

# Ovarian advanced cARBOplatin and PACLitaxel three weekly

ID: 252 v.10 Endorsed Essential Medicine List

This protocol was published over 10 years ago and has been assessed by the reference committee as suitable to be reviewed as required. The review due date has been removed. If something in this protocol requires reference committee consideration, please click on the feedback button at the bottom of the page.

Read more about the as required review process in this [factsheet](#).

## ⚠ ADDIKD Carboplatin dosing:

For dosing carboplatin, ADDIKD recommends that:

- Directly measured glomerular filtration rate (mGFR) is the preferred kidney function value in the Calvert formula, especially where estimated kidney function may be unreliable for accurate therapeutic dosing.
- Where mGFR is unavailable, eGFR adjusted to an individual's body surface area (BSA-adjusted eGFR) is a suitable alternative for use in the Calvert formula.
- Kidney function should not be capped at 125 mL/min for use in the Calvert formula.
- Recalculation of carboplatin doses at each cycle is unnecessary, except when baseline kidney function (e.g., eGFR) alters by > 20% or when there is a change in the clinical status of the patient.

For further information refer to the [eviQ Factsheet](#) around carboplatin dosing and the carboplatin drug monograph within the ADDIKD guideline. To assist with calculations, use the [eviQ Estimated Glomerular Filtration Rate \(eGFR\)](#) and [carboplatin dose calculators](#).

Check for clinical trials in this patient group. Link to [Australian Clinical Trials](#) website

The anticancer drug(s) in this protocol may have been included in the ADDIKD guideline. Dose recommendations in kidney dysfunction have yet to be updated to align with the ADDIKD guideline. Recommendations will be updated once the individual protocol has been evaluated by the reference committee. For further information refer to the ADDIKD guideline. To assist with calculations, use the [eviQ Estimated Glomerular Filtration Rate \(eGFR\) calculator](#).

## International Consensus Guideline for Anticancer Drug Dosing in Kidney Dysfunction (ADDIKD)

2022

[Click here](#)



### Related pages:

- [Ovarian advanced cARBOplatin three weekly and PACLitaxel weekly](#)
- [Ovarian advanced primary cARBOplatin](#)
- [Ovarian advanced cARBOplatin and DOCETaxel](#)

## Treatment schedule - Overview

### Cycle 1 and further cycles

Drug	Dose	Route	Day
PACLitaxel	175 mg/m <sup>2</sup>	IV infusion	1
cARBOplatin	5 AUC *	IV infusion	1

\*Consider escalating to, or commencing carboplatin at a dose of 6 AUC in patients with good performance status.

\*If estimated GFR is greater than 125 mL/min (i.e. 5 AUC dose greater than 750 mg), obtaining direct measurement rather than an

estimated renal function and/or dose capping is strongly recommended

**Frequency:** 21 days

**Cycles:** Continuous until disease progression or unacceptable toxicity; usually 6 cycles

**Notes:**

- In ICON8 trial, weekly paclitaxel or weekly paclitaxel and carboplatin regimens were not superior to the three-weekly arm with no improvement in progression free survival.<sup>1</sup> As quality of life in the first 9 months was significantly better in the three-weekly group, routine use of weekly therapy is not recommended for general use.<sup>2</sup>  
Link to [Ovarian advanced cARBOplatin three weekly and PACLitaxel weekly](#) protocol
- The ICON3 trial suggested that single agent carboplatin may produce similar survival rates to combination carboplatin and paclitaxel but with reduced toxicity; this is worthy of consideration, particularly in elderly patients or those with poor performance status (or based upon patient preference).  
Link to [Ovarian advanced primary treatment cARBOplatin](#) protocol
- For patients with existing neuropathy or who are at risk of neuropathy, or patients with paclitaxel allergy, consider the carboplatin and docetaxel protocol.  
Link to [Ovarian advanced cARBOplatin and DOCEtaxel](#) protocol.

**Drug status:** All drugs in this protocol are on the [PBS general schedule](#)

**Cost:** ~ \$190 per cycle

## Treatment schedule - Detail

*The supportive therapies (e.g. antiemetics, premedications, etc.), infusion times, diluents, volumes and routes of administration, if included, are listed as defaults. They may vary between institutions and can be substituted to reflect individual institutional policy.*

*Antiemetics if included in the treatment schedule are based upon recommendations from national and international guidelines. These are **defaults only** and may be substituted to reflect individual institutional policy. [Select here for recommended doses of alternative antiemetics.](#)*

### Cycle 1 and further cycles

Day before chemotherapy		
Dexamethasone	20 mg (PO)	the night before chemotherapy with or after food
Day 1		
Netupitant	300 mg (PO)	60 minutes before chemotherapy (fixed dose preparation with palonosetron)
Palonosetron	0.5 mg (PO)	60 minutes before chemotherapy (fixed dose preparation with netupitant)
Dexamethasone	12 mg (PO)	60 minutes before chemotherapy
Loratadine	10 mg (PO)	60 minutes before chemotherapy
PACLitaxel	175 mg/m <sup>2</sup> (IV infusion)	in 500 mL sodium chloride 0.9% over 3 hours (in non-PVC containers only)
cARBOplatin	5 AUC (IV infusion)	in 500 mL glucose 5% over 30 to 60 minutes (note: if estimated GFR is greater than 125 mL/min (i.e. 5 AUC dose greater than 750 mg), obtaining direct measurement rather than an estimated renal function and/or dose capping is strongly recommended)
Day 2 and 3		
Dexamethasone	8 mg (PO)	ONCE a day (or in divided doses) with or after food. Note: dexamethasone doses on day 2 and 3 may not be required and may be reduced or omitted at the clinicians discretion *

- Consider escalating to, or commencing carboplatin at a dose of 6 AUC in patients with good performance status.

\* Link to [ID 7 Prevention of anti-cancer therapy induced nausea and vomiting](#)

**Frequency:** 21 days

**Cycles:** Continuous until disease progression or unacceptable toxicity; usually 6 cycles

## Indications and patient population

- Treatment of advanced ovarian, primary peritoneal or fallopian tube cancer.

