

Course No:
Course Title: Immunity & Nutrition
Date: 18/04/2018
No. of Questions: (5)
Time: 1hours
Using Calculator (No)

University of Palestine



Second Middterm Exam
For 2nd Semester.
2017/2018
Total Grade:

Instructor Name: Dr Marwan Jalambo
Student No.: _____
Student Name: _____
College Name: _____
Dep. / Specialist: _____
Using Dictionary (No)

Question One: Put True (T) or False (F) with correction the wrong sentences

1. () Vitamin B12 deficiency increase complement factor C3.
2. () In obese man, adipocytes increase the inflammatory markers and influence to decrease macrophages.
3. () Neopterin is a marker to evaluate the cytokines production.
4. () Beta carotene can decrease the cytotoxic effect.
5. () During protein energy malnutrition, the natural kill cells increase their activity.
6. () The macrophages can engulf dead adipose cells inside the body.
7. () vitamin B12 deficiency is associated with decreased CD8+ T-cell number and NK activity.
8. () Vitamin A deficiency blocks retinol dependent signals during embryonic development.
9. () Zinc is in low, normal, or marginal range levels are associated with impaired immune function in chronic anemia and cancer.
10. () The secondary lymphoid organs are the sites of lymphocyte activation by antibody.
11. () T cells from well-nourished children are immature compared with those from children with severe Protein Calorie Malnutrition (PCM).
12. () Mononuclear phagocytes can eliminate viruses from the circulation, and their scavenger function constitutes the second line of defense.
13. () Neopterin is a good marker of high risk of complications like as intraamniotic fluid infections and severe preeclampsia.
14. () IL-6 is pro-inflammatory and believed to raise body temperature by influencing the prostaglandin production.
15. () Omega 3 fatty acids decrease the ability of monocytes to produce IL-1, and some types of TNF in response to endotoxin.

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Question Two: MCQ; Choose The Correct Answers

- Kupffer cells are present in
 - The Liver
 - The Spleen
 - a+b
 - None of the above
- example of endogenous pyrogen
 - IL-1
 - TNF- α
 - a+b
 - none of above
- Protein-energy malnutrition causes atrophy of
 - Thymus
 - Spleen
 - Tonsils
 - Lymph nodes
 - All the above
- Causes of immune dysregulation affected by
 - Stress
 - Elderly
 - a+b
 - None of above
- Consume Omega 3 among obese people may
 - Decrease the inflammatory markers
 - Increase insulin sensitivities
 - Inhibit TNF- α
 - All of the above
- Vitamin A produced by gut cells, is an important signal that induces
 - IgA-producing T-cells.
 - IgA-producing B-cells.
 - IgE-producing B-cells.
 - a+b
 - None of the above
- Micronutrients supplementation among diabetes Mellitus for 6 months causes
 - Decreased count of CD8+ and increased count of CD4+
 - Increased count of CD8+ and increased count of CD4+
 - Decreased count of CD8+ and decreased count of CD4+
 - Increased count of CD8+ and decreased count of CD4+



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8. Infection during pregnancy may causes
 - a. Increase cytokines production
 - b. Increase Th 1 cytokines
 - c. Increase TNF
 - d. All the above

9. Vitamin C and E may
 - a. Decrease lipid peroxidase
 - b. Increase lipid peroxidase
 - c. Neither decrease nor decrease the lipid peroxidase

10. Vitamin B12 deficiency can
 - a. decrease IgM, IgG and IgE
 - b. decrease IgM, and IgG and increases IgE
 - c. decrease IgM, and IgE and increases IgG
 - d. increase IgM, IgG and IgE

11. which cells tend to generate responses (choose the best and answer)
 - a. Th1 generate response intracellular parasites, while Th2 cells extracellular parasites.
 - b. Th1 and Th2 generate response intracellular parasites.
 - c. Th1 generate response extracellular parasites, while Th2 cells intracellular parasites.
 - d. None of the above

12. What happen if consume 800 µg/d of vitamin A, and 25 mg/d of zinc
 - a. reduction in CD4+ T cells and increased the number of CD4+ T cells, respectively.
 - b. reduction in CD4+ T cells and increased the number of CD4+ T cells, respectively.
 - c. reduction in CD8+ T cells and increased the number of CD8+ T cells, respectively.
 - d. reduction in CD8+ T cells and increased the number of CD8+ T cells, respectively.

Question Three: Define Pathogen-Associated Molecular Patterns (PAMPS)

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Question Four: Define acute proteins with mentions names of popular acute phase proteins.

Question Five: Define subclinical mastitis and mention causes of its?

End of Questions
Good Luck