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**1- 27 year old women who diagnosed by infective endocarditis cause damage heart valves microbiology lab report named organism who is of normal flora what was that organism?**

- A-B.fragilis
- B-E.coli
- C-S.Viridans
- D-N.meningitidis

**2- Depends on your answer in Q1 where can find this organism as normal flora ?**

- A-colon
- B-small intestine
- C-mouth
- D-stomach

**3-Normal flora of Colon of Breastfeeding infants usually :**

- A-Bifidobacterium*
- B-Clostridium*
- C-Peptostreptococcus*
- D-Fusobacterium*

**4-In 45 years old man Pseudomonas sometimes can be found in :**

- A-Mouth
- B-Small intestine
- C-large intestine
- D-Nasopharynx

**5-Which of following isn't normal flora of adult colon ?**

- A-E.coli*
- B-Yersinia enterocolitica*
- C-Klebsiella*
- D-Proteus*

**6-What is the commonest cause of infectious diarrhea?**

- A-Rotavirus*
- B-C. jejuni*
- C-E. coli*
- D-Salmonella*

**7-A guy twenties in cafe you heard he tell his friend say last week I had a Abdominal cramps, bloody diarrhea, nausea and vomiting which continues to 3 days as a medical student what first organism come in your mind?**

*A-Enteroinvasive E.coli ( EIEC)*

*B-Enterohemorrhagic E.coli ( EHEC)*

*C-Campylobacter*

*D-Yersinia*

**8-A 54 years old man who developed meningitis and started antibiotic treatment with ceftriaxone + gentamicin 2 weeks later his fever returned to normal and he was treated of meningitis doctor say 2 days later can stop AB in evening he has diarrhea, fever, and abdominal cramp what is causative organism ?**

*A-Clostridium difficile*

*B-E.coli ( EIEC)*

*C-Yersinia*

*D-Salmonella*

**9-Depend on your answer Q8 what is most appropriate treatment?**

A-Metronidazole ± Vancomycin

B-supportive treatment and stop AB

C-Clindamycin

D-erythromycin

**10-A 43 man who is traveling in South Asia he developed watery diarrhea and abdominal cramps it continues from 5 days ago what is most likely causative organisms?**

A-ETEC

B-EAEC

C-EPEC

D-EHEC

**11-Depend on your answer in Q10 what's routine diagnostic method ?**

A-Sereny test

B-history

C-DNA probes

D-all answers above

**12-What's commonest organism cause outbreaks in hospital nurses and daycare center?**

A-EPEC

B-EAEC

C-EHEC

D-EIEC

**13-Which one of following usually doesn't infect pediatric and infant group?**

A-EPEC

B-EAEC

C-EHEC

D-EIEC

**14- Pediatric patient presented with Watery diarrhea, vomiting, dehydration and abdominal pain and UTI what is causative organism?**

A-EPEC

B-EAEC

C-EHEC

D-EIEC

**15- A young adult male come to ER with Bloody diarrhea, low grade fever and hemolytic uremic syndrome[ low Platelet count, hemolytic anemia and kidney failure ] while taking history he say I was eating undercooked hamburgers 3 days ago what is most likely causative organism ?**

A-EPEC

B-EAEC

C-EHEC

D-EIEC

**16-8 years old child presented to ER has Dull pain near the navel or the upper abdomen that becomes sharp as it moves to the lower right abdomen Loss of appetite, Nausea and vomiting soon after abdominal pain begins and Abdominal swelling (classic symptoms of appendicitis ) and arthritis what is media use for do culture for this case ?**

A-Cefsulodin-Igrasan-Novobiocin

B-blood agar w/ antibiotics to inhibit other non pathogenic bacterial growth

C-Cary blair Campybab

D-sorbitol MacConkey agar cefixime

**17-A box of ham sandwiches with mayonnaise prepared by a person with a boil on his neck was left out of the refrigerator for the on call interns. Three doctors became violently ill approximately 2 h after eating the sandwiches. The most likely cause is:**

*A-S.aureus enterotoxin*

*B-Entamoeba histolytica*

*C-C.difficile*

*D-C.perfringens toxin*

**18-Which one of following organisms produce neurotoxin?**

*A-C.botulinum*

*B-C. jejuni*

*C-E. coli*

*D-Salmonella*

**19-Which of following isn't risk factor for diarrheal diseases ?**

A-traveling

B-eat from restaurants

C-abnormal peristalsis

D-UTI

**20-Alpha-Hemolytic streptococci is NF in :**

A-colon

B-stomach

C-mouth

D-vagina

**21-A patient was hospitalized after an automobile accident. The wounds became infected and the patient was treated with Tobramycin, Carbenicillin, and Clindamycin. Five days after antibiotic therapy was initiated the patient developed severe diarrhea and pseudomembranous enterocolitis. Antibiotic-associated diarrhea and the more serious pseudomembranous enterocolitis can be caused by:**

*A- Clostridium sordelli*

*B-Clostridium perfringens*

*C-Clostridium difficile*

*D-Staphylococcus aureus*

**22-Symptoms of Clostridium botulinum food poisoning include double vision, inability to speak, and respiratory paralysis. These symptoms are consistent with:**

A-Invasion of the gut epithelium by C.botulinum

B-Secretion of an enterotoxin

C-Endotoxin shock

D-Ingestion of a neurotoxin

**23-The treatment of choice for a patient with Campylobacter jejuni enterocolitis is:**

A-Erythromycin

B-Ciprofloxacin

C-Ampicillin

D-Pepto-Bismol

**24-E. coli causes disease by a variety of different methods. Which one of the following E. coli types is characterized by the presence of LT (heat-labile) and ST (heat-stable) proteins?**

A-Enteroinvasive (EIEC)

B-Enterotoxigenic(ETEC)

C-Enterohemorrhagic(EHEC)

D-Enteropathogenic(EPEC)