## Clinical information

<b>Venous access required</b>	IV cannula (IVC) or central venous access device (CVAD) is required to administer this treatment. Read more about <a href="#">central venous access device line selection</a>
<b>Hypersensitivity/infusion related reaction</b>	High risk with paclitaxel High risk with carboplatin. Hypersensitivity risk increases with number of cycles of carboplatin. Rechallenge with carboplatin after hypersensitivity carries a high risk of anaphylaxis, and where clinically indicated, should be undertaken with a desensitisation protocol with appropriate supports in place. Refer to local institutional policy. Read more about <a href="#">Hypersensitivity reaction</a>
<b>Premedication</b>	The product information states that premedication is required for this treatment. Please refer to the treatment schedule for the suggested premedication regimen. This may be substituted to reflect institutional policy. Read more about <a href="#">premedication for prophylaxis of taxane hypersensitivity reactions</a>
<b>Emetogenicity MODERATE</b>	Suggested default antiemetics have been added to the treatment schedule, and may be substituted to reflect institutional policy. A combination of an NK1 receptor antagonist, 5HT3, and a steroid is available on the PBS for the prevention of nausea and vomiting associated with all moderate to highly emetogenic anti-cancer therapies. A steroid has been included both as an antiemetic and premedication for hypersensitivity in this protocol. Ensure that patients also have sufficient antiemetics for breakthrough emesis: Metoclopramide 10 mg three times a day when necessary (maximum of 30 mg/24 hours, up to 5 days) OR Prochlorperazine 10 mg PO every 6 hours when necessary. Read more about <a href="#">preventing anti-cancer therapy induced nausea and vomiting</a>
<b>Peripheral neuropathy</b>	Assess prior to each treatment. If a patient experiences grade 2 or greater peripheral neuropathy, a dose reduction, delay, or omission of treatment may be required; review by medical officer before commencing treatment. Read more about <a href="#">peripheral neuropathy</a> Link to <a href="#">chemotherapy-induced peripheral neuropathy screening tool</a>
<b>Growth factor support</b>	G-CSF (short or long-acting) is available on the PBS for chemotherapy induced neutropenia depending on clinical indication and/or febrile neutropenia risk. Access the <a href="#">PBS website</a>
<b>Blood tests</b>	FBC, EUC, eGFR, and LFTs at baseline and prior to each cycle. Calcium and magnesium at baseline and as clinically indicated. Recalculation of carboplatin doses at each cycle is unnecessary, except when baseline kidney function (e.g., eGFR) alters by greater than 20% or when there is a change in the clinical status of the patient.

<b>Hepatitis B screening and prophylaxis</b>	<p>Routine screening for HBsAg and anti-HBc is recommended prior to initiation of treatment. Prophylaxis should be determined according to individual institutional policy.</p> <p>Read more about <a href="#">hepatitis B screening and prophylaxis in cancer patients requiring cytotoxic and/or immunosuppressive therapy</a></p>
<b>Vaccinations</b>	<p>Live vaccines are contraindicated in cancer patients receiving immunosuppressive therapy and/or who have poorly controlled malignant disease.</p> <p>Refer to the recommended schedule of vaccination for immunocompromised patients, as outlined in the <a href="#">Australian Immunisation Handbook</a>.</p> <p>Read more about <a href="#">COVID-19 vaccines and cancer</a>.</p>
<b>Fertility, pregnancy and lactation</b>	<p>Cancer treatment can have harmful effects on fertility and this should be discussed with all patients of reproductive potential prior to commencing treatment. There is a risk of foetal harm in pregnant women. A pregnancy test should be considered prior to initiating treatment in females of reproductive potential if sexually active. It is important that all patients of reproductive potential use effective contraception whilst on therapy and after treatment finishes. Effective contraception methods and adequate contraception timeframe should be discussed with all patients of reproductive potential. Possibility of infant risk should be discussed with breastfeeding patients.</p> <p>Read more about the <a href="#">impact of cancer treatment on fertility</a></p>

## Dose modifications

*Evidence for dose modifications is limited, and the recommendations made on eviQ are intended as a guide only. They are generally conservative with an emphasis on safety. Any dose modification should be based on clinical judgement, and the individual patient's situation including but not limited to treatment intent (curative vs palliative), the anti-cancer regimen (single versus combination therapy versus chemotherapy versus immunotherapy), biology of the cancer (site, size, mutations, metastases), other treatment related side effects, additional co-morbidities, performance status and patient preferences. Suggested dose modifications are based on clinical trial findings, product information, published guidelines and reference committee consensus. The dose reduction applies to each individual dose and not to the total number of days or duration of treatment cycle unless stated otherwise. Non-haematological gradings are based on [Common Terminology Criteria for Adverse Events \(CTCAE\)](#) unless otherwise specified. Renal and hepatic dose modifications have been standardised where possible. For more information see dosing considerations & disclaimer.*

The dose recommendations in kidney dysfunction (i.e. renal impairment) displayed may not reflect those in the ADDIKD guideline and have been included for historical reference only. Recommendations will be updated once the individual protocol has been evaluated by the reference committee, with this version of the protocol then being archived. Clinicians are expected to refer to the ADDIKD guideline prior to prescribing in kidney dysfunction.

[International Consensus Guideline for Anticancer Drug Dosing in Kidney Dysfunction \(ADDIKD\)](#).

For dosing carboplatin, ADDIKD recommends that:

- Directly measured glomerular filtration rate (mGFR) is the preferred kidney function value in the Calvert formula, especially where estimated kidney function may be unreliable for accurate therapeutic dosing.
- Where mGFR is unavailable, eGFR adjusted to an individual's body surface area (BSA-adjusted eGFR) is a suitable alternative for use in the Calvert formula.
- Kidney function should not be capped at 125 mL/min for use in the Calvert formula.
- Recalculation of carboplatin doses at each cycle is unnecessary, except when baseline kidney function (e.g., eGFR) alters by > 20% or when there is a change in the clinical status of the patient.

For further information refer the [eviQ Factsheet](#) around carboplatin dosing and the carboplatin drug monograph within the ADDIKD guideline. To assist with calculations, use the eviQ [Estimated Glomerular Filtration Rate \(eGFR\)](#) and [carboplatin dose calculators](#).

**Note:** all dose reductions are calculated as a percentage of the starting dose.

Haematological toxicity	
ANC x 10 <sup>9</sup> /L (pre-treatment blood test)	
1.0 to less than 1.5*	Refer to local institutional guidelines; it is the view of the expert clinicians that treatment

Haematological toxicity	
	should continue if patient is clinically well.
0.5 to less than 1.0	Delay treatment until recovery
less than 0.5	Delay treatment until recovery and consider reducing paclitaxel and carboplatin by 25% for subsequent cycles
Febrile neutropenia	Delay treatment until recovery and consider reducing paclitaxel and carboplatin by 25% for subsequent cycles

Platelets x 10 <sup>9</sup> /L (pre-treatment blood test)	
75 to less than 100	The general recommendation is to delay, however if the patient is clinically well it may be appropriate to continue treatment; refer to treating team and/or local institutional guidelines.
50 to less than 75	Delay treatment until recovery
less than 50	Delay treatment until recovery and consider reducing paclitaxel and carboplatin by 25% for subsequent cycles

\* For heavily pre-treated patients or patients treated with palliative intent, consider delaying treatment if ANC is less than  $1.5 \times 10^9/L$ .

