

Regimen Reference Order – PACLitaxel desensitization

PACLitaxel desensitization protocol is prescribed in combination with a PACLitaxel-based protocol

To order this therapy in ARIA, refer to ADDITIONAL INFORMATION

Planned Course: Refer to prescribed PACLitaxel-based protocol

Indication for Use: Eligible patients with previous hypersensitivity reactions to PACLitaxel

Alert: Desensitization protocol

PACLitaxel:

- *PACLitaxel is prepared in 3 separate bags with a total volume of 250 mL in each bag*
- *IV tubing is primed with PACLitaxel (Cytotoxic)*
- *PACLitaxel is administered slowly following specified rate increases. PACLitaxel infusion takes approximately 5.75 hours to complete*

CVAD: At Provider's Discretion

Blood work requirements:

- ❖ *Refer to prescribed PACLitaxel-based protocol*

SEQUENCE OF MEDICATION ADMINISTRATION

Pre-treatment Requirements

Drug	Dose	CCMB Administration Guideline
<i>Refer to prescribed PACLitaxel-based protocol</i>		

Treatment Regimen – PACLitaxel desensitization

Establish primary solution 500 mL of: normal saline

Drug	Dose	CCMB Administration Guideline
Administration of PACLitaxel by desensitization is used in place of PACLitaxel by standard administration in the prescribed protocol. Follow the sequence of drug administration of the prescribed PACLitaxel-based protocol		
famotidine	40 mg	Orally 1 hour prior to PACLitaxel
montelukast	10 mg	Orally 1 hour prior to PACLitaxel
cetirizine	20 mg	Orally 1 hour prior to PACLitaxel
dexamethasone	20 mg	IV in normal saline 50 mL over 15 minutes 1 hour prior to PACLitaxel <i>*Nursing Alert: PACLitaxel starts 1 hour after completion of dexamethasone infusion</i>

Wait 1 hour after completion of IV pre-medication(s) before starting PACLitaxel

PACLitaxel	1/100 th (1%) of dose (BAG 1)	<p>IV in normal saline 250 mL following the administration rates below:</p> <p>Step 1: 2.5 mL/hour for 15 minutes, then</p> <p>Step 2: 5 mL/hour for 15 minutes, then</p> <p>Step 3: 10 mL/hour for 15 minutes, then</p> <p>Step 4: 20 mL/hour for 15 minutes</p> <p>Once step 4 is complete, discard remainder of bag and proceed immediately to BAG 2</p> <p><i>Use non-DEHP bags and non-DEHP administration sets with 0.2 or 0.22 micron filter</i></p> <p><i>*Alert: Pharmacy to ensure final volume in bag = 250 mL</i></p> <p><i>*Nursing Alert: IV tubing is primed with PACLitaxel</i></p> <p><i>*Nursing Alert: Gently invert bag 8 to 10 times immediately prior to administration of PACLitaxel to evenly distribute the drug</i></p>
	1/10 th (10%) of dose (BAG 2)	<p>IV in normal saline 250 mL following the administration rates below:</p> <p>Step 5: 5 mL/hour for 15 minutes, then</p> <p>Step 6: 10 mL/hour for 15 minutes, then</p> <p>Step 7: 20 mL/hour for 15 minutes, then</p> <p>Step 8: 40 mL/hour for 15 minutes</p> <p>Once step 8 is complete, discard remainder of bag and proceed immediately to BAG 3</p> <p><i>Use non-DEHP bags and non-DEHP administration sets with 0.2 or 0.22 micron filter</i></p> <p><i>*Alert: Pharmacy to ensure final volume in bag = 250 mL</i></p> <p><i>*Nursing Alert: IV tubing is primed with PACLitaxel</i></p> <p><i>*Nursing Alert: Gently invert bag 8 to 10 times immediately prior to administration of PACLitaxel to evenly distribute the drug</i></p>
	99.2% of dose (BAG 3)	<p>IV in normal saline 250 mL following the administration rates below:</p> <p>Step 9: 10 mL/hour for 15 minutes, then</p> <p>Step 10: 20 mL/hour for 15 minutes, then</p> <p>Step 11: 40 mL/hour for 15 minutes, then</p> <p>Step 12: 80 mL/hour until infusion is complete</p> <p><i>Use non-DEHP bags and non-DEHP administration sets with 0.2 or 0.22 micron filter</i></p> <p><i>*Alert: Pharmacy to ensure final volume in bag = 250 mL</i></p> <p><i>*Nursing Alert: IV tubing is primed with PACLitaxel</i></p> <p><i>*Nursing Alert: Gently invert bag 8 to 10 times immediately prior to administration of PACLitaxel to evenly distribute the drug</i></p>

In the event of an infusion-related hypersensitivity reaction, refer to the ‘Hypersensitivity Reaction Standing Order’

REQUIRED MONITORING

All Cycles

- Full vital signs (temperature, heart rate, respiratory rate, blood pressure and O₂ saturation) at baseline and as clinically indicated
- No observation period is required after PACLitaxel administration. Patient can be discharged from treatment room if stable whether they had a reaction or not
- Refer to the prescribed PACLitaxel-based protocol for additional monitoring

Recommended Support Medications

Drug	Dose	CCMB Administration Guideline
<i>Refer to prescribed PACLitaxel-based protocol</i>		

DISCHARGE INSTRUCTIONS

- Patients should be instructed to contact their cancer team immediately if symptoms of hypersensitivity reactions occur after discharge
- Refer to the prescribed PACLitaxel-based protocol for additional discharge instructions
- Reinforce applicable safe handling precautions of medications, blood and body fluids for 48 hours after completion of chemotherapy

ADDITIONAL INFORMATION

- Oncologist must write first prescription of PACLitaxel desensitization protocol
- Once the patient requires PACLitaxel desensitization protocol, all subsequent PACLitaxel doses must be given using PACLitaxel desensitization protocol
- Refer to the prescribed PACLitaxel-based protocol for additional PACLitaxel information
- **ARIA ordering:** Support protocols are available under **PACLitaxel 80 mg/m²** and **PACLitaxel 175 mg/m²** in the “Desensitization” folder
- Due to the duration of treatment, administration site restrictions may be in place for PACLitaxel desensitization