MEDICINE INFORMATION

Topotecan

Information for patients and caregivers. Read this with your treatment calendar and the instructions from your oncology team.

At a glance

Treatment	Topotecan; Hycamtin and generic products
Used in selected settings	Ovarian, small-cell lung and selected cervical cancers
How it is given	Into a vein or, for selected relapsed small-cell lung cancers, as capsules. Intravenous treatment has additional uses. The two routes use different doses and instructions.
Before you start	Save your 24-hour oncology number and have a thermometer and written medicine calendar available.

What this treatment is and how it works

It blocks topoisomerase I, an enzyme cancer cells need to handle DNA (the genetic instructions inside cells) during division.

When it may be used

Topotecan may be used for ovarian cancer after previous treatment, small-cell lung cancer that has returned, or selected recurrent or advanced cervical cancers, usually with cisplatin in the cervical-cancer setting. In these settings, treatment generally aims to control the cancer and symptoms. Your team will explain why it is appropriate and what benefit to expect.

A listed use is not a claim that every brand is licensed for that use in every country. Your oncologist will explain why this treatment is appropriate for you.

Before treatment

Before starting, tell the team about previous cancer treatment, allergies, infection symptoms, heart, lung, kidney or liver disease, hearing or nerve problems, diabetes and all medicines you take. Discuss pregnancy, contraception and fertility. Ask for a written treatment calendar, supportive-medicine instructions and a 24-hour oncology contact number. Baseline blood tests usually include a full blood count and kidney and liver function; additional tests depend on the medicine and your health. Before chemotherapy that reaches the whole body, the team should check for current or past hepatitis B infection. If a test is positive, extra monitoring or antiviral treatment may be needed to prevent the virus becoming active again. The team will coordinate testing and treatment; do not delay urgent cancer treatment yourself.

How treatment is given and the schedule

Into a vein or, for selected relapsed small-cell lung cancers, as capsules. Intravenous treatment has additional uses. The two routes use different doses and instructions.

A common course is treatment on 5 consecutive days followed by a recovery period, repeating every 3 weeks. Other schedules and combinations are also used.

The dose is calculated for your treatment and health. Rest periods, delays or dose changes may be needed. Do not change doses or treatment dates yourself, except to follow specific instructions to stop a medicine and seek help for warning symptoms. The team will give you a revised plan when needed.

During an infusion, tell the nurse immediately about pain, burning, swelling or leaking around the cannula or line. Do not massage the area or apply heat or ice unless the team instructs you.

Tests and monitoring during treatment

Blood counts are checked closely because severe reductions can occur. Kidney function guides dosing. Bowel and breathing symptoms are reviewed.

At each review, describe symptoms since the previous dose, including problems that have already settled. Blood tests can detect effects before you feel them. Your team may delay, reduce, omit or stop a medicine if results or symptoms make this necessary. The decision depends on the exact protocol; a normal result does not make new symptoms safe to ignore.

Side effects: what to expect

Frequency varies with the dose, schedule, cancer and other treatments. “Common or more frequent” is a practical grouping, not a single percentage for every patient. Some serious effects appear in more than one group because severity and frequency are different.

You are unlikely to have all of these effects. This is not an exhaustive list. Tell the team about any new or troublesome symptom, including one not mentioned here.

Common or more frequent side effects

Practical care and when to ask for help

Possible effect	What you can do	When to contact the team
Low blood counts	White cells fight infection, red cells carry oxygen and platelets help clotting. Treatment can lower one or more of these. Wash hands, avoid close contact with people who are unwell and keep blood-test appointments.	Call immediately for fever, shaking chills or feeling suddenly unwell. Report unusual bruising, bleeding, marked tiredness or increasing breathlessness. Do not wait for a blood-test result before seeking help.