Renal impairment	
Recalculate carboplatin dose using Calvert formula	

Hepatic impairment	
Hepatic dysfunction	
Mild	Reduce paclitaxel by 25%
Moderate	Reduce paclitaxel by 50%
Severe	Omit paclitaxel

Peripheral neuropathy	
Grade 2 which is present at the start of the next cycle	Reduce paclitaxel by 25%; If persistent, reduce paclitaxel by 50%
Grade 3 or Grade 4	Omit paclitaxel

Mucositis and stomatitis	
Grade 2	Delay treatment until toxicity has resolved to Grade 1 or less and reduce doses for subsequent cycles as follows: 1 <sup>st</sup> occurrence: No dose reduction 2 <sup>nd</sup> occurrence: Reduce paclitaxel and carboplatin by 25% 3 <sup>rd</sup> occurrence: Reduce paclitaxel and carboplatin by 50% 4 <sup>th</sup> occurrence: Omit paclitaxel and carboplatin
Grade 3 or Grade 4	Delay treatment until toxicity has resolved to Grade 1 or less and reduce doses for subsequent cycles as follows: 1 <sup>st</sup> occurrence: Reduce paclitaxel and carboplatin by 50% 2 <sup>nd</sup> occurrence: Omit paclitaxel and carboplatin

## Interactions

The drug interactions shown below are not an exhaustive list. For a more comprehensive list and for detailed information on specific drug interactions and clinical management, please refer to the specific drug product information and the following key resources:

- [MIMS - interactions tab](#) (includes link to a CYP-450 table) (login required)
- [Australian Medicines Handbook \(AMH\) – interactions tab](#) (login required)

- [Micromedex Drug Interactions](#) (login required)
- [Cancer Drug Interactions](#)
- [Cytochrome P450 Drug Interactions](#)

For more information see [References & Disclaimer](#).

Carboplatin		
	Interaction	Clinical management
<b>Nephrotoxic drugs (e.g. aminoglycosides, amphotericin, contrast dye, frusemide, NSAIDs)</b>	Additive nephrotoxicity	Avoid combination or monitor kidney function closely
<b>Ototoxic drugs (e.g. aminoglycosides, frusemide, NSAIDs)</b>	Additive ototoxicity	Avoid combination or perform regular audiometric testing
<b>Paclitaxel</b>	Administration schedule may influence the development of myelosuppression	Minimise toxicity by administering paclitaxel first in regimens using the combination

Paclitaxel		
	Interaction	Clinical management
<b>CYP3A4 inhibitors (e.g. aprepitant, azole antifungals, clarithromycin, erythromycin, grapefruit juice, ritonavir etc.)</b>	Increased toxicity of paclitaxel possible due to reduced clearance	Monitor for paclitaxel toxicity
<b>CYP3A4 inducers (e.g. carbamazepine, phenytoin, phenobarbitone, rifampicin, St John's wort etc.)</b>	Reduced efficacy of paclitaxel possible due to increased clearance	Monitor for decreased clinical response to paclitaxel
<b>CYP2C8 inhibitors (e.g. pazopanib, lapatinib, gemfibrozil, montelukast etc.)</b>	Increased toxicity of paclitaxel possible due to reduced clearance	Monitor for paclitaxel toxicity
<b>Metronidazole, disulfiram</b>	Intolerance reaction to alcohol content of diluent of intravenous paclitaxel	Avoid combination
<b>Doxorubicin</b>	Administration schedule can influence systemic exposure to doxorubicin	Minimise by administering doxorubicin first in regimens using the combination
<b>Cisplatin</b>	Administration schedule may influence the development of myelosuppression	Minimise toxicity by administering paclitaxel first in regimens using the combination
<b>Infliximab</b>	Reduced paclitaxel concentrations possible due to increased clearance	Monitor for reduced efficacy of paclitaxel

NK-1 antagonist e.g. aprepitant, fosaprepitant, netupitant

	Interaction	Clinical management
<b>Dexamethasone</b>	Increased effects/toxicity of dexamethasone due to inhibition of its metabolism via CYP3A4	Reduce dose of <b>antiemetic dexamethasone</b> by approximately 50% when adding a NK-1 antagonist. For protocols that already recommend a NK-1 antagonist, the dose reduction of <b>antiemetic dexamethasone</b> has already been taken into account.  If <b>dexamethasone is part of the chemotherapy protocol</b> , dose reduction as per the product information is not routinely recommended in clinical practice and no additional dexamethasone is required for antiemetic cover.
<b>Warfarin</b>	Reduced anticoagulant efficacy of warfarin due to increased clearance (aprepitant induces CYP2C9). *Note interaction only applicable to aprepitant/ fosaprepitant	INR should be monitored in the 2 week period, particularly at 7 to 10 days following the administration of aprepitant/ fosaprepitant
<b>Combined oral contraceptive</b>	Reduced contraceptive efficacy due to increased clearance. *Note interaction only applicable to aprepitant/ fosaprepitant	Alternative non-hormonal methods should be used during and for 1 month after stopping aprepitant/ fosaprepitant
<b>CYP3A4 inducers (e.g. carbamazepine, phenytoin, phenobarbitone, rifampicin, St John's wort etc.)</b>	Reduced efficacy of NK-1 antagonist possible due to increased clearance	Avoid combination or monitor for decreased antiemetic effect. Consider using an alternative antiemetic regimen
<b>CYP3A4 inhibitors (e.g. azole antifungals, clarithromycin, erythromycin, grapefruit juice, ritonavir etc.)</b>	Increased toxicity of NK-1 antagonist possible due to reduced clearance	Avoid combination or monitor for increased adverse effects of NK-1 antagonist (e.g. headache, hiccups, constipation)
<b>Drugs metabolised by CYP3A4 (e.g. etoposide, imatinib, irinotecan, midazolam, paclitaxel, vinblastine, vincristine etc.)</b>	Increased effects/toxicity of these drugs possible due to inhibition of CYP3A4 by NK-1 antagonist	Avoid combination or monitor for increased toxicity especially with orally administered drugs

