

Regimen Reference Order

GYNE – bevacizumab + PACLitaxel + CISplatin (ovarian)

ARIA: GYNE - [bev + PAcl + CIS (Ovarian)]

Planned Course: Cycle 1: PACLitaxel + CISplatin, then
 Cycles 2 to 6: bevacizumab + PACLitaxel + CISplatin, then
 Cycles 7 to 18: bevacizumab
 (1 cycle = 21 days)

Indication for Use: Ovarian Cancer

CVAD: At Provider's Discretion

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 $100 \times 10^9/L$
- Creatinine clearance greater than 45 mL/minute

Cycles 2 to 6

- ANC equal to or greater than $1.2 \times 10^9/L$ AND Platelets equal to or greater than $75 \times 10^9/L$
- Creatinine clearance greater than 45 mL/minute

Cycles 7 to 18

- 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

SEQUENCE OF MEDICATION ADMINISTRATION

Pre-treatment Requirements

Drug	Dose	CCMB Administration Guideline
Not Applicable		

Treatment Regimen – GYNE – bevacizumab + PACLitaxel + CISplatin (ovarian)

Establish primary solution 500 mL of: normal saline

Drug	Dose	CCMB Administration Guideline
Cycle 1		
magnesium sulfate	2 g	IV in normal saline 1000 mL over 2 hours (Pre hydration)
cetirizine	20 mg	Orally 1 hour prior to PACLitaxel
aprepitant	125 mg	Orally 1 hour pre-chemotherapy
ondansetron	16 mg	Orally 30 minutes pre-chemotherapy
OLANzapine	2.5 mg	Orally 30 minutes pre-chemotherapy

dexamethasone	20 mg	IV in normal saline 50 mL over 15 minutes 1 hour prior to PACLitaxel <i>*Nursing Alert: PACLitaxel starts 1 hour after completion of dexamethasone infusion</i>
Wait 1 hour after completion of IV pre-medication(s) before starting PACLitaxel		
PACLitaxel	175 mg/m ²	IV in normal saline 500 mL over 3 hours, following the administration rates below: <ul style="list-style-type: none"> Administer at 100 mL/hour for 15 minutes, then Administer remaining volume over 2 hours and 45 minutes <i>Use non-DEHP bags and non-DEHP administration sets with 0.2 or 0.22 micron filter</i> <i>*Nursing Alert: Gently invert bag 8 to 10 times immediately prior to administration of PACLitaxel to evenly distribute the drug</i>
CISplatin	50 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 500 mL over 1 hour (Post hydration) <i>*Alert: diluent volume and duration of infusion are different than standards used in other regimens</i>
Cycles 2 to 6		
bevacizumab (brand name specific)	7.5 mg/kg	IV in normal saline 100 mL over 15 minutes <i>*Alert: Ensure brand name on prescription label (indicated in brackets on prescription label) matches prescribed order</i>
magnesium sulfate	2 g	IV in normal saline 1000 mL over 2 hours (Pre hydration)
cetirizine	20 mg	Orally 1 hour prior to PACLitaxel
aprepitant	125 mg	Orally 1 hour pre-chemotherapy
ondansetron	16 mg	Orally 30 minutes pre-chemotherapy
OLANzapine	2.5 mg	Orally 30 minutes pre-chemotherapy
dexamethasone	20 mg	IV in normal saline 50 mL over 15 minutes 1 hour prior to PACLitaxel <i>*Nursing Alert: PACLitaxel starts 1 hour after completion of dexamethasone infusion</i>
Wait 1 hour after completion of IV pre-medication(s) before starting PACLitaxel		
PACLitaxel	175 mg/m ²	IV in normal saline 500 mL over 3 hours, following the administration rates below: <ul style="list-style-type: none"> Administer at 100 mL/hour for 15 minutes, then Administer remaining volume over 2 hours and 45 minutes <i>Use non-DEHP bags and non-DEHP administration sets with 0.2 or 0.22 micron filter</i> <i>*Nursing Alert: Gently invert bag 8 to 10 times immediately prior to administration of PACLitaxel to evenly distribute the drug</i>

CISplatin	50 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 500 mL over 1 hour (Post hydration) <i>*Alert: diluent volume and duration of infusion are different than standards used in other regimens</i>
Cycles 7 to 18		
bevacizumab (brand name specific)	7.5 mg/kg	IV in normal saline 100 mL over 15 minutes <i>*Alert: Ensure brand name on prescription label (indicated in brackets on prescription label) matches prescribed order</i>
All doses will be automatically rounded that fall within CCMB Approved Dose Bands. See Dose Banding document for more information		

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

REQUIRED MONITORING

Cycle 1

- CBC, serum creatinine, urea, electrolytes, liver enzymes as per Physician Orders
- Full vital signs (temperature, heart rate, respiratory rate, blood pressure and O₂ saturation) at baseline and as clinically indicated
- Baseline blood pressure prior to magnesium infusion and repeat 15 minutes after start of magnesium infusion
- No observation period is required after PACLitaxel administration. Patient can be discharged from treatment room if stable whether they had a reaction or not

Cycles 2 to 6

- CBC, serum creatinine, urea, electrolytes, liver enzymes, urine protein and blood pressure as per Physician Orders
 - Urinalysis for protein: Where urinalysis is not possible, use dipstick. If lab urinalysis for protein is greater than or equal to 1 g/L or dipstick proteinuria shows 2+ or 3+, notify Gyne-Oncologist
- Baseline blood pressure prior to magnesium infusion and repeat 15 minutes after start of magnesium infusion
- Full vital signs (temperature, heart rate, respiratory rate, blood pressure and O₂ saturation) at baseline and as clinically indicated
- No observation period is required after bevacizumab or PACLitaxel administration. Patient can be discharged from treatment room if stable whether they had a reaction or not

Cycles 7 to 18

- CBC as per Physician Orders
- Urine protein and blood pressure as per Physician Orders
 - Urinalysis for protein: Where urinalysis is not possible, use dipstick. If lab urinalysis for protein is greater than or equal to 1 g/L or dipstick proteinuria shows 2+ or 3+, notify prescriber
- Full vital signs (temperature, heart rate, respiratory rate, blood pressure and O₂ saturation) at baseline and as clinically indicated
- No observation period is required after bevacizumab administration. Patient can be discharged from treatment room if stable whether they had a reaction or not

Recommended Support Medications

Drug	Dose	CCMB Administration Guideline
Cycles 1 to 6 ONLY		
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

- Patients should be instructed to contact their cancer team immediately if symptoms of hypersensitivity reactions occur after discharge
- 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

- PACLitaxel may cause progressive, irreversible neuropathy
- CISplatin is ototoxic and nephrotoxic
- CISplatin can cause hypomagnesemia
- bevacizumab can cause increased risk of hypertension, post-operative bleeding, wound healing complications and thromboembolic events
- bevacizumab is available from more than one manufacturer and uses several different brand names. Brand name will be indicated in brackets after bevacizumab. **Ensure prescription label matches the brand name on prescribed order**