

## Regimen Reference Order – GYNE – DOXOrubicin

ARIA: GYNE – [DOXOrubicin]

To order this therapy in ARIA, refer to Additional Information below

Planned Course: Every 21 days for 6 to 8 cycles

Indication for Use: Endometrial Cancer, Recurrent

CVAD: Preferred (VESICANT INVOLVED)

### **Proceed with treatment if:**

#### **Cycle 1**

**ANC equal to or greater than  $1.5 \times 10^9/L$  AND Platelets equal to or greater than  $100 \times 10^9/L$**

#### **Cycle 2 and Onwards**

**ANC equal to or greater than  $1.2 \times 10^9/L$  AND Platelets equal to or greater than  $75 \times 10^9/L$**

❖ **Contact Physician if parameters not met**

**Note: Hepatitis B serology results must be reviewed in accordance with CCMB Policy Hepatitis B Monitoring for Oncology and Hematology Patients**

## SEQUENCE OF MEDICATION ADMINISTRATION

### Pre-treatment Requirements

Drug	Dose	CCMB Administration Guideline
Not Applicable		

### Treatment Regimen – GYNE – DOXOrubicin

Establish primary solution 500 mL of: normal saline

Cycles 6 to 8: Primary solution of Lactated Ringer's is NOT required

Drug	Dose	CCMB Administration Guideline
<b>Cycles 1 to 5</b>		
aprepitant	125 mg	Orally 1 hour pre-chemotherapy
OLANzapine	2.5 mg	Orally 30 minutes pre-chemotherapy
ondansetron	16 mg	Orally 30 minutes pre-chemotherapy
dexamethasone	12 mg	Orally 30 minutes pre-chemotherapy
DOXOrubicin	60 mg/m <sup>2</sup>	IV push over 10 minutes
<b>Cycles 6 to 8</b>		
aprepitant	125 mg	Orally 1 hour pre-chemotherapy
OLANzapine	2.5 mg	Orally 30 minutes pre-chemotherapy
ondansetron	16 mg	Orally 30 minutes pre-chemotherapy
dexamethasone	12 mg	Orally 30 minutes pre-chemotherapy

dexrazoxane*	10:1 ratio of dexrazoxane to DOXOrubicin	<b>ONLY</b> to be given once patient will receive a total DOXOrubicin dose that will exceed 300 mg/m <sup>2</sup> IV made up to a final concentration of 3 mg/mL in Lactated Ringer's over 30 minutes immediately prior to the administration of DOXOrubicin <b>*Nursing Alert:</b> dexrazoxane infusion must be complete <b>prior</b> to DOXOrubicin administration
DOXOrubicin	60 mg/m <sup>2</sup>	IV push over 10 minutes
*dexrazoxane dose (mg/m <sup>2</sup> ) is usually dosed at a ratio of dexrazoxane: DOXOrubicin 10:1. Refer to Shared Health Parenteral Drug Monograph for further information		

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

## REQUIRED MONITORING

### Hepatitis B serology

- Hepatitis B surface antigen and Hepatitis B core antibody (drawn within preceding 5 years)

### Cardiac Monitoring

- Left Ventricular Ejection Fraction (LVEF) at baseline and as clinically indicated

### All Cycles

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

## 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

- Reinforce applicable safe handling precautions of medications, blood and body fluids for 48 hours after completion of chemotherapy
- Instruct patient to continue taking anti-emetic(s) at home

---

## ADDITIONAL INFORMATION

---

- Due to the risk of reactivation of Hepatitis B virus (HBV) while on this treatment regimen, prescriber must adhere to CCMB Policy ***Hepatitis B Monitoring for Oncology and Hematology Patients*** for ordering and interpreting HBV serology and prescribing antiviral prophylaxis
- DOXOrubicin is cardiotoxic
- dexrazoxane should be added to treatment regimen after patient has received a cumulative DOXOrubicin dose of 300 mg/m<sup>2</sup> (usually at cycle 6) or cumulative lifetime anthracycline dose is exceeded. dexrazoxane is prescribed to provide cardioprotection from anthracycline-associated toxicity
- **Note: For Cycles 6 to 8**, an entry called “***Physician Reminder – Order dexrazoxane if indicated 1 Units Insert Miscellaneous once***” will appear in the electronic drug order. **This prompt is to remind the prescriber to order dexrazoxane if indicated**
- **ARIA ordering:** Please note that ARIA regimens/protocols require DOXOrubicin and dexrazoxane to be ordered separately
  - Support protocol is available for dexrazoxane under **dexrazoxane** in the “Heart Damage” folder