Regimen Reference Order

GYNE – pembrolizumab + bevacizumab + PACLitaxel + CARBOplatin (cervix) ARIA: GYNE - [pembro+bev+PACL+CARBO]

Planned Course:pembrolizumab + bevacizumab + PACLitaxel + CARBOplatin every 21 days for 6
cycles, followed by pembrolizumab + bevacizumab every 21 days until disease
progression or unacceptable toxicity to a maximum of 2 years total (35 cycles)Indication for Use:Cervical Cancer Recurrent/Metastatic

Drug Alert: Immune Checkpoint Inhibitor (pembrolizumab)

CVAD: At Provider's Discretion

Proceed with treatment if:

Cycle 1

- ANC equal to or greater than 1.5×10^9 /L AND Platelets equal to or greater than 100×10^9 /L
- AST/ALT equal to or less than 3 times the upper limit of normal
- Total bilirubin equal to or less than 1.5 times the upper limit of normal
- Creatinine clearance is equal to or greater than 30 mL/minute

Cycles 2 to 6

- ANC equal to or greater than 1.2×10^9 /L AND Platelets equal to or greater than 75 x 10^9 /L
- AST/ALT equal to or less than 3 times the upper limit of normal
- Total bilirubin equal to or less than 1.5 times the upper limit of normal
- Creatinine clearance is equal to or greater than 30 mL/minute

Cycles 7 to 35

- ANC equal to or greater than 1.2×10^9 /L AND Platelets equal to or greater than 50×10^9 /L
- AST/ALT equal to or less than 3 times the upper limit of normal
- Total bilirubin equal to or less than 1.5 times the upper limit of normal
- Creatinine clearance is equal to or greater than 30 mL/minute
 - Contact Physician if parameters not met

SEQUENCE OF MEDICATION ADMINISTRATION

Pre-treatment Requirements					
	Drug	Dose	CCMB Administration Guideline		
Not Applicable					



Treatment Regimen GYNE – pembrolizumab + bevacizumab + PACLitaxel + CARBOplatin (cervix)

Drug	Dose	CCMB Administration Guideline			
Cycles 1 to 6 (pembrolizumab + bevacizumab + PACLitaxel + CARBOplatin)					
pembrolizumab	2 mg/kg	IV in normal saline 50 mL over 30 minutes Use 0.2 or 0.22 micron filter			
bevacizumab (brand name specific)	15 mg/kg	IV in normal saline 100 mL over 30 minutes *Alert: Ensure brand name on prescription label (indicated in brackets on prescription label) matches prescribed order			
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			
dexamethasone	20 mg	IV in normal saline 50 mL over 15 minutes <u>1 hour</u> prior to PACLitaxel			
		*Nursing Alert: PACLitaxel starts 1 hour after completion of dexamethasone infusion			
Wait 1 hour after comp	letion of IV pre-medicati	on(s) before starting PACLitaxel			
PACLitaxel	175 mg/m ²	IV in normal saline 500 mL over 3 hours, following the administration rates below:			
		Administer at 100 mL/hour for 15 minutes, then			
		Administer remaining volume over 2 hours and 45 minutes			
		Use non-DEHP bags and non-DEHP administration sets with 0.2 or 0.22 micron filter			
		*Nursing Alert: Gently invert bag 8 to 10 times immediately prior to administration of PACLitaxel to evenly distribute the drug			
CARBOplatin	AUC 5 mg/mL.min; maximum dose 900 mg (see table below)	IV in D5W 250 mL over 30 minutes			
Cycles 7 to 35 (pemb	rolizumab + bevacizum	ab)			
pembrolizumab	2 mg/kg	IV in normal saline 50 mL over 30 minutes Use 0.2 or 0.22 micron filter			
bevacizumab (brand name specific)	15 mg/kg	IV in normal saline 100 mL over 30 minutes *Alert: Ensure brand name on prescription label (indicated in brackets on prescription label) matches prescribed order			



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

REQUIRED MONITORING

All Cycles

- CBC, serum creatinine, urea, electrolytes, liver enzymes, total bilirubin, albumin, glucose, TSH, 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
- Medical oncologist or designate (i.e. family practitioner in oncology) must assess patient for immune-mediated adverse reactions prior to each cycle
- 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 pembrolizumab, bevacizumab or PACLitaxel 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 and 3		
metoclopramide	10 – 20 mg	Orally every 4 hours as needed for nausea and vomiting		

DISCHARGE INSTRUCTIONS

All Cycles

- Patients should be instructed to contact their cancer team immediately if symptoms of hypersensitivity reactions occur after discharge
- Confirm that patient has received the CCMB Immune Checkpoint Inhibitor Medical Alert wallet card
- Reinforce to patient the immune-mediated adverse reactions and the importance of reporting immediately
 - For severe symptoms, the patient should be instructed to go to the nearest emergency room. Oncologist on call should be contacted

Cycles 1 to 6

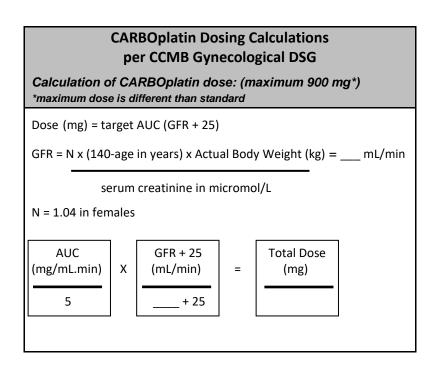
- Instruct patient to continue taking anti-emetic(s) at home
- Reinforce applicable safe handling precautions of medications, blood and body fluids for 48 hours after completion of chemotherapy

ADDITIONAL INFORMATION

- pembrolizumab is an Immune Checkpoint Inhibitor. Consult with Medical oncologist for immune-mediated adverse reactions; corticosteroids are often indicated
- PACLitaxel may cause progressive, irreversible neuropathy
- bevacizumab can cause increased risk of hypertension, post-operative bleeding, would 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



- CARBOplatin dose considerations:
 - o CCMB uses actual body weight to calculate GFR
 - CCMB Gynecological DSG uses a maximum CARBOplatin dose of 900 mg for this regimen. Note that maximum dose is different than standard used in other regimens
 - If calculated CARBOplatin dose differs more than 10% from prescribed CARBOplatin dose, contact the prescriber



<u>AUC = Area Under Curve</u>

The estimated creatinine clearance is based on limited evidence. Sound clinical judgment and interpretation of the estimation are required, because the equation may not be appropriate for some patient populations (for example, acute renal failure).