General		
	Interaction	Clinical management
<b>Warfarin</b>	Anti-cancer drugs may alter the anticoagulant effect of warfarin.	Monitor INR regularly and adjust warfarin dosage as appropriate; consider alternative anticoagulant.
<b>Direct oral anticoagulants (DOACs) e.g. apixaban, rivaroxaban, dabigatran</b>	Interaction with both CYP3A4 and P-gp inhibitors /inducers.  DOAC and anti-cancer drug levels may both be altered, possibly leading to loss of efficacy or toxicity (i.e. increased bleeding).	Apixaban: avoid concurrent use with strong CYP3A4 and P-gp inhibitors. If treating VTE, avoid use with strong CYP3A4 and P-gp inducers.  Rivaroxaban: avoid concurrent use with strong CYP3A4 and P-gp inhibitors.  Dabigatran: avoid combination with strong P-gp inducers and inhibitors.  If concurrent use is unavoidable, monitor closely for efficacy/toxicity of both drugs.
<b>Digoxin</b>	Anti-cancer drugs can damage the lining of the intestine; affecting the absorption of digoxin.	Monitor digoxin serum levels; adjust digoxin dosage as appropriate.
<b>Antiepileptics</b>	Both altered antiepileptic and anti-cancer drug levels may occur, possibly leading to loss of efficacy or toxicity.	Where concurrent use of an enzyme-inducing antiepileptic cannot be avoided, monitor antiepileptic serum levels for toxicity, as well as seizure frequency for efficacy; adjust dosage as appropriate. Also monitor closely for efficacy of the anti-cancer therapy.
<b>Antiplatelet agents and NSAIDs</b>	Increased risk of bleeding due to treatment related thrombocytopenia.	Avoid or minimise combination. If combination deemed essential, (e.g. low dose aspirin for ischaemic heart disease) monitor for signs of bleeding.
<b>Serotonergic drugs, including selective serotonin reuptake inhibitors (SSRIs e.g. paroxetine) and serotonin noradrenaline reuptake inhibitors (SNRIs e.g. venlafaxine)</b>	Increased risk of serotonin syndrome with concurrent use of 5-HT3 receptor antagonists (e.g. palonosetron, ondansetron, granisetron, tropisetron, dolasetron, etc.)	Avoid combination. If combination is clinically warranted, monitor for signs and symptoms of serotonin syndrome (e.g. confusion, agitation, tachycardia, hyperreflexia). For more information link to <a href="#">TGA Medicines Safety Update</a>
<b>Vaccines</b>	Diminished response to vaccines and increased risk of infection with live vaccines.	Live vaccines (e.g. BCG, MMR, zoster and varicella) are contraindicated in patients on immunosuppressive therapy. Use with caution in patients on non-immunosuppressive therapy. For more information; refer to the recommended schedule of vaccination for cancer patients, as outlined in the <a href="#">Australian Immunisation Handbook</a>

## Administration

*eviQ provides safe and effective instructions on how to administer cancer treatments. However, eviQ does not provide every treatment delivery option, and is unable to provide a comprehensive list of cancer treatment agents and their required IV line giving set/filter. There may be alternative methods of treatment administration, and alternative supportive treatments that are also appropriate. Please refer to the individual*



## Day 1

**Approximate treatment time: 5 hours**

Safe handling and waste management

Safe administration

General patient assessment prior to each day of treatment.

Peripheral neuropathy assessment tool

Any toxicity grade 2 or greater may require dose reduction, delay or omission of treatment and review by medical officer before commencing treatment.

Prime required IV lines with sodium chloride 0.9%:

- low sorbing IV giving set with 0.22 micron filter must be used for paclitaxel
- attach a second IV line via a luer lock connector as close as possible to the site of injection
  - this may be required in case of a hypersensitivity reaction.

Insert IV cannula or access TIVAD or CVAD.

### Pre treatment medication

Verify taxane premedication taken or administer as prescribed.

Verify antiemetics taken or administer as prescribed.

### 🕒 Chemotherapy - Time out

#### Paclitaxel

**Administer paclitaxel (irritant with vesicant properties):**

- via controlled IV infusion over 3 hours
- flush with ~ 100 mL of sodium chloride 0.9%
- observe for hypersensitivity reactions.

**Stop infusion at first sign of reaction:**

- if symptoms are mild and resolve when infusion is stopped, consider recommencing infusion after review by medical officer at a slower rate
- for severe reactions seek medical assistance immediately and do not restart infusion
- hypersensitivity reactions are more common during the first 2 cycles in the first 30 minutes.

#### Carboplatin

**Administer carboplatin (irritant):**

- via IV infusion over 30 to 60 minutes
- observe for hypersensitivity reactions
- flush with ~100 mL of sodium chloride 0.9%
- hypersensitivity risk increases with number of cycles administered.

**Stop infusion at first sign of reaction:**

- if symptoms are mild and resolve when infusion is stopped, consider recommencing infusion after review by medical officer at a slower rate
- for severe reactions seek medical assistance immediately and do not restart infusion.

Remove IV cannula and/or deaccess TIVAD or CVAD.

**Continue safe handling precautions until 7 days after completion of drug(s)**

## Discharge information

### Antiemetics

- Antiemetics as prescribed.

### Premedication

- Premedication for next cycle of chemotherapy.

### Patient information

- Ensure patient receives patient information sheet.

## Side effects

*The side effects listed below are not a complete list of all possible side effects for this treatment. Side effects are categorised into the approximate onset of presentation and should only be used as a guide.*

### Immediate (onset hours to days)

<b>Nausea and vomiting</b>	Read more about <a href="#">prevention of treatment induced nausea and vomiting</a>
<b>Taste and smell alteration</b>	Read more about <a href="#">taste and smell changes</a>
<b>Hypersensitivity reaction</b>	Anaphylaxis and infusion related reactions can occur with this treatment. Read more about <a href="#">hypersensitivity reaction</a> Read more about <a href="#">premedication for prophylaxis of taxane hypersensitivity reactions</a>

### Early (onset days to weeks)

<b>Neutropenia</b>	Abnormally low levels of neutrophils in the blood. This increases the risk of infection. Any fever or suspicion of infection should be investigated immediately and managed aggressively. Read more about <a href="#">immediate management of neutropenic fever</a>
<b>Thrombocytopenia</b>	A reduction in the normal levels of functional platelets, increasing the risk of abnormal bleeding. Read more about <a href="#">thrombocytopenia</a>
<b>Oral mucositis</b>	Erythematous and ulcerative lesions of the gastrointestinal tract (GIT). It commonly develops following chemotherapy, radiation therapy to the head, neck or oesophagus, and high dose chemotherapy followed by a blood and marrow transplant (BMT). Read more about <a href="#">oral mucositis</a>
<b>Peripheral neuropathy</b>	Typically symmetrical sensory neuropathy, affecting the fingers and toes, sometimes progressing to the hands and feet. It is associated with several classes of anti-cancer drugs. These include taxanes, platinum-based compounds, vinca alkaloids and some drugs used to treat multiple myeloma. Read more about <a href="#">peripheral neuropathy</a>
<b>Fatigue</b>	Read more about <a href="#">fatigue</a>
<b>Arthralgia and myalgia</b>	Generalised joint pain or and/or stiffness and muscle aches, often worse upon waking or after long periods of inactivity. Can improve with movement. May be mild or severe, intermittent or constant and accompanied by inflammation. Read more about <a href="#">arthralgia and myalgia</a>
<b>Diarrhoea</b>	Read more about <a href="#">treatment induced diarrhoea</a>

Late (onset weeks to months)	
<b>Anaemia</b>	Abnormally low levels of red blood cells (RBCs) or haemoglobin in the blood. Read more about <a href="#">anaemia</a>
<b>Nail changes</b>	Hyperpigmentation, paronychia, onycholysis, splinter haemorrhage, pyogenic granuloma formation, subungal haematoma and subungal hyperkeratosis are some of the nail changes associated with anti-cancer drugs. Read more about <a href="#">nail toxicities</a>
<b>Cognitive changes (chemo fog)</b>	Changes in cognition characterised by memory loss, forgetfulness and feeling vague. This is also referred to as 'chemo brain' or 'chemo fog'. Read more about <a href="#">cognitive changes (chemo fog)</a>
<b>Alopecia</b>	Hair loss may occur from all parts of the body. Patients can also experience mild to moderate discomfort of the hair follicles, and rarely pain as the hair is falling out. Read more about <a href="#">alopecia</a> and <a href="#">scalp cooling</a>

## Evidence

The use of platinum, either in combination with paclitaxel or given sequentially, is supported by the results of three phase III trials.<sup>3, 4, 5</sup> The current recommended chemotherapy regimen is a combination of carboplatin and paclitaxel.

