PRACTICE QUESTIONS

1. Choose the correct statement:

A. dendritic cells express MHC 1 but not MHC II molecules

B. follicular dendritic cells (FDC) are antigen presenting cells

C. **FDC are present in the primary lymphoid follicles**

D. FDC secrete IL 5

E. dendritic cells present lipid antigens to classical T cells.

2. Interleukins are cytokines with different functions in the immune response. For each of the following cytokines, the function is paired correctly except in which one

A. IL 4 and class switching to IgE

B. Interferon gamma and switching to IgG3

C. IL 7 and T cell development

D. IL 1 and inflammatory response

E**. IL 2 and inhibition of killer T cell proliferation .. wrong because IL2 increases T cell proliferation**

3. Regarding immunoglobulins, which of the following is incorrect

A. IgM molecules have more antigen avidity than the rest of Ig classes

B. **IgG can be secreted in breast milk…. Wrong IgA is secreted in breast milk**

C. IgG helps NK to get rid of pathogens via antibody dependent cellular cytotoxicity

D. IgA is the most abundant immunoglobulin in the body

E. IgE can coat mast cells

4. Which is incorrect regarding hereditary angioedema

A. can be clinically confused with systemic anaphylaxis as both can cause laryngeal edema and spasm

B. **the edema is itchy due to increased histamine … wrong because histamine is not really increased**

C. caused by C1INH deficiency

D. the complement classical pathway is inhibited but other pathways are normal

E. intestinal swelling causes abdominal pain

5. Which of the following cells kills by phagocytosis:

A. **neutrophil**

B. NK cell

C. Cytotoxic T cell

D. dendritic cell

E. M cells in Payers patches

6. Which is correct regarding antigen presenting cells

A. present exogenous but not endogenous antigens

B. **express co stimulatory molecules like B7**

C. all travel from site of infection to the lymph node in order to stimulate T cells

D. recognize antigens via specific receptors

E. need transport TAP proteins to process antigens presented on MHC II molecules