

## Regimen Reference Order

### H&N – CISplatin weekly with concurrent radiation

ARIA: H&N - [CISplatin (weekly) + RT]

**Planned Course:** Weekly for 7 weeks with concurrent radiation

**Indication for Use:** Squamous Cell Carcinoma of Head and Neck

**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
Not Applicable		

#### Treatment Regimen – H&N – CISplatin weekly with concurrent radiation

Establish primary solution 500 mL of: normal saline

Drug	Dose	CCMB Administration Guideline
<b>Days 1, 8, 15, 22, 29, 36 and 43</b>		
magnesium sulfate	1 g	IV in normal saline 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
CISplatin	40 mg/m <sup>2</sup>	IV in normal saline 250 mL over 1 hour

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

### REQUIRED MONITORING

Weekly

- 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

### Recommended Support Medications

Drug	Dose	CCMB Administration Guideline
aprepitant	80 mg	Orally once daily on Days 2, 3, 9, 10, 16, 17, 23, 24, 30, 31, 37, 38, 44 and 45
dexamethasone	8 mg	Orally once daily on Days 2, 3, 4, 9, 10, 11, 16, 17, 18, 23, 24, 25, 30, 31, 32, 37, 38, 39, 44, 45 and 46
OLANzapine	2.5 mg	Orally the evening of Days 1, 8, 15, 22, 29, 36 and 43 and then twice daily on Days 2, 3, 4, 9, 10, 11, 16, 17, 18, 23, 24, 25, 30, 31, 32, 37, 38, 39, 44, 45 and 46. Also use OLANzapine 2.5 to 5 mg AS NEEDED for breakthrough nausea and vomiting (including Days 1 to 4, 8 to 11, 15 to 18, 22 to 25, 29 to 32, 36 to 39 and 43 to 46) 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
- 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
- Transfusions may be necessary in order to maintain a hemoglobin greater than 100 g/L
- If CISplatin needs to be held, radiation may continue
- Creatinine clearance is determined by using patient's actual body weight
- Given that CISplatin is given concurrently with radiation, site restrictions are in place