

Regimen Reference Order – SARC – gemcitabine + DOCetaxel

ARIA: SARC – [gemcitabine + DOCetaxel]

Planned Course: Every 21 days for 6 cycles

Indication for Use: Soft Tissue Sarcoma

CVAD: At Provider’s Discretion

Proceed with treatment if:

ANC equal to or greater than $1.5 \times 10^9/L$ AND Platelets equal to or greater than $100 \times 10^9/L$

❖ Contact Physician if parameters not met

SEQUENCE OF MEDICATION ADMINISTRATION

Pre-treatment Requirements

Drug	Dose	CCMB Administration Guideline
Day 1		
Not Applicable		
Day 8		
dexamethasone	8 mg	Orally twice a day the day before DOCetaxel treatment and one dose the morning of DOCetaxel treatment (Self-administered at home) <i>*Nursing Alert: Notify physician if patient has not taken dexamethasone. dexamethasone is prescribed to prevent infusion reactions</i>

Treatment Regimen – SARC – gemcitabine + DOCetaxel

Establish primary solution 500 mL of: normal saline

Drug	Dose	CCMB Administration Guideline
Day 1		
dexamethasone	8 mg	Orally 30 minutes pre-chemotherapy
gemcitabine	900 mg/m ²	IV in normal saline 250 mL over 90 minutes
Day 8		
metoclopramide	20 mg	Orally 30 minutes pre-chemotherapy
gemcitabine	900 mg/m ²	IV in normal saline 250 mL over 90 minutes
DOCetaxel	100 mg/m ²	IV in normal saline 250 mL over 1 hour, following the administration rates below: <ul style="list-style-type: none"> Administer at 100 mL/hour for 15 minutes, then Administer remaining volume over 45 minutes Use non-DEHP bags and non-DEHP administration sets OR

		<p>For 500 mL bags (when Pharmacy must prepare DOCETaxel in 500 mL normal saline for concentration-dependent stability): IV in normal saline 500 mL over 1 hour, following the administration rates below:</p> <ul style="list-style-type: none"> • Administer at 200 mL/hour for 15 minutes, then • Administer remaining volume over 45 minutes <p><i>Use non-DEHP bags and non-DEHP administration sets</i></p>
normal saline	100 mL	<p>ONLY for patients with a PORT IV over 12 minutes</p> <p><i>*Nursing Alert: This volume is to be administered after standard flush</i></p>

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

REQUIRED MONITORING

All Cycles

Day 1

- CBC, serum creatinine and liver enzymes as per Physician Orders

Day 8

- CBC

Day 8 Only

- 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 DOCETaxel administration. Patient can be discharged from treatment room if stable whether they had a reaction or not

Recommended Support Medications

Drug	Dose	CCMB Administration Guideline
metoclopramide	10 – 20 mg	Orally every 4 hours as needed for nausea and vomiting

DISCHARGE INSTRUCTIONS

- Patients should be instructed to contact their cancer team immediately if symptoms of hypersensitivity reactions occur after discharge
- Instruct patient to continue taking anti-emetic(s) at home
- Reinforce applicable safe handling precautions of medications, blood and body fluids for 48 hours after completion of chemotherapy

ADDITIONAL INFORMATION

- Not applicable