

Regimen Reference Order – GENU – gemcitabine + CISplatin (Split dose)

ARIA: GENU - [gem + CIS (Split Dose) (ADJ)]

GENU - [gem + CIS (Split Dose) (MET)]

Planned Course: Neo-Adjuvant and Adjuvant:
Every 21 days for 4 cycles
OR
Metastatic:
Every 21 days for 6 cycles

Indication for Use: Urothelial Cancer

CVAD: At Provider’s Discretion

Proceed with treatment if:

Day 1

- ANC equal to or greater than $1.5 \times 10^9/L$ AND Platelets equal to or greater than $100 \times 10^9/L$
- Creatinine clearance greater than 45 mL/minute
 - ❖ Contact Physician if parameters are not met

Day 8

- ANC equal to or greater than $1 \times 10^9/L$ AND Platelets equal to or greater than $75 \times 10^9/L$
- Creatinine clearance greater than 45 mL/minute
 - ❖ **OMIT DAY 8 OF CURRENT CYCLE IF CBC PARAMETERS ARE NOT MET**

Note: Consult with Genitourinary Medical Oncologist for direction on dose reduction(s) prior to patient’s next scheduled cycle if Day 8 is omitted

SEQUENCE OF MEDICATION ADMINISTRATION

Pre-treatment Requirements

Drug	Dose	CCMB Administration Guideline
Not Applicable		

Treatment Regimen – GENU – gemcitabine + CISplatin (Split dose)

Establish primary solution 500 mL of: normal saline

Drug	Dose	CCMB Administration Guideline
Days 1 and 8		
magnesium sulfate	1 g	IV in normal saline in 500 mL over 1 hour (Pre hydration)
aprepitant	125 mg	Orally 1 hour pre-chemotherapy
ondansetron	16 mg	Orally 30 minutes pre-chemotherapy
dexamethasone	12 mg	Orally 30 minutes pre-chemotherapy

OLANzapine	2.5 mg	Orally 30 minutes pre-chemotherapy
gemcitabine	1250 mg/m ²	IV in normal saline 250 mL over 30 minutes
CISplatin	35 mg/m ²	IV in normal saline 500 mL over 1 hour
normal saline	500 mL	IV over 1 hour (Post hydration)

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, urea, liver enzymes, total bilirubin, electrolytes as per Physician Orders
- Baseline blood pressure prior to magnesium infusion and repeat 15 minutes after start of magnesium infusion

Day 8

- CBC, serum creatinine, urea and electrolytes as per Physician Orders
- Baseline blood pressure prior to magnesium infusion and repeat 15 minutes after start of magnesium infusion

Recommended Support Medications

Drug	Dose	CCMB Administration Guideline
aprepitant	80 mg	Orally once daily on Days 2, 3, 9 and 10
dexamethasone	8 mg	Orally once daily on Days 2, 3, 4, 9, 10 and 11
OLANzapine	2.5 mg	Orally the evening of Days 1 and 8 then twice daily on Days 2, 3, 4, 9, 10 and 11. Also use OLANzapine 2.5 to 5 mg AS NEEDED for breakthrough nausea and vomiting (including Days 1 to 4 and 8 to 11) up to a maximum of 10 mg per day. Contact clinic if nausea/vomiting is not adequately controlled

DISCHARGE INSTRUCTIONS

- Instruct patient to continue taking anti-emetic(s) at home
- Instruct patient to notify clinic if having significant diarrhea or vomiting
- Reinforce applicable safe handling precautions of medications, blood and body fluids for 48 hours after completion of chemotherapy

ADDITIONAL INFORMATION

- CISplatin is ototoxic and nephrotoxic
- CISplatin can cause hypomagnesemia