

Multiple Choice and Short Answer integrated Questions:

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CASE-1

An 14 month old child is brought to the pediatrician with a case of diarrhea which his mother describes as “explosive”, loose, and watery. She hasn’t noticed any blood in the stools. Prior to yesterday’s onset of diarrhea, the baby had been vomiting for 2 or 3 days.

A. What is the most likely etiology of this patient’s gastroenterit?

- 1-Rotavirus
- 2-Adenovirus
- 3-Caliciviruses
- 4-hepatitis A

B. Rotoviruses are characterized by what kind of genome?

C. What is the mode of transmission of the virus?

D. When it is becoming more ?

E. How do you management the viruse?

CASE-2

A - 7-month old infant presented with fever and watery diarrhea for the past 2 days. The doctor suspects viral GE, so a stool sample was taken for examination.

A. The best way to examine this sample is by:

- a. Cell culture.
- b. EM.
- c. ELISA.
- d. RT-PCR.

B. For question 1, the detected virus is probably a:

- a. Rotavirus type E.
- b. Rotavirus type A.
- c. Adenovirus subgenus B.
- d. Adenovirus subgenus F.

C. What is the most common causes of Viral GE?

D. How does it occur? Route

E. What is the treatment?

F. What is the prevention?

Which type of vaccine we use in Rotaviruses?

- a) Live attenuated
- b) Inactivated
- c) Toxoid
- d) Conjugate

What is the most common way to diagnose viral GE:

- a) Viral DNA detection by ELISA
- b) Cell culture
- c) Ag detection in stool by ELISA

Common serotypes that cause GE in adenovirus is:

- a)40&43
- b)40&41
- c)41&42
- d)40,41&44

Both of these viruses have ssRNA genome:

- a) Rotavirus, Adenovirus
- b) Rotavirus, Calcivirus
- c) Astrovirus, Calcivirus

The most proper way to manage viral GE is:

- a) Vaccination
- b) Antiviral agent
- c) Rehydration
- d) Antibiotic

A man who went on a cruise and ate shellfish, after 1 day he presented with diarrhea. The Morphology tests showed ssRNA, small round structured viruses . Which of the following is the most likely causative virus?

- a) Rotavirus
- b) Adenovirus
- c) Norovirus
- d) Astrovirus

The most common viral ENDEMIC cause of GE among infants and young children is :

- a) Rotavirus
- b) Calcivirus
- c) Astrovirus
- d) Adenovirus

Calicivirus Important Morphological feature:

- A) Double-Shelled With Wheel-Like Structure.
- B) Classical Icosahedron with fibers.
- C) Cup-Like depression on its surface.
- D) 5 or 6-Pointed Star on its surface.

What is the morphologic types of caliciviruses?

Norovirus symptoms include:

- 1. Vomiting and diarrhea.
- 2. Rash and congestion.
- 3. Blurred vision and difficulty swallowing.
- 4. B and C.

Where is the viral gastroenteritis distribution?

What are the symptoms of viral gastroenteritis?