

## Regimen Reference Order – BRST – AC

ARIA: BRST – [AC]

Planned Course: Every 21 days for 4-6 cycles

Indication for Use: Breast Cancer Metastatic

CVAD: Preferred (VESICANT INVOLVED)

### **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

### Pre-treatment Requirements

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

### Treatment Regimen – BRST - AC

Establish primary solution 500 mL of: normal saline		
Drug	Dose	CCMB Administration Guideline
ondansetron	16 mg	Orally 30 minutes pre-chemotherapy
aprepitant	125 mg	Orally 30 minutes pre-chemotherapy
dexamethasone	12 mg	Orally 30 minutes pre-chemotherapy
DOXOrubicin	$60 \text{ mg/m}^2$	IV push over 10-15 minutes
cyclophosphamide	$600 \text{ mg/m}^2$	IV in normal saline 250 mL over 1 hour

Flush after each medication:

- 50 mL over 6 minutes (500 mL/hr)

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

## REQUIRED MONITORING

Cycle 1 Only

- CBC, biochemistry as per physician order
- Assess patient to rule out dehydration
- Before treatment ensure patient is voiding
- Left Ventricular Ejection Fraction (LVEF) monitoring is recommended at baseline and as clinically indicated

### Recommended Support Medications

Drug	Dose	CCMB Administration Guideline
aprepitant	80 mg	Orally once daily on Days 2 and 3 of chemotherapy cycle
ondansetron	8 mg	Orally 12 hours after chemotherapy
dexamethasone	4 mg	Orally twice daily for 2 to 3 days starting evening of chemotherapy
metoclopramide	10 - 20 mg	Orally every 4 – 6 hours as needed for nausea and vomiting

### DISCHARGE INSTRUCTIONS

- Instruct patient to:
  - Maintain oral intake of 2000 mL (8 glasses) of fluid daily at home
  - Empty bladder every 2 hours while awake and at bedtime for 24 hours
  - Obtain immediate assistance as per your clinic's contact instructions if:
    - signs of hemorrhagic cystitis
    - unable to drink recommended amount of fluid
  - 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

- N/A