The ICON3 trial<sup>6</sup> suggested that single-agent carboplatin may produce similar survival rates to combination paclitaxel and carboplatin, but with reduced toxicity. This is worthy of consideration, particularly in elderly patients and those with a poor performance status.

Read more about [Gynaecological cancer: A guide to clinical practice in NSW 2019 \(NSW Health\)](#)

### Efficacy

With a median follow-up of 51 months, 1265 patients had died, and survival curves showed no evidence of a difference in overall survival between paclitaxel plus carboplatin and control (hazard ratio 0.98, 95% CI, 0.87 to 1.10,  $p=0.74$ ). The median overall survival was 36.1 months with paclitaxel plus carboplatin and 35.4 months with the control (difference 0.7 months, 95% CI, -3.6 to 4.7). 1538 patients had progressive disease or died, and again, Kaplan-Meier curves showed no evidence of a difference between the groups (hazard ratio 0.93, 95% CI, 0.84 to 1.03,  $p=0.16$ ). Median progression-free survival was 17.3 months with paclitaxel plus carboplatin and 16.1 months with the control (difference 1.2 months, 95% CI, 0.5 to 2.8).<sup>6</sup>

### Toxicity

Moderate or severe toxic effects seen during treatment (grade 3 to 4 except where stated)

Toxicity <sup>6</sup>	Carboplatin as control		CAP as control	
	Carboplatin (%)	Paclitaxel plus carboplatin (%)	CAP (%)	Paclitaxel plus carboplatin (%)
<b>Alopecia</b>	4	73	76	80
<b>Nausea and vomiting</b>	9	9	23	10
<b>Haematological*</b>	32	25	33	29
<b>Fever requiring antibiotics*</b>	3	10	23	13
<b>Sensory neuropathy (grade 2/3)</b>	1	19	3	18
<b>Motor neuropathy*</b>	< 1	3	1	1
<b>Other**</b>	4	7	6	6

\*These data were collected by the non-Italian centres only

\*\*Including ototoxicity, renal toxicity, cardiac toxicity and stomatitis

## References

- 1 Clamp, A. R., E. C. James, I. A. McNeish, et al. 2019. "Weekly dose-dense chemotherapy in first-line epithelial ovarian, fallopian tube, or primary peritoneal carcinoma treatment (ICON8): primary progression free survival analysis results from a GCG phase 3 randomised controlled trial." *Lancet* 394(10214):2084-2095.
- 2 Blagden, S. P., A. D. Cook, C. Poole, et al. 2020. "Weekly platinum-based chemotherapy versus 3-weekly platinum-based chemotherapy for newly diagnosed ovarian cancer (ICON8): quality-of-life results of a phase 3, randomised, controlled trial." *Lancet Oncol* 21(7):969-977.
- 3 McGuire, W. P., W. J. Hoskins, et al. 1997. "Comparison of combination therapy with paclitaxel and cisplatin versus cyclophosphamide and cisplatin in patients with suboptimal stage III and stage IV ovarian cancer: a Gynecologic Oncology Group study." *Semin.Oncol.* 24(1 Suppl 2): S2-S2.
- 4 Piccart, M. J., K. Bertelsen, et al. 2000. "Randomized intergroup trial of cisplatin-paclitaxel versus cisplatin-cyclophosphamide in women with advanced epithelial ovarian cancer: three-year results." *J.Natl.Cancer Inst.* 92(9): 699-708.
- 5 Muggia, F. M., P. S. Braly, et al. 2000. "Phase III randomized study of cisplatin versus paclitaxel versus cisplatin and paclitaxel in patients with suboptimal stage III or IV ovarian cancer: a gynecologic oncology group study." *J.Clin Oncol.* 18(1): 106-115.
- 6 ICON3 2002. "Paclitaxel plus carboplatin versus standard chemotherapy with either single-agent carboplatin or cyclophosphamide, doxorubicin, and cisplatin in women with ovarian cancer: the ICON3 randomised trial." *Lancet* 360(9332): 505-15.

## Bibliography

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## History

### Version 10

Date	Summary of changes
15/02/2024	Protocol assessed by eviQ medical oncology reference committee and deemed suitable to be reviewed as required. Flag added, review date removed and version number increased to V.10. Read more about as required review protocol status in this <a href="#">factsheet</a> .

### Version 9

Date	Summary of changes
08/02/2023	As per reference committee consensus, removed: <ul style="list-style-type: none"> <li>• Ranitidine recall flag</li> <li>• Ranitidine from treatment schedule detail.</li> </ul> Version number increased to V.9.

### Version 8

Date	Summary of changes
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Date	Summary of changes
20/08/2021	Protocol reviewed electronically by Medical Oncology Reference Committee. Treatment schedule notes under cycles updated to include ICON8 trial data. General advice section in patient information updated to remove fertility and pregnancy/breastfeeding information. Version number change to V.8. Next review in 4 years.

### Version 7

Date	Summary of changes
08/10/2019	Clinical information updated with PBS expanded indications for GCSF.
17/04/2020	"Ranitidine recall" flag added.

