

- Pathology

1. Follicles that has germinal centers in them which has B cells.
  - Cevabi follicular hyperplasia olan bir soru
2. Painless cervical LAP
  - Rosai Dorfman
3. Shauman bodies
  - Sarkoidosis
4. Evinde kedi olan kız
  - Cat strech disease
5. Lollipop sign
  - Castleman Disease
6. Pelger-Hüet cells
  - Myelodisplasia
7. Auer rods
  1. AML
8. Severe Splenomegaly yapmayan şık
  1. Primary tumor of spleen
  2. Chronic myeloproliferative tumors
  3. Gaucher
  4. Lymphomas
  5. **Bunlar dışındaki şıktı.**
9. Well-differentiated pancreas cells in stomach
  1. Choristoma
10. Bening bir tümör
  1. Leiomyoma
11. Adeno carcinom sarcoma falan filan alaklı bir soru
12. Deposition of collagen in band and lacunar cell
  1. Noduler Sclerozing
13. African boy, starry sky, Burrrkit lymphoma, hangi virüs buna yol açmıştır?
  1. EBV
14. Men came to hospital with genital and anus warts. What virus causes this?
  1. HPV
15. TP53 neyi kontrol eder?
  1. G1-S checkpointini kontrol eder.
16. Bone lytic lesions olan bir çocuğa en muhtemel teşhis?
  1. Multiple myeloma
17. Primidine dimer
  1. UVB
18. Tumor oluşumunun sıralaması
  1. Dysplasialar
  2. Hyperplasia
  3. Carcinoma in situ
  4. Metastasis
19. Çocuğun dizlerinde kanamalar var, leukocyte ya da thrombocyte sayısı yüksek  
**Eksik/Yanlış olabilir**
  1. Aplastic anemia

## 2. Multiple Myeloma

- Biochemistry

1. Guardian of genome
  1. P53
2. Erkeklerde en sık görülen ve en çok öldüren kanser tipi, sırasıyla
  1. Prostate and lung
3. Hepatocellular cancer marker
  1. Alfa-feto protein
4. Colon cancer marker that is used since 1950s?
  1. CEA
5. What is the most important property of a tumor marker for early diagnosis?
6. Sensitivity

- Nuclear Medicine

1. Cells that has the most radioresistance?
  1. Nerve cells
2. Used for treatment
  1. I-131
3. Not an early effect of radiotherapy?
  1. Cataract

- Medical Genetics

1. Tümör hücresinin bir yerden başka bir yere geçmesi
  1. Metastasis
2. Structural chromosome diff. ?
  1. Cri du chat
3. Which one is correct about mitochondrial diseases?
  1. Variations in heteroplasmy can result in variation in the severity of the mitochondrial diseases
4. Which one is wrong?
  1. Tumor cells has more need for Growth Factor.
5. There was a question that's answer was GF. **Eksik/Yanlış olabilir**
6. Which options are not true? **Eksik/Yanlış olabilir**
  1. Option 2 was "DNA repair enzymes do/do not **(Not sure about this part)** participate in cellular proliferation".
  2. Only III **(suspicious)**
7. Autosomal dominant syndrome
  1. Huntington Disease
8. Fragile X, which gene?
  1. FMR1
9. AML chromosomal structure change, which type?
  1. Robertsonian translocation

