

1) Which is the most common and potentially serious complication following administration of antineoplastic drug?

- a) bone marrow depression b) GI disturbances
- c) immunosuppression d) teratogenicity

Ans.-bone marrow depression

2) Which drug is prototype of nitrogen mustard group?

- a) cyclophosphamide b) mechlorethamine
- c) melphalan d) chlorambucil

Ans.-mechlorethamine

3) ____ was the first nitrogen mustard to be used clinically for treatment of cancer?

- a) mechlorethamine b) cyclophosphamide
- c) melphalan d) chlorambucil

Ans.-mechlorethamine

4) Which is the most widely used vinca alkaloid in veterinary medicine?

- a) vinblastine b) vincristine
- c) vindesine d) vinorelbine

Ans.-vincristine

5) Which drug is obtained from plant *Cantharanthus rosea*(vinca rosea) ?

- a) vincristine b) gemcitabine
- c) floxuridine d) docetaxel

Ans.-vincristine

6) Which drug is used to treat certain cancers of the islet of langerhans(insulinoma)?

- a) semustine b) streptozotocin
- c) carmustine d) lomustine

Ans.-streptozotocin

7) Which drug is obtained from Streptomyces peucetius?

- a) vincristine b) actinomycin
- c) doxorubicin d) bleomycin

Ans.-doxorubicin

8) Mechlorethamine is which type of antineoplastic agent?

- a) alkalyting agent b) antimetabolites
- c) naturally occurring d) miscellaneous

Ans.-alkalyting agent

9) Which one of the following drug is cell cycle phase specific?

- a) vincristine b) lomustine
- c) chlorambucil d) doxorubicin

Ans.-vincristine

10) Which one of the following drug is cell cycle phase nonspecific?

- a) vincristine b) hydroxycarbamide
- c) chlorambucil d) methotrexate

Ans.-chlorambucil

11) What is used to determine the dosage of antineoplastic drugs?

- A) age
- b) weight in pounds
- c) body surface area
- d) weight in kg

Ans.-body surface area

12) Which of these is a unique side effect for cyclophosphamide?

- A) alopecia
- b) bone marrow suppression
- c) gastroenterocolitis
- d) haemorrhagic cystitis

Ans.-haemorrhagic cystitis

13) Dose of antineoplastic drug is expressed as _____

- A) metre
- b) metre square
- c) milligram
- d) microgram

Ans.-metre square

14) Which is the slowest acting & least toxic alkylating antineoplastic agent?

- A) cyclophosphamide
- b) melphalan
- c) chlorambucil
- d) busulfan

Ans.-chlorambucil

15) From following, which group of antineoplastic drug can not cross blood brain barrier(BBB)?

- A) nitrogen mustards
- b) alkyl sulphonates
- c) triazene
- d) nitrosoureas

Ans.-nitrogen mustards

16) Which group of antineoplastic agent is used in Hodgkin's disease?

- a) alkyl sulphonates
- b) nitrogen mustards
- c) aziridine
- d) vinca alkaloid

Ans.-nitrogen mustards

17) What is the dose of vincristine?

- A) 0.5 to 0.75 mg/m² I/V once weekly
- B) 0.5 to 0.75 mg/m² I/V twice weekly
- C) 0.25 to 0.50 mg/m² I/V once weekly
- d) 0.25 to 0.50 mg/m² I/V twice weekly

Ans.-0.5 to 0.75 mg/m² I/V once weekly

18) From following groups, which is not a mitotic inhibitors?

- a) vinca alkaloids
- b) taxanes
- c) aziridines
- d) epothilones

Ans.-aziridines

19) Which drug is obtained from Streptomyces verticillus?

- A) bleomycin
- B) mitomycin
- C) pileamycin
- d) actinomycin

Ans. bleomycin

20) From the following antineoplastic agents, which is a pyrimidine analogue?

- a) cisplatin
- b) fludarabin
- c) gemcitabine
- d) vincristine

Ans.-gemcitabine