

Microbiology

Archive

Lecture 14

Oncoviruses

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1) All of the following are true about oncovirus, except:

- A- RNA herpes virus
- B- Insertion of viral gene close to the protooncogene leads to activation
- C- Insertion of viral gene within the tumor suppressor gene leads to inactivation

Answer: A

2) All the following true regarding oncovirus, except:

- A- Rb is tumor-suppressor gene
- B- Insertion of viral gene within tumor suppressor gene lead to its inactivation
- C- Insertion of viral gene close to proto-oncogene lead to its activation
- E- Epstein-Barr virus cause Kaposi sarcoma

Answer: E

3) Causes cervical cancer :

- A. Papillomavirus type 16 & 18
- B. Papillomavirus type 11 & 17

Answer: A

4) Regarding viruses that play a role in human carcinogenesis, which one of the following statements is the most accurate?

- a. Epstein-Barr virus is implicated as the cause of nasopharyngeal Carcinoma. It is transmitted by mosquitoes
- b. Evidence for hepatitis C virus as a cause of hepatocellular carcinoma and a DNA genome found integrate into the DNA of hepatocytes
- C. Hepatitis B virus is implicated as the cause of hepatocellular carcinoma and a DNA genome found integrated into the DNA of hepatocytes
- d. The viral oncogenes contain introns
- e Human Papillomavirus type 6 and 11 is associated with cervical cancer

Answer: c