Immune Final

BAU#1

1) **IPEX (immune dysregulation polyendocrinopathy enteropathy X-linked)a systemic autoimmune disorder due to:**
   - CD25 Polymorphisms
   - mutation of NOD2
   - FOXP3 mutations*
   - mutation of PTPN22
2) **tumor cell can escape from immune system by**
   - Selective outgrowth of antigen-positive variants
   - Galectins secretion*
   - upregulation of costimulators on APCs
   - increase expression of MHC molecules
3) **regarding to causes of why multiple doses of vaccines are necessary, which of the next is wrong:**
   - Single does may not provide sufficient immunity (e.g. HIB)
   - Immunity wanes over time; “booster” dose is needed (DTaP)
   - Single dose does not produce immunity for everyone (e.g. measles)
   - Vaccine components change over time (e.g. tetanus)*
4) **which of the next is not example of a live attenuated vaccine:**
   - Mumps
   - BCG
   - stalk polio *
   - Typhus
5) **Most child death from vaccine preventable diseases is by:**
   - rotavirus & pneumococcal disease*

6) **Short periods vaccine:**
   - Cholera*
7) **Which from the next diseases that have normal T cell mediated reaction:**
   - Hyper-IgM syndrome
   - Common variable immunodeficiency
   - Bruton gammaglobulinemia*
   - Severe combined immunodeficiency syndrome
8) **Regarding to Isolated IgA Deficiency which of the following is correct:**
   - Some individuals also deficient in the IgG2 and IgG4*
9) **Secondary Antiphospholipid antibody syndrome usually present with:**
   - SLE*
10) **In pt. with Sjogren syndrome detection of Anti-Ro mean:**
   - Worse prognosis*
11) **non atopic immediate type1 hypersensitivity due:**
   - secretion of histamine*
12) **Autoimmune disease can be occur due to :**
   - PTPN 22 deficiency*
13) **for preventing HDN**
   - Indirect coombs test*
14) **virtually in all patients with Systemic sclerosis they present with:**
   - Raynaud phenomenon*
15) **The most important cell type in HSR type 1 is:**
   - TH2*
16) **Which from the next is the most important molecule in HSR type1 in second exposure to the allergen:**
   - IgE*
17) **In T cell–mediated hypersensitivity what is the most important cell:**
   - Th1*
   - Cytotoxic T-cell
18) **Which from the next is the most important molecule in HSR type4:**
   - IL-2*
19) **Which of the next defects affect granulocyte movement to the infection site:**
   - sialyl-Lewis X deficiency *

20) regarding Chédiak-Higashi syndrome what gene is effected:

- LYST*

21) Infant with a recurrent sinusitis, otitis, hypoplastic thymus…"some other symptoms and description". What do you suspect?!

- Severe combined immunodeficiency syndrome*

22) The most common immunodeficiency world wild is:

- Isolated IgA Deficiency*

23) The risk of getting HIV after using contaminated needles that have been used with patients is:

- 0.3%*

24) The molecule that must be blocked to prevent fusion of the viral envelop with the cell membrane is:

- gp41*

25) Grafts among members of one inbred strain is equal to:

- Syngeneic graft*

26) Dendritic cell from the donor organ that recognized a foreign peptide is conceder an example about :

- Direct recognition*

27) Pt. that had a chronic rejection, what from the following is the best defined in section of that organ under microscop:

- tubular atrophy *

28) regarding GVHD, what from the next do you suspect that will undergo epithelial cell necrosis:

- kidney
- heart
- brain
- intestine*

29) In pt. with liver cancer, which of the following antigens you may find?

- AFP*

30) In pt. with acute Intravascular hemolysis what is the main responsible antigen?

- ABO*

31) In person with Bombay blood group he has deficiency with which of the following enzyme?

- fucosyl transferase*

32) in case of ABO incompatibility on solid organ between the donor & the recipient what type of rejection would occur:

- hyperacute rejection*

"All the studying you are doing will be worth it at the end"✌

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Good Luck