

الشركة العامة لتسويق الادوية

والمستلزمات الطبية

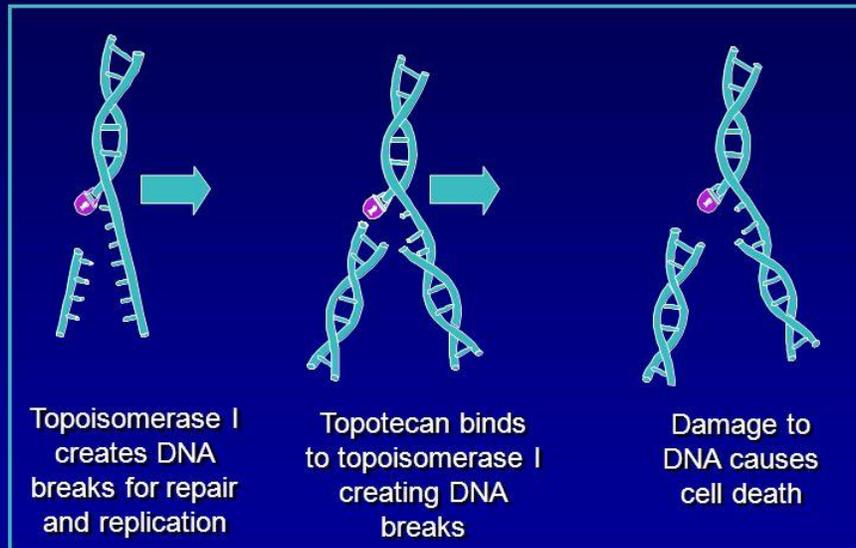
قسم العلاقات العامة

لجنة التعليم الطبي المستمر

الشعبة العلمية / 2016

Topotecan

Topotecan Mechanism of Action



What is topotecan?

Topotecan belongs to the general group of chemotherapy drugs known as topoisomerase inhibitors.

It is used to treat advanced cervical and ovarian cancers as well and small cell lung cancer that has continued to grow after first–line therapy.

Topotecan works by stopping the growth of cancer cells by preventing the development of elements necessary for cell division.

Dosage and administration:

Topotecan is given as an intravenous injection. The medicine must be given slowly through an IV infusion, and can take up to 30 minutes to complete.

Topotecan is usually given once daily for 5 days in a row. This treatment is then repeated every 21 days, usually for at least 4 treatments

Usual Adult Dose for Cervical Cancer:

0.75 mg/m² (2) IV over 30 minutes on days 1, 2, and 3 of each 21 day cycle

Usual Adult Dose for Small Cell Lung Cancer:

1.5 mg/m² (2) IV over 30 minutes once a day for 5 consecutive days, starting on day 1 of a 21 day course

Special precautions:

- 1- Severe bone marrow depression
- 2- Kidney disease (in this case the dose is adjusted and monitored)

Pregnancy and lactation:

This medication falls into the FDA pregnancy category D. This means that it can cause harm to an unborn baby.

It is not known whether topotecan passes into breast milk or if it could harm a nursing baby.

Side effects:

Allergic reactions that require emergent medical intervention:

- Hives
- difficulty breathing
- swelling of your face, lips, tongue, or throat

Other serious side effects:

fever, chills, body aches, or flu symptoms
pale skin, easy bruising or bleeding
unusual weakness
white patches or sores inside your mouth or on your lips
skin changes or severe irritation where the needle is placed

Other less serious side effects are more likely to occur, such as:

Bruising or swelling where the medicine was injected
tired feeling
headache, body pain, joint or muscle pain
mild skin rash
loss of appetite
nausea, vomiting, constipation, or stomach pain
temporary hair loss

Dosage Form and Strength:

4 mg (Topotecan free base) lyophilized powder in single use vial for reconstitution; light yellow to greenish powder.

Questions for (CME):

- 1- topotecan works by -----
- 2- Topotecan is safe to be administered during pregnancy (T , F)
- 3- The usual dose for ovarian cancer is -----
- 4- Some of the most common side effects are -----, -----
-----, -----, -----

- 5- Topotecan should be given in patients with liver disease with dose adjustment and monitoring (T , F)