Possible effect	What you can do	When to contact the team
Feeling or being sick	Take preventive anti-sickness medicines at the prescribed times. Try small meals and frequent small drinks; avoid strong food smells if they worsen nausea.	Contact the team the same day if medicines are not controlling symptoms. Seek urgent advice if you cannot keep fluids down, feel faint or pass much less urine.
Loose or frequent stools	Keep a record of stools. Take frequent small drinks and use the diarrhoea medicine prescribed for your regimen. Oral rehydration solution may help if the team recommends it.	Contact the team promptly for diarrhoea that continues or increases. Fever, blood, severe pain, dizziness or difficulty drinking needs urgent assessment. Drug-specific stop instructions below take priority.
Sore mouth or throat	Use a soft toothbrush and the mouth-care plan from your team. Choose soft, moist foods and avoid alcohol-containing mouthwash or foods that sting.	Contact the team if pain affects eating or drinking, or if white patches or ulcers develop. Inability to swallow fluids, fever or severe pain needs urgent assessment.
Reduced appetite or changes in eating	Try smaller, frequent meals with protein and energy-rich foods you tolerate. Ask for a dietitian if your weight or intake is falling.	Report ongoing weight loss or difficulty eating. Inability to drink or signs of dehydration needs same-day urgent advice.
Tiredness and reduced stamina	Balance rest with short periods of gentle activity. Prioritise tasks and accept help with shopping, meals or transport. Tell the team about poor sleep or pain.	Report fatigue that prevents basic activities or is worsening. Sudden breathlessness, chest pain, fainting or confusion needs urgent assessment.
Hair thinning or hair loss	Use gentle hair care and protect the scalp from sun and cold. Ask early about wigs, head coverings and whether scalp cooling is suitable for your particular treatment.	Tell the team about a painful or inflamed scalp. Hair often regrows after treatment, but the timing, texture and completeness of regrowth vary.
Constipation	Keep a bowel record. Gentle movement, usual fluids and a prescribed laxative can help. Ask before using suppositories or enemas when blood counts may be low.	Contact the team for worsening constipation. A swollen or painful abdomen, vomiting or inability to pass wind needs urgent assessment; do not simply add laxatives.

Other reported side effects (frequency varies)

These effects may be common in some treatment settings, less common in others, or have no reliable frequency estimate. Their position here does not mean they are necessarily less frequent or less serious.

Liver-test changes and allergic reactions can occur. Diarrhoea can be more prominent with capsules.

Report these at review, or sooner if worsening. Use the urgent guidance for symptoms that affect breathing, drinking, urination, walking, consciousness or bleeding.

Important serious side effects, including rare effects

Serious does not always mean rare. Where reliable incidence is unavailable, no numerical frequency is assigned. The action to take matters even when the likelihood is uncertain.

Serious infection or sepsis

Low white cells can allow an infection to become life-threatening quickly. Fever, shaking chills, rapid breathing, confusion or sudden deterioration needs immediate help. Infection is possible even with a normal temperature.

Severe bowel inflammation or damage

Severe abdominal pain, a swollen abdomen, bloody diarrhoea, persistent vomiting or fever with bowel symptoms needs urgent assessment. Do not treat these symptoms simply by taking extra antidiarrhoeal medicine or laxatives.

Inflammation or injury in the lungs

A new cough, breathlessness, chest discomfort or falling exercise tolerance needs urgent oncology contact. Severe or rapidly worsening breathing difficulty is an emergency. Infection and other causes must also be considered.

Severe infusion or allergic reaction

Itching, flushing, wheeze, dizziness, throat tightness or facial swelling can start during an infusion or later. Tell the nurse immediately. Severe breathing difficulty, collapse or sudden face/throat swelling is an emergency.

When to seek urgent help

Follow your hospital’s temperature instructions. If you have not been given a threshold, contact the oncology team immediately for a temperature of 37.5°C (99.5°F) or above, below 36°C (96.8°F), shaking chills or feeling suddenly unwell. Do not wait for a fever if you are deteriorating. Check your temperature before taking a fever-reducing medicine when possible, but do not delay seeking help.

Emergency assessment now

Seek emergency medical help immediately for severe breathing difficulty, chest pain, collapse, a seizure, new confusion, sudden one-sided weakness, uncontrolled bleeding or swelling of the face or throat. Tell emergency staff that you are receiving cancer treatment and when the last dose was given. Do not drive yourself if seriously unwell.

Practical advice for this treatment

Report diarrhoea early, especially when taking capsules. Fever with abdominal pain or diarrhoea needs urgent assessment because bowel inflammation during low white-cell counts can be serious. Swallow capsules whole and follow product storage instructions.

Taking cancer medicines at home

Keep cancer tablets or capsules in their labelled packaging, away from children and pets. Do not share them or put them in a household pill organiser unless the oncology pharmacist agrees. Do not crush, open, split or dissolve them without product-specific pharmacy instructions. A caregiver who handles the medicine should follow the pharmacy's precautions. Return unused medicine to the pharmacy. If you miss a dose or vomit after one, do not take an extra dose; contact the team and follow the medicine-specific plan. If you accidentally take an extra dose or the wrong strength, contact the oncology team urgently even if you feel well. Do not try to make yourself vomit or work out a compensating dose yourself.

