

Regimen Reference Order - MULTI – CISplatin + etoposide

ARIA: MULTI - [CISplatin + etoposide]

Planned Course: Every 21 days for 4 to 6 cycles

Indication for Use: Small Cell Carcinoma

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 $100 \times 10^9/L$**
- **Creatinine clearance greater than 45 mL/minute**
- ❖ **Contact Physician if parameters not met**

SEQUENCE OF MEDICATION ADMINISTRATION

Pre-treatment Requirements

Drug	Dose	CCMB Administration Guideline
Instruct patient to start vigorous oral pre-hydration (600-900 mL) the morning of CISplatin treatment (Self-administered at home)		

Treatment Regimen – MULTI – CISplatin + etoposide

Establish primary solution 500 mL of: normal saline		
Drug	Dose	CCMB Administration Guideline
Day 1		
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
CISplatin	25 mg/m ²	IV in normal saline 250 mL over 1 hour
etoposide	100 mg/m ²	IV in normal saline 500 mL over 1 hour <i>Use non-DEHP bags and non-DEHP administration sets</i>
Days 2 and 3		
aprepitant	80 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
CISplatin	25 mg/m ²	IV in normal saline 250 mL over 1 hour
etoposide	100 mg/m ²	IV in normal saline 500 mL over 1 hour <i>Use non-DEHP bags and non-DEHP administration sets</i>

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

REQUIRED MONITORING

All Cycles

- CBC, serum creatinine, urea, electrolytes, liver enzymes, total bilirubin and albumin as per Physician Orders

Recommended Support Medications

Drug	Dose	CCMB Administration Guideline
aprepitant	80 mg	Orally once daily on Days 4 and 5
dexamethasone	8 mg	Orally once daily on Days 4 and 5
OLANzapine	2.5 mg	Orally the evening of Days 1, 2 and 3 then twice daily on Days 4 and 5. Also use OLANzapine 2.5 to 5 mg AS NEEDED for breakthrough nausea and vomiting (including Days 1 to 5) 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
- Maintain oral intake of 2000 mL (8 glasses) of fluid daily at home
- Reinforce applicable safe handling precautions of medications, blood and body fluids for 48 hours after completion of chemotherapy

ADDITIONAL INFORMATION

- Patients with limited stage disease (Stages I-III) typically receive 4 cycles of treatment, while patients with extensive stage disease (Stage IV) may receive 4 to 6 cycles
- ARIA regimen is built as 4 cycles. Treatment may be extended to 6 cycles for some patients at the discretion of the oncologist
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- CISplatin is ototoxic and nephrotoxic
- CISplatin can cause hypomagnesemia