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CASE

A man visiting India arrives in the emergency room with signs of severe dehydration: He is thirsty, has decreased skin turgor, tachycardia, and somnolence. He abruptly began to suffer from diarrhea this morning and complains about the magnanimous watery volumes he is excreting. He has no fever, and the doctor treats with fluid and electrolytes.

What is your diagnosis ?

What you would see under the microscope?

What type of culture would you order?

What is the best agar for growing such organism?

What is the most serious complication for this patient?

What is your treatment?

Q\ V.cholerae is a:

- A. Gram positive rod
- B. Gram negative cocci
- C. Gram positive cocci
- D. Gram negative rod

Q\ One of the serotype of V.cholerae that has a toxic effect is:

- A. O114
- B. O139
- C. O45
- D. O11

Q\ Which blood type that is more susceptible to cholera more than the other?

- A. Blood type A
- B. Blood type B
- C. Blood type AB
- D. Blood type O

Q\ What is the most common way for transmitting of V.cholerae?

- A. Poisonous food
- B. Contaminated water
- C. Moist environment

Incubation time for V.cholerae is:

- A. 1-3 days
- B. 3-5 days
- C. 5-7 days
- D. 7-9 days

Which of the following is not true regarding cholera:

- A) intestinal infection
- B) invasive diarrheal disease
- C) caused by V.cholera endotoxin
- D) major epidemic disease

A 32 year old male has traveled to Brazil for 3 months. During that period he went to a traditional sea food restaurant after a while he noticed cramps and has developed severe diarrhea. When he went to the hospital he was diagnosed with cholera. What is the average period required to develop his symptoms.

- A) few hours -5 days
- B) 3-5 days
- C) 1-3 days
- D)1 week

Which of the following is a characteristic feature of V.cholerae:

- A) gram +ve
- B) ciliated
- C) proliferate in summers
- D) it has pathogenic and nonpathogenic strains.

What is the the most common way of transmission of V.cholerae:

- A) contaminated food or water
- B) casual contact
- C) sexually
- D) inhalation

Which of the following is at highest risk to be infected by V.cholerae:

- A) pregnant women
- B) male
- C)AB blood type
- D) low gastric acidity

What is the action of cholera toxin on the intestinal cells:

- A) increase the flow out of electrolytes by activation of ion channels.
- B) decrease the absorption of water
- C) damage the wall of the intestines
- D) none

What is disadvantage of killed whole cell vaccines:

- A) the applied person may develop the symptoms
- B) requires multiple doses
- C) the protection in children rapidly declines after 6 months
- D) all