

RS- Microbiology

Archive

Lecture 5

Viral Respiratory Tract
Infections A

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1. Zanamivir and oseltamivir belong to which drug family ?

- A) Protease inhibitors
- B) Nucleoside reverse transcriptase inhibitors
- C) Neuraminidase inhibitors
- D) Cap-dependent endonuclease inhibitors

Answer : C

2. What is the primary target of neutralizing antibodies in preventing influenza virus infection ?

- A) Hemagglutinin (HA)
- B) Neuraminidase (NA)
- C) Matrix protein (M1)
- D) Nucleocapsid protein (NP)

Answer : A

3. Antigen that are group specific :

- A) ribonucleoprotein
- B) HA
- C) NA

Answer : A

4. Type specific antigen of influenza virus is :

- A) Ribonucleoprotein
- B) HA only
- C) HA and NA
- D) M protein

Answer : C

5. What causes shift mutation in his genome ?

- A) Influenza A
- B) Paramyxovirus
- C) Adenovirus
- D) Rhinovirus

Answer : A

6. Antigenic shift, one is wrong ?

- A) It is seen in influenza A virus
- B) caused by minor point mutation
- C) Pre-existing antibodies do not protect fully against the shifted virus

Answer : B

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One is Lack proofreading mechanism of influenza virus that cause Antigenic Drift:

- RNA-dependent RNA polymerase (RdRp) ✓
- Hemagglutinin
- Neuraminidase