- Pharmacology

1. Iron chelation therapy agent that is given intravascularly

1. Deferoxamine
2. Agent that is used in type II diabetes and decreases B12 absorption
  1. Methformin
3. Drug that is used to prevent NSAID induced gastric ulcer?
  1. Misoprostol
4. Drug that is used in an attempt to close ductus arteriosus? **Eksik/Yanlış olabilir**
  1. Aşağıdakilerden ikisi de vardı:
    1. Indomethacin **Çıkmışlarda**
    2. Alprostadil **Slaytta**
5. Side effect of diphenhydramine?
  1. Sedation
6. Bradykinin B2 receptor antagonist, used in treatment for angioedemas?
  1. Icatibant
7. Which one is not an indication for a prophylactic iron therapy administration?
  1. Thalassemias
8. Which one of the following is a congener of vit B12, and used in deficiency states?
  1. Hydroxocobalamin
9. A patient requires Filgrastim (G-CSF), after being treated with antineoplastic drugs, the therapeutic objective is to prevent \_\_?
  1. Systemic infections
10. Which one has specific activity in a subset of female breast cancer?
  1. Trastuzumab
11. Cardiomyopathy
  1. Doxorubicin
12. Chemotherapy induced acute hemorrhagic cystitis in a patient. Which is not responsible for this?
  1. Cyclophosphamide
13. Cancer chemotherapy which was complicated by severe chemotherapy-induced thrombocytopenia. Treatment?
  1. Oprelvekin (IL-11)
14. A child has taken iron tablet, and which toxicity is seen?
  1. Necrotizing gastroenteritis, shock, and metabolic acidosis
15. 23-year-old pregnant, mild microcytic anemia. Optimal treatment?
  1. Ferrous sulfate tablets
16. Cysteinyl-leukotrien receptor antagonist used for the bronchial asthma?
  1. Montelukast
17. PGE2/PGF2
18. Imatinib changed what?
  1. Instead of focusing prevention of proliferation of cancer cells, after imatinib, scientists focused each cancer type individually. **Tam şık bu değil**
19. Treatment of PAH(pulmonary arterial hypertension)?
  1. Bosentan
20. Iron overdose potential, what shouldn't patient take?
  1. Vitamin C
21. Which one is given to Thalassemia patients? **Eksik/Yanlış olabilir** 2. Folic acid

22. Tea decreases iron absorption
23. Why parenteral iron is given?
  1. Failure of oral iron treatment
24. Which one is not given folic acid?
  1. B12 induced megaloblastic anemia

- Hematology

1. Hodgkin recovery rate
  1. %85
2. Which one is not a chronic disease anemia reason?
  1. Infection
  2. Cancer
  3. Chronic organ transplant rejection
3. Which one is not an erythrocyte membrane defect?
  1. G6PD deficiency
4. Total gastrectomy, Lack of which of the following causes anemia?
  1. Intrinsic Factor
5. Paresthesia in hands, anemia. Cause?
  1. B12 Deficiency
6. A patient with a cracked nail, paleness... Which anemia?
  1. Iron deficiency
7. Which one is true for hemolytic anemia?
  1. Low Haptoglobin, High LDH, High Unconjugated Bilirubin
8. Which one is true for iron deficiency anemia?
  1. Low MCV, Low MCHC, High TIBC, Low Ferritin
9. Pregnancy isteyen bir kadın, has Folate deficiency. Which one of the following should the doctor care the most?
  1. Neural tube defect
10. Which one of the following is not microcytic anemia? **Eksik/Yanlış olabilir**
  1. Hypothyroidism
11. Which one of the following is not macrocytic anemia?
  1. Thalassemia
12. Which one of the viruses does not cause NHL?
  1. Heli. py.
  2. CMV
  3. EBV
  4. HTLV1
  5. None
13. IA Hodgkin \_\_? **Eksik/Yanlış olabilir**
14. Which one is not a symptom of IDA?
  1. Weight gain
15. What is tested with Romberg test?
  1. B12 deficiency - Pernicious anemia
16. Which one is given to Sideroblastic anemia?
  1. Pyridoxine
17. The earliest symptom of iron deficiency anemia?
  1. Paleness

18. A man's HbA2 is 5%. What would you do next?
1. Splenectomy
  2. Checking the wife for it too
19. Which one is not a neurocranial symptom?
1. Paleness
20. Iron neye katılmaz?
1. Glutamate ile birleşmez.
21. Which one is not a feature of Reed-Stenberg cells?
1. CD45-55
22. Which one is not in the secondary hemostasis? **Eksik/Yanlış olabilir**
23. Which one is not in the primary hemostasis? **Eksik/Yanlış olabilir**