### Version 6

Date	Summary of changes
05/09/2006	Full review version 2.
30/04/2007	Patient sheet updated.
12/11/2007	Independent evaluation discussed at reference committee meeting and accepted.
02/09/2009	Review, new dose modifications and transferred to eviQ.
02/07/2010	Haematological dose modifications updated ( 20% changed to 25% dose reduction; cut-off for platelets for dose reduction changed from $10 \times 10^9/L$ to $50 \times 10^9/L$ ).
17/02/2011	New format to allow for export of protocol information. Protocol version number changed to V.2. Antiemetics and premedications added to the treatment schedule. Additional Clinical Information, Key Prescribing table and Key Administration table combined into new section titled "Clinical Considerations". Drug specific information placed behind the drug name link.
28/03/2011	Nephrotoxicity side effect removed.
01/07/2011	Protocol reviewed at reference committee meeting 20/05/11. Indications updated to include "treatment of advanced ovarian, primary peritoneal or fallopian tube cancer". Link to ID 1016 carboplatin and weekly paclitaxel protocol added with a caveat stating that although weekly paclitaxel has been shown to be more effective than the three weekly regimen, further trials are still required to confirm these results. FAQ: Question on contraception removed as most patients would have had a hysterectomy or oophorectomy.
09/09/2011	Infusion fluid for carboplatin changed from sodium chloride 0.9% to glucose 5% because of longer stability.
21/10/2011	Drug interaction between carboplatin and paclitaxel removed. The literature suggests that there is no pharmacokinetic interaction between these drugs (Baker 1997)
27/02/2012	PHC OMIS view created.
18/04/2012	Palonosetron added as the preferred 5HT <sub>3</sub> antagonist for moderate emetogenicity.
03/05/2013	Reviewed by Medical Oncology Reference Committee. No changes review 2 years.
09/03/2015	Carboplatin dosing - for estimated GFR > 125 mL/min, note about measuring GFR and/or dose capping added.
24/06/2015	Reviewed electronically by Medical Oncology Reference Committee. No changes review 2 years.
01/09/2015	PHC view removed.
31/05/2017	Transferred to new eviQ website. Protocol version number changed to V.3  Protocol title updated: "three weekly" added.  Antiemetic change: A NK1 receptor antagonist and a 5HT <sub>3</sub> receptor antagonist in combination with dexamethasone has been added as available on the PBS for primary prophylaxis of carboplatin induced nausea and vomiting.
03/11/2017	Reviewed by Medical Oncology Reference Committee. No changes review 2 years.
10/05/2018	Haematological dose modifications updated as per consensus of the expert clinician group. Version number

Date	Summary of changes
	changed to V.4.
06/12/2018	Paclitaxel diluent changed from glucose 5% to sodium chloride 0.9%. Version change to V.5.
17/01/2019	Carboplatin AUC $\geq 4$ changed from highly to moderately emetogenic as per MASCC/ESMO and ASCO guidelines and medical oncology reference committee consensus. Dexamethasone day 4 dose removed. NK1 receptor antagonist unchanged. Treatment detail and clinical information updated to reflect the change. Version number changed to V.6
26/07/2019	Link to Agency for Clinical Innovation Gynaecological Cancer: A guide to clinical practice in NSW (June, 2019) in Evidence section updated.
30/08/2019	Protocol reviewed at Medical Oncology Reference Committee meeting. Nil changes. Review in 2 years.

The information contained in this protocol is based on the highest level of available evidence and consensus of the eviQ reference committee regarding their views of currently accepted approaches to treatment. Any clinician (medical oncologist, haematologist, radiation oncologist, medical physicist, radiation therapist, pharmacist or nurse) seeking to apply or consult this protocol is expected to use independent clinical judgement in the context of individual clinical circumstances to determine any patient's care or treatment. While eviQ endeavours to link to reliable sources that provide accurate information, eviQ and the Cancer Institute NSW do not endorse or accept responsibility for the accuracy, currency, reliability or correctness of the content of linked external information sources. Use is subject to eviQ's disclaimer available at [www.eviQ.org.au](http://www.eviQ.org.au)

**First approved:** 1 August 2005  
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***The currency of this information is guaranteed only up until the date of printing, for any updates please check:***

<https://www.eviq.org.au/p/252>

15 Mar 2024

ARCHIVED

# Patient information - Ovarian, fallopian tube or primary peritoneal cancer advanced - Carboplatin and paclitaxel three weekly

Patient's name:


## Your treatment

The treatment schedule below explains how the drugs for this treatment are given.

Carboplatin and paclitaxel			
This treatment cycle is repeated every 21 days. Your doctor will advise you of the number of treatments you will have.			
Day	Treatment	How it is given	How long it takes
1	<b>Paclitaxel</b> ( <i>pak-li-TAX-el</i> ) <b>Carboplatin</b> ( <i>carb-o-PLAT-in</i> )	By a drip into a vein	About 5 hours

## When to get help

Anticancer drugs (drugs used to treat cancer) can sometimes cause serious problems. It is important to get medical help immediately if you become unwell.

 <b>IMMEDIATELY go to your nearest hospital Emergency Department, or contact your doctor or nurse if you have any of the following at any time:</b>	<b>Emergency contact details</b> Ask your doctor or nurse from your treating team who to contact if you have a problem
	<b>Emergency contact details</b> Daytime:..... Night/weekend:..... Other instructions:..... ..... .....

**During your treatment immediately** tell the doctor or nurse looking after you if you get any of the following problems:

- leaking from the area where the drugs are being given
- pain, stinging, swelling or redness in the area where the drugs are being given or at any injection sites
- a skin rash, itching, feeling short of breath, wheezing, fever, shivers, or feeling dizzy or unwell in any way (allergic reaction).

## Other information about your treatment

### Changes to your dose or treatment delays

Sometimes a treatment may be started at a lower dose or the dose needs to be changed during treatment. There may also be

times when your treatment is delayed. This can happen if your doctor thinks you are likely to have severe side effects, if you get severe side effects, if your blood counts are affected and causing delays in treatment, or if you are finding it hard to cope with the treatment. This is called a dose reduction, dose change or treatment delay. Your doctor will explain if you need any changes or delays to your treatment and the reason why.

### Blood tests and monitoring

Anti-cancer drugs can reduce the number of blood cells in your body. You will need to have regular blood tests to check that your blood cell count has returned to normal. If your blood count is low, your treatment may be delayed until it has returned to normal. Your doctor or nurse will tell you when to have these blood tests.

### Other medications given during this treatment

- **Anti-sickness (anti-nausea) medication:** you may be given some anti-sickness medication. Make sure you take this medication as your doctor or nurse tells you, even if you don't feel sick. This can help to prevent the sickness starting.
- **Paclitaxel premedication:** before your treatment with paclitaxel you may need to take some tablets called a premedication to help prevent you from having a reaction to the paclitaxel. The following table may be used to remind you when to take your premedication. Ask your doctor, nurse or pharmacist to fill it out for you.

Tablet	Dose	When to take

Tell your doctor or nurse if you have not taken your premedications before you have your treatment.

## Side effects

Cancer treatments can cause damage to normal cells in your body, which can cause side effects. Everyone gets different side effects, and some people will have more problems than others.

The table below shows some of the side effects you may get with this treatment. You are unlikely to get all of those listed and you may also get some side effects that have not been listed.

Tell your doctor or nurse about any side effects that worry you. Follow the instructions below and those given to you by your doctor or nurse.



