

HLS-Pharmacology

Archive

Lecture 7

anti-neoplastic drugs
(part 1)

Corrected by:

Rahaf Alshatarat

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1) Which of the following antineoplastic drugs has a cardiotoxic effect which limits its use?

- a. Doxorubicin
- b. Methotrexate
- c. Mitomycin C

Ans: a

2) True statements regarding alkylating agents include all the following EXCEPT? Select one:

- a. They are cell cycle nonspecific agents.
- b. Acquired resistance can occur.
- c. They add alkyl groups to DNA.
- d. They are structurally similar to naturally occurring substances.
- e. Nitrogen mustards are examples of this class of drugs.

Ans: d

3) False about methotrexate?

inhibit tetrahydrofolate reductase enzyme

it inhibits dihydrofolate reductase

4) Drug for ovarian cancer that causes hearing loss? مهم

cisplatin

5) Drug with pulmonary disease/toxicity as adverse effect? مهم

Bleomycin

6) Alkylating agent?

Cisplatin

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7) How do antimetabolites exert their cytotoxic effect?

- a. Inhibiting DNA synthesis by sliding between DNA base pairs.
- b. Inhibiting RNA synthesis by sliding between RNA base pairs.
- c. Acting as false metabolites in the microtubules.
- d. Acting as false substitutions in the production of nucleic acids.
- e. Promoting microtubule assembly and Stabilization.

Ans: d

8) Which of the following chemotherapy agents acts by intercalation?

- a. Vincristine.
- b. Paclitaxel.
- c. Doxorubicin.
- d. Vincristine and paclitaxel.
- e. Topotecan.

Ans: c

9. characteristics of imantinib include all of the following except?

- A. It prevents the phosphorylation of tyrosine on the substrate molecule
- B. It's administered orally and intravenously
- C. It's used for chronic myelogenous leukemia
- D. It belongs to class of tyrosine kinase inhibitors
- E. its a signal transduction inhibitor

Answer: B

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10. methotrexate is used for?

Rheumatoid arthritis and psoriasis

11- Which of the following anticancer drugs enhances polymerization of tubulin?

Answer: Paclitaxel

12- Regarding the treatment of megaloblastic anemia, which of the followings is incorrect?

Answer: Folinic acid (Leucovorin) is available as a spray and gel for intranasal use

13- Vascular endothelial growth factor:

Answer: Bevacizumab

14- Bind to tubular protein (meaning microtubules):

Answer: Vinblastin

