauhan
Publisher: B. Jain

http://www.narayana-verlag.com/b5721

In the Narayana webshop you can find all english books on homeopathy, alternative medicine and a healthy life.

Copying excerpts is not permitted.
Narayana Verlag GmbH, Blumenplatz 2, D-79400 Kandern, Germany
Tel. +49 7626 9749 700
Email info@narayana-verlag.com
http://www.narayana-verlag.com
Chapter 6

PATHOLOGY

Q. 1. In which one of the following conditions is Serum Alkaline Phosphatase not raised? (UPSC-02)
   (a) Hypothyroidism
   (b) Paget's disease
   (c) Hepatic disease resulting from certain drugs
   (d) Osteoblastic bone disease

   Ans. (a)

   Note:
   Normal Range: 44 to 147 IU/L
   Raised in: anemia, biliary obstruction, bone disease, healing fracture, hepatitis, hyperparathyroidism, leukemia, liver diseases, osteoblastic bone cancers, osteomalacia, paget's disease, rickets.
   Lower than normal: malnutrition, protein deficiency.

   More information:
   Elevation of serum alkaline phosphatase is found in diseases of bone, liver and in pregnancy.


Q. 2. Casoni's intradermal test is done for the diagnosis of: (UPSC-02)
   (a) Schistosomiasis
   (b) Hydatid cyst
   (c) Fish tapeworm infestation
   (d) Fascioliasis

   Ans. (b)

   Note:
   The diagnosis of hydatid cyst is made by peripheral blood eosinophilia, radiologic examination and serological test such as indirect haemagglutination test and casoni skin test.


Q. 3. Leiomyosarcoma is a malignant tumour originating from: (UPSC-02)
   (a) Bone marrow
   (b) Striated muscle
   (c) Fibrous tissue
   (d) Smooth muscle

   Ans. (d)

   Note:
   Leiomyosarcoma is a malignant smooth muscle neoplasm and may present as soft tissue tumours but about 95% leiomyomas and substantial fraction of the malignant counterparts as well occur within female genital tract.
Q. 4. Consider the following features: (UPSC-02)
   (a) Pleomorphism
   (b) Loss of polarity
   (c) Atypical mitosis
   (d) Atypical nuclear cytoplasmic ratio

Which of these features is / are helpful for confirmation of a malignant tumor?
   (a) a and b
   (b) c only
   (c) b, c, and d
   (d) a and d

Ans. (d)

Note:
As a result of neoplasia, noticeable alteration in neoplastic cells are observed-
1. Pleomorphism- means variation in size and shape of tumour cells.
2. Nucleocytoplasmic changes- nuclei of malignant tumour cells are enlarged, disproportionate to cell size so that nucleocytoplasmic ratio is increased.


Q. 5. During his study on filariasis, Manson observed that laboratory workers in the night shifts were better because they identified lots of microfilaria, while the day workers did not identify even a single microfilaria. Thus he excluded all the day workers from the blood test. This action was not justified because: (UPSC-02)
   (a) Microfilaria are formed during night
   (b) Mosquitoes introduce microfilaria during night
   (c) Microfilaria appears in peripheral blood at night
   (d) Microfilaria is destroyed by daylight

Ans. (c)

Note:
Wuchereria Bancrofts

Reference: Parasitology by K.D. Chatterjee, Ch- Nematohelminthes.

Q. 6. For the diagnosis of Hodgkin’s disease during histological examination one should confirm the presence of; (UPSC-02)
   (a) Lymphocytes
   (b) Reed sternberg cells
   (c) Macropolycytes
   (d) Shikata cells

Ans. (b)

Note:
Hodgkin’s disease is a disorder involving primarily lymphoid tissues. It is characterized morphologically by the presence of distinctive neoplastic giant cells called Reed Sternberg cells, admixed with a variable inflammatory infiltrate.
For the diagnosis of Hodgkin’s disease the detection of Reed-Sternberg Cells on Histological examination of biopsy is diagnostic.

Q. 7. Cloudy swelling occurs in all except; (UPSC-02)
   (a) Heart  
   (b) Kidney  
   (c) Liver  
   (d) Lung

Ans. (d)

Note:
In reversible cell injury, cellular swelling or cloudy swelling occurs. Cloudy swelling results from impaired regulation of cellular volume, especially for sodium. Injurious agent may interfere with regulatory mechanism and result in accumulation of sodium in cell which in turn leads to inflow of water and hence cellular swelling occurs. The affected organ such as kidney, liver or heart muscle is enlarged due to swelling.


Q. 8. Cholesterol level in blood does not increase in case of; (UPSC-02)
   (a) Nephrotic syndrome
   (b) Obstructive jaundice
   (c) Hypoparathyroidism
   (d) Hyperthyroidism

Ans. (d)

Note:
Normal Value: 140 -220 mg/dl
Increased levels occur in: Familial hyperlipidemias, hypothyroidism
Nephrotic syndrome, uncontrolled diabetes.
Decreased levels may indicate: hyperthyroidism, liver disease, malabsorption, malnutrition, pernicious anemia, 1 sepsis.

Ref: Essentials of Biochemistry by U. Satyanarayana, Pg-167

Also see:

<table>
<thead>
<tr>
<th>INCREASED LIPOPROTEIN CLASS</th>
<th>INCREASED LIPID CLASS</th>
<th>DISORDER</th>
</tr>
</thead>
<tbody>
<tr>
<td>LDL</td>
<td>Cholesterol</td>
<td>Nephrotic syndrome, hyperthyroidism</td>
</tr>
<tr>
<td>LDL and VLDL</td>
<td>Cholesterol and triglycerides</td>
<td>Nephrotic syndrome, stress, diet</td>
</tr>
</tbody>
</table>

Ref: Robbins pathologic basis of disease, 4th Edition, chapter 12-Blood Vessels, pg 561

Q. 9. The light brown perinuclear pigment seen on H & E staining of the cardiac muscle fibres in the grossly normal appearing heart of an 83 year old man at autopsy is due to deposition of: (AIIMS/May-03)
Dr. V.K. Chauhan
Solved Multiple Choice Questions
UPSC & M.D. Entrance Examination
(Homoeopathy)

1282 pages, pb
publication 2008

More books on homeopathy, alternative medicine and a healthy life www.narayana-verlag.com