## Immediate (onset hours to days)

<b>Nausea and vomiting</b>	<ul style="list-style-type: none"><li>• You may feel sick (nausea) or be sick (vomit).</li><li>• Take your anti-sickness medication as directed even if you don't feel sick.</li><li>• Drink plenty of fluids (unless you are fluid restricted).</li><li>• Eat small meals more frequently.</li><li>• Try food that does not require much preparation.</li><li>• Try bland foods like dry biscuits or toast.</li><li>• Gentle exercise may help with nausea.</li><li>• Ask your doctor or nurse for eviQ patient information - <a href="#">Nausea and vomiting during cancer treatment</a>.</li><li>• <b>Tell your doctor or nurse immediately, or go to the nearest hospital Emergency Department if you have uncontrolled vomiting or feel dizzy or light-headed.</b></li></ul>
<b>Taste and smell changes</b>	<ul style="list-style-type: none"><li>• You may find that food loses its taste or tastes different.</li><li>• These changes are likely to go away with time.</li><li>• Do your mouth care regularly.</li><li>• Chew on sugar-free gum or eat sugar-free mints.</li><li>• Add flavour to your food with sauces and herbs.</li><li>• Ask your doctor or nurse for eviQ patient information - <a href="#">Taste and smell changes during cancer treatment</a>.</li></ul>
<b>Allergic reaction</b>	<ul style="list-style-type: none"><li>• Allergic reactions are uncommon but can be life threatening.</li><li>• <b>If you feel unwell during the infusion or shortly after it, or:</b><ul style="list-style-type: none"><li>◦ <b>get a fever, shivers or shakes</b></li><li>◦ <b>feel dizzy, faint, confused or anxious</b></li><li>◦ <b>start wheezing or have difficulty breathing</b></li><li>◦ <b>have a rash, itch or redness of the face</b></li></ul></li></ul> <p><b>While you are in hospital: Tell your doctor or nurse immediately.</b></p> <p><b>After you leave: Contact your doctor or nurse immediately, or go to the nearest hospital Emergency Department.</b></p>

## Early (onset days to weeks)

<b>Infection risk (neutropenia)</b>	<ul style="list-style-type: none"><li>• This treatment lowers the amount of white blood cells in your body. The type of white blood cells that help to fight infection are called neutrophils. Having low level of neutrophils is called neutropenia. If you have neutropenia, you are at greater risk of getting an infection. It also means that your body can't fight infections as well as usual. This is a serious side effect, and can be life threatening.</li><li>• Wash your hands often.</li><li>• Keep a thermometer at home and take your temperature regularly, and if you feel unwell.</li><li>• Do your mouth care regularly.</li><li>• Inspect your central line site (if you have one) daily for any redness, pus or swelling.</li><li>• Limit contact with people who are sick.</li><li>• Learn how to recognise the signs of infection.</li><li>• Ask your doctor or nurse for eviQ patient information - <a href="#">Infection during cancer treatment</a>.</li><li>• <b>Tell your doctor or nurse immediately, or go to the nearest hospital Emergency Department if you get any of the following signs or symptoms:</b><ul style="list-style-type: none"><li>◦ <b>a temperature of 38°C or higher</b></li><li>◦ <b>chills, shivers, sweats or shakes</b></li><li>◦ <b>a sore throat or cough</b></li><li>◦ <b>uncontrolled diarrhoea</b></li><li>◦ <b>shortness of breath</b></li><li>◦ <b>a fast heartbeat</b></li><li>◦ <b>become unwell even without a temperature.</b></li></ul></li></ul>
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<p><b>Low platelets (thrombocytopenia)</b></p>	<ul style="list-style-type: none"> <li>• This treatment lowers the amount of platelets in your blood. Platelets help your blood to clot. When they are low, you are at an increased risk of bleeding and bruising.</li> <li>• Try not to bruise or cut yourself.</li> <li>• Avoid contact sport or vigorous exercise.</li> <li>• Clear your nose by blowing gently.</li> <li>• Avoid constipation.</li> <li>• Brush your teeth with a soft toothbrush.</li> <li>• Don't take aspirin, ibuprofen or other similar anti-inflammatory medications unless your doctor tells you to.</li> <li>• Tell your doctor or nurse if you have any bruising or bleeding.</li> <li>• <b>Tell your doctor or nurse immediately, or go to your nearest hospital Emergency Department if you have any uncontrolled bleeding.</b></li> </ul>
<p><b>Mouth pain and soreness (mucositis)</b></p>	<ul style="list-style-type: none"> <li>• You may have: <ul style="list-style-type: none"> <li>◦ bleeding gums</li> <li>◦ mouth ulcers</li> <li>◦ a white coating on your tongue</li> <li>◦ pain in the mouth or throat</li> <li>◦ difficulty eating or swallowing.</li> </ul> </li> <li>• Avoid spicy, acidic or crunchy foods and very hot or cold food and drinks.</li> <li>• Try bland and soft foods.</li> <li>• Brush your teeth gently with a soft toothbrush after each meal and at bedtime. If you normally floss continue to do so.</li> <li>• Rinse your mouth after you eat and brush your teeth, using either: <ul style="list-style-type: none"> <li>◦ 1/4 teaspoon of salt in 1 cup of warm water, or</li> <li>◦ 1/4 teaspoon of bicarbonate of soda in 1 cup of warm water</li> </ul> </li> <li>• Ask your doctor or nurse for eviQ patient information - <a href="#">Mouth problems during cancer treatment</a>.</li> <li>• <b>Tell your doctor or nurse if you get any of the symptoms listed above.</b></li> </ul>
<p><b>Nerve damage (peripheral neuropathy)</b></p>	<ul style="list-style-type: none"> <li>• You may notice a change in the sensations in your hands and feet, including: <ul style="list-style-type: none"> <li>◦ tingling or pins and needles</li> <li>◦ numbness or loss of feeling</li> <li>◦ pain.</li> </ul> </li> <li>• You may find it difficult to do everyday activities, such as doing up buttons or picking up small objects.</li> <li>• Test water temperature with your elbow when bathing to avoid burns.</li> <li>• Use rubber gloves, pot holders and oven mitts in the kitchen.</li> <li>• Wear rubber shoes or boots when working in the garden or garage.</li> <li>• Keep rooms well lit and uncluttered.</li> <li>• Ask your doctor or nurse for eviQ patient information - <a href="#">Nerve problems during cancer treatment</a>.</li> <li>• Tell your doctor or nurse if you get any of the symptoms listed above.</li> </ul>
<p><b>Tiredness and lack of energy (fatigue)</b></p>	<ul style="list-style-type: none"> <li>• You may feel very tired, have no energy, sleep a lot, and not be able to do normal activities or things you enjoy.</li> <li>• Do not drive or operate machinery if you are feeling tired.</li> <li>• Nap for short periods (only 1 hour at a time)</li> <li>• Prioritise your tasks to ensure the best use of your energy.</li> <li>• Eat a well balanced diet and drink plenty of fluids (unless you are fluid restricted).</li> <li>• Try some gentle exercise daily.</li> <li>• Allow your friends and family to help.</li> <li>• <b>Tell your doctor or nurse if you get any of the symptoms listed above.</b></li> </ul>
<p><b>Joint and muscle pain and stiffness</b></p>	<ul style="list-style-type: none"> <li>• You may get muscle, joint or general body pain and stiffness.</li> <li>• Applying a heat pack to affected areas may help.</li> <li>• Talk to your doctor or nurse about other ways to manage these symptoms. You may need medication to help with any pain.</li> </ul>

