

## Regimen Reference Order – cemiplimab desensitization

Desensitization protocol is prescribed in combination with a cemiplimab protocol  
To order this therapy in ARIA, refer to Additional Information below

- Planned Course:** Refer to prescribed cemiplimab-based protocol  
**Indication for Use:** Eligible patients with previous hypersensitivity reactions to cemiplimab  
**Drug Alert:** Immune Checkpoint Inhibitor  
**Alert:** Desensitization protocol

***cemiplimab***

- *cemiplimab is prepared in 3 separate bags with a total volume of 50 mL in BAG 1, 50 mL in BAG 2 and 100 mL in BAG 3*
- *IV tubing is primed with cemiplimab*
- *cemiplimab is administered slowly following specified rate increases. cemiplimab infusion takes approximately 4.5 hours to complete*

**CVAD:** At Provider’s Discretion

***Blood work requirements:***  
 ❖ *Refer to prescribed cemiplimab-based protocol*

### SEQUENCE OF MEDICATION ADMINISTRATION

Pre-treatment Requirements		
Drug	Dose	CCMB Administration Guideline
<i>Refer to prescribed cemiplimab-based protocol</i>		

Treatment Regimen – cemiplimab desensitization		
Establish primary solution 500 mL of: normal saline		
Drug	Dose	CCMB Administration Guideline
<b>Day 1</b>		
cetirizine	20 mg	Orally <b>1 hour</b> prior to cemiplimab
acetylsalicylic acid	650 mg	Orally <b>1 hour</b> prior to cemiplimