

Multiple Choice and Short Answer integrated Questions:

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CASE-1

A 37 years old man who was in desert then he found a not clean water and dranked 2 week later he developed diarrhea without blood or pus and weight loss which continue from 5 weeks ago.

A. Which one of the following is the most likely causative organism:

A-Entamoeba Histolytica

B-Giardia lamblia

C-Shigella spp

D-Cryptosporidium Parvum

B. Explain how this organism infect humans ?

C. What is infective form and diagnostic form?

D. The comments and easiest and first test used to diagnosis ?

A-Detection of antigens in stool

B-Serology

C-Microscopy for cysts or trophozoites

D-culture of stool

CASE-2

A 27 years old man who presented to ER has a history of 2 weeks of abdominal pain , diarrhea , and bloody stools ,Weight loss, and fever .

A. Which one of the following is the most likely causative organism:

A-Entamoeba Histolytica

B-Giardia lamblia

C-Shigella spp

D-Cryptosporidium Parvum

B. What's the difference between this organism and organism in case 1 ?

C. What's most important complications can cause it ?

D. What most effective treatment in this case?

A-Paromomycin

B-Furamide

C-Metronidazole

D-Omeprazole

E. Doctors worldwide confused and mixing between this organism(in this case) and :

A-Entamoeba Histolytica

B-Giardia lamblia

C-Shigella spp

D-Cryptosporidium Parvum

CASE-3

A 46 years old immunocompromised patient come to ER with history of severe debilitating diarrhea with weight loss

- **Which one of the following is the most likely causative organism:**

A-Entamoeba Histolytica

B-Giardia lamblia

C-Shigella spp

D-Cryptosporidium Parvum

- **40 and 50 years ago this organism was not known and now well-known this because:**

A-increase HIV patient

B-increase DM patient

C-mutation which make it more virulence

D-in past cross matching with other organisms

- **What most effective treatment in this case?**

A-Paromomycin

B-Furamide

C-Metronidazole

D-Omeprazole

- 1-Which of the following is the infective-state of Giardia lamblia:**

A- trophozoites.

B- Cyst.

C- All of above.

2-Which of the following is the treatment of Giardia lamblia infection:

A- Metronidazole.

B- Gentamycin.

C- Paromomycin.

3-Which of the following stains is useful to diagnose Cryptosporidium Parvum:

A- Silver stain.

B- H&E stain.

C- Acid-Fast stain.

4-Which of the following is the best treatment of asymptomatic amoebiasis:

A- Paromomycin.

B- Metronidazole.

C- diloxanide furoate.