Medicines, interactions and vaccinations

Give the oncology pharmacist a complete list of prescription medicines, over-the-counter products, vitamins, herbal and Ayurvedic remedies and supplements. Ask before starting anything new. Do not stop prescribed medicines, including anticoagulants or infection-prevention medicines, without a coordinated plan. Live vaccines are generally unsuitable while immunity is suppressed; discuss vaccine type and timing with the team. Non-live vaccines may be offered, although protection can be reduced. Follow any specific stop-and-call instructions for the cancer medicine on this page or in your written treatment plan.

Some medicines affect transport of oral topotecan and can increase exposure. Other medicines affecting blood counts or kidneys need review.

Pregnancy, fertility and breastfeeding

Chemotherapy can harm a developing baby and may affect fertility temporarily or permanently. Discuss sperm, egg or embryo storage before treatment when feasible. If you could become pregnant, or your partner could become pregnant, use effective contraception during treatment and for the drug-specific period afterwards. Ask for a written end date based on every medicine in your plan: the required period differs by product and can extend for months. Periods stopping does not guarantee infertility. Tell the team immediately about a suspected pregnancy. Do not breastfeed during treatment; restart only after the team confirms the interval for the exact medicine and formulation.

Everyday life

Gentle activity, regular meals and rest can help you cope. Prepare food hygienically and drink according to your individual fluid plan. Avoid smoking; ask whether alcohol is safe with your exact treatment and other medicines. Plan work, travel and driving around symptoms and monitoring visits. Do not drive if dizzy, sleepy, weak, visually affected or impaired by neuropathy. You can usually be close to family and friends: chemotherapy does not make you radioactive. Follow the unit's instructions for handling urine, vomit, laundry and sexual precautions for the period it specifies.

When to contact the oncology team

Contact the oncology team the same day for persistent vomiting or diarrhoea, difficulty drinking, reduced urine, mouth pain affecting eating, new cough, jaundice, a painful or spreading rash, unusual bruising, worsening constipation or new nerve symptoms. Use the more urgent instructions for the particular symptom when given above. If the team cannot be reached and you are unwell, seek urgent medical care.

Write down your hospital's daytime and out-of-hours numbers before treatment. CTI's general contact details do not replace the emergency number provided by your treating hospital.

After treatment

Keep the planned blood tests and follow-up appointments after the last dose. Blood counts and immunity may take time to recover, and some effects can start or persist later. Contact the team about symptoms rather than waiting for a routine visit. Keep a treatment summary, including drug names, dates and any serious reactions, for future doctors. Response may be assessed with examination, scans or blood or marrow tests, depending on the cancer.

Frequently asked questions

Are capsules gentler than intravenous treatment?

Not necessarily. They can still cause severe low blood counts and diarrhoea and need the same careful monitoring.

Why are treatment days followed by a break?

The break allows healthy tissues and blood counts to recover, although tests still determine when the next course is safe.

Will I get every side effect listed?

No. Many people have only some of them. Your dose, other medicines, health and previous treatment all affect risk. Reporting symptoms early often makes them easier to manage.

Does having few side effects mean treatment is not working?

No. Side effects do not reliably show how well cancer treatment is working. The team assesses response using the appropriate tests.

Can a dose be reduced or delayed?

Yes. Blood counts, organ function or side effects may require a delay, reduction, omission or change. The team balances safety with the treatment aim; do not change doses yourself. Follow the specific instructions to stop a medicine and seek help if a warning symptom occurs.

Can I take vitamins, herbal or Ayurvedic products?

Check every product with the oncology pharmacist first. "Natural" does not mean interaction-free, and some products can affect the liver, bleeding or drug levels.

What should I have ready at home?

A thermometer, the 24-hour oncology number, a treatment calendar, your medicine list and prescribed symptom medicines. Arrange help with transport or meals if needed.

When should I call instead of waiting for the next appointment?

Use the urgent-help instructions on this page. Fever, sudden illness, uncontrolled symptoms or difficulty drinking should not wait until the next treatment visit.

Sources and further reading

Summary of Product Characteristics

Product-specific details vary by formulation and treatment protocol.

Professional reference resources. These describe the specific product, warnings, interactions, monitoring and adverse effects. For US substitutes, the document is prescribing information rather than an SmPC. Check the product actually dispensed in India.

- Hycamtin - EMA product information (includes SmPC). Accessed 16 October 2026. Original-brand information identified.

Other authoritative references

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- BC Cancer - Topotecan Monograph. Accessed 16 October 2026. Independent cross-check: USES; SPECIAL PRECAUTIONS; SIDE EFFECTS; INTERACTIONS; DOSAGE GUIDELINES.
- ASCO hepatitis B screening and management opinion. Accessed 16 October 2026. Independent cross-check: Provisional Clinical Opinion: universal three-test screening before or at systemic anticancer therapy; chronic/past infection management.