

## Regimen Reference Order

### CNS – temozolomide with concurrent radiation

ARIA: CNS – [temozolomide with RT (3 wks)]

CNS – [temozolomide with RT (6 wks)]

**Planned Course:** Once daily with concurrent radiation for 3 weeks  
OR

Once daily with concurrent radiation for 6 weeks

**Indication for Use:** Glioblastoma Multiforme or Astrocytoma or Oligodendroglioma

**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

#### Treatment Regimen – CNS – temozolomide with concurrent radiation

Drug	Dose	CCMB Administration Guideline
ondansetron	8 mg	Orally once daily 30 minutes prior to temozolomide <b>(Self-administered at home)</b>
temozolomide	75 mg/m <sup>2</sup>	Orally once daily throughout duration of radiation therapy Take in the morning on an empty stomach Swallow whole <b>(Self-administered at home)</b> <i>*Alert: temozolomide is taken every day, including weekends and holidays, until completion of radiation therapy</i>
<b>temozolomide available dosage strengths: 5 mg, 20 mg, 100 mg, 140 mg and 250 mg capsules</b>		
<b>Classification: Cytotoxic, Hazardous</b>		
All doses will be automatically rounded that fall within the DSG Approved Dose Bands. See CNS DSG – Dose Banding document for more information		

### REQUIRED MONITORING

#### Baseline

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

#### Weekly throughout radiation

- CBC as per Physician Orders

#### As clinically indicated

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

### Recommended Support Medications

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

### INSTRUCTIONS FOR PATIENT

- Patient should be instructed to take temozolomide every day until the last day of radiation, including on weekends and holidays when radiation is not administered
- Reinforce applicable safe handling precautions of medications, blood and body fluids while on temozolomide

### ADDITIONAL INFORMATION

- Please note there are two different protocols for temozolomide with concurrent radiation:
  - **CNS – temozolomide with concurrent radiation (3 weeks)** is intended for use with courses of radiation therapy usually totaling 15 fractions
  - **CNS – temozolomide with concurrent radiation (6 weeks)** is intended for use with courses of radiation therapy usually totaling 30 fractions
- temozolomide should be taken every day starting the first day of radiation and continuing until the last day of radiation. **If radiation treatment will continue beyond the prescribed duration of temozolomide, consult with prescriber to confirm plan for temozolomide**
- Quantity of temozolomide prescribed will be dependent on radiation therapy schedule
- All oral agents as part of this regimen (temozolomide, ondansetron and metoclopramide) will be dispensed by CCMB Pharmacy