

Regimen Reference Order

CNS – CISplatin + lomustine + vinCRISTine (CLV)

ARIA: CNS - [CLV]

Planned Course: Every 42 days for 8 cycles

Indication for Use: Medulloblastoma

CVAD: Preferred (VESICANT INVOLVED)

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 equal to or greater than 45 mL/minute**

Days 8 and 15

- **Blood work at provider's discretion**
- ❖ **Contact Physician if parameters not met**

SEQUENCE OF MEDICATION ADMINISTRATION

Pre-treatment Requirements

Drug	Dose	CCMB Administration Guideline
Not Applicable		

Treatment Regimen – CNS – CISplatin + lomustine + vinCRISTine (CLV)

Establish primary solution 500 mL of: normal saline

Drug	Dose	CCMB Administration Guideline
Day 1		
magnesium sulfate	2 g	IV in normal saline 1000 mL over 2 hours (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
lomustine	75 mg/m ²	Orally to be administered immediately prior to CISplatin (Supplied by patient)
CISplatin	75 mg/m ²	IV in normal saline 500 mL over 1 hour <i>*Alert: CISplatin infusion must be complete prior to mannitol administration</i>
mannitol	12.5 g	IV in normal saline 1000 mL over 2 hours (Post hydration)
vinCRISTine	2 mg	IV in normal saline 25 mL over 2 to 3 minutes by gravity infusion

Days 8 and 15		
vinCRISStine	2 mg	IV in normal saline 25 mL over 2 to 3 minutes by gravity infusion
lomustine (CEENU®) available dosage strengths: 10 mg and 40 mg capsules Classification: Cytotoxic, Hazardous		

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

REQUIRED MONITORING

Day 1

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

Days 8 and 15

- No blood work required

Recommended Support Medications

Drug	Dose	CCMB Administration Guideline
aprepitant	80 mg	Orally once daily on Days 2 and 3
dexamethasone	8 mg	Orally once daily on Days 2, 3 and 4
OLANzapine	2.5 mg	Orally the evening of Day 1 then twice daily on Days 2, 3 and 4. Also use OLANzapine 2.5 to 5 mg AS NEEDED for breakthrough nausea and vomiting (including Days 1 to 4) 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
- 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
- lomustine is dispensed by CCMB Pharmacy