<b>Diarrhoea</b>	<ul style="list-style-type: none"> <li>You may get bowel motions (stools, poo) that are more frequent or more liquid.</li> <li>You may also get bloating, cramping or pain.</li> <li>Take your anti-diarrhoeal medication as directed by your doctor.</li> <li>Drink plenty of fluids (unless you are fluid restricted).</li> <li>Eat and drink small amounts more often.</li> <li>Avoid spicy foods, dairy products, high fibre foods, and coffee.</li> <li>Ask your doctor or nurse for eviQ patient information - <a href="#">Diarrhoea during cancer treatment</a>.</li> <li><b>Tell your doctor or nurse immediately, or go to your nearest hospital Emergency Department if your diarrhoea is not controlled, you have 4 or more loose bowel motions per day, and if you feel dizzy or light-headed.</b></li> </ul>
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Late (onset weeks to months)	
<b>Low red blood cells (anaemia)</b>	<ul style="list-style-type: none"> <li>You may feel dizzy, light-headed, tired and appear more pale than usual.</li> <li>Tell your doctor or nurse if you have any of these signs or symptoms. You might need a blood transfusion.</li> <li><b>Tell your doctor or nurse immediately, or go to the nearest hospital Emergency Department if you have any chest pain, trouble breathing, or feel like your heart is racing.</b></li> </ul>
<b>Nail changes</b>	<ul style="list-style-type: none"> <li>Your nails may: <ul style="list-style-type: none"> <li>grow more slowly</li> <li>become darker</li> <li>develop ridges or white lines</li> <li>become brittle and flaky</li> </ul> </li> <li>In some cases, you may lose your nails completely.</li> <li>Keep your nails clean and short.</li> <li>Avoid things like biting your fingernails, getting a manicure, pedicure or false nails.</li> <li>Wear gloves when you wash the dishes, work in the garden, or clean the house.</li> </ul>
<b>Chemo brain (chemotherapy-related cognitive impairment)</b>	<ul style="list-style-type: none"> <li>You may notice that you are unable to concentrate, feel unusually disorganised or tired (lethargic) and have trouble with your memory.</li> <li>These symptoms usually improve once treatment is completed.</li> <li>Ask your doctor or nurse for eviQ patient information – <a href="#">Memory changes and chemotherapy (chemo brain)</a>.</li> <li>Tell your doctor or nurse if you get any of the symptoms listed above.</li> </ul>
<b>Hair loss (alopecia)</b>	<ul style="list-style-type: none"> <li>Your hair may start to fall out from your head and body.</li> <li>Hair loss usually starts 2 to 3 weeks after your first treatment.</li> <li>You may become completely bald and your scalp might feel tender.</li> <li>Use a gentle shampoo and a soft brush.</li> <li>Take care with hair products like hairspray, hair dye, bleaches and perms.</li> <li>Protect your scalp from the cold with a hat, scarf or wig.</li> <li>Protect your scalp from the sun with a hat or sunscreen of SPF 50 or higher.</li> <li>Moisturise your scalp to prevent itching.</li> <li>Ask your doctor or nurse about the <a href="#">Look Good Feel Better</a> program</li> </ul>

## General advice for people having cancer treatment

### Chemotherapy safety

- Learn how to keep you and your family safe while you are having anticancer drugs.
- See our patient information sheet - [Chemotherapy safety at home](#).

### Blood clot risk

- Cancer and anticancer drugs can increase the risk of a blood clot (thrombosis).
- Tell your doctor if you have a family history of blood clots.
- A blood clot can cause pain, redness, swelling in your arms or legs, shortness of breath or chest pain.

- If you have any of these symptoms go to your nearest hospital Emergency Department.

### Medications and vaccinations

- Before you start treatment, tell your doctor about any medications you are taking, including vitamins or herbal supplements.
- Don't stop or start any medications during treatment without talking to your doctor and pharmacist first.
- Paracetamol is safe to take if you have a headache or other mild aches and pains. It is recommended that you avoid taking aspirin, ibuprofen and other anti-inflammatory type medications for pain while you are having treatment. However, if these medications have been prescribed by your doctor, do not stop taking them without speaking with your doctor.
- Vaccinations such as flu and tetanus vaccines are safe to receive while having treatment. Do not have any live vaccines during your treatment or for 6 months after it finishes. If you are unsure, check with your doctor before you have any vaccinations.
- People you live with should be fully vaccinated, including having live vaccines according to the current vaccination schedule. Extra care needs to be taken with hand washing and careful disposal of soiled nappies for infants who have recently received the rotavirus vaccine.

### Other medical and dental treatment

- If you go to hospital or any other medical appointment (including dental appointments), always tell the person treating you that you are receiving anticancer drugs.
- Before you have any dental treatment, talk to your doctor.

### Diet

- While you are receiving this treatment it is important that you try to maintain a healthy diet.
- Grapefruit and grapefruit juice can interact with your medication and should be avoided while you are on this treatment.
- Speak to your doctor or nurse about whether drinking alcohol is safe with your treatment.
- If you have any concerns about recent weight loss or weight gain or questions about your diet, ask to speak to a dietitian.

### Sex life and sexuality

- The desire to have sex may decrease as a result of this treatment or its side effects.
- Your emotions and the way you feel about yourself may also be affected by this treatment.
- It may help to discuss your concerns with your partner and doctor or nurse.

### Quitting smoking

- It is never too late to quit smoking. Quitting smoking is one of the best things you can do to help your treatment work better.
- There are many effective tools to improve your chances of quitting.
- Talk to your treating team for more information and referral to a smoking cessation support service.

### Staying active

- Research shows that exercise, no matter how small, has many benefits for people during and after cancer treatment.
- Talk to your doctor before starting an exercise program. Your doctor can advise whether you need a modified exercise program.

For more information about cancer treatment, side effects and side effect management see our [Patient and carers](#) section.

## Where to get more information

### Telephone support

- Call Cancer Council on 13 11 20 for cancer information and support

### Ovarian cancer information

- Ovarian Cancer Australia – [ovariancancer.net.au](http://ovariancancer.net.au)
- Counterpart – [counterpart.org.au](http://counterpart.org.au)
- Cancer Council Australia - Understanding Ovarian Cancer – [cancer.org.au/assets/pdf/understanding-ovarian-cancer-booklet](http://cancer.org.au/assets/pdf/understanding-ovarian-cancer-booklet)

### General cancer information and support

- Australian Rare Cancer (ARC) Portal – [arcportal.org.au/](http://arcportal.org.au/)
- Beyond Blue – [beyondblue.org.au](http://beyondblue.org.au)
- Cancer Australia – [canceraustralia.gov.au](http://canceraustralia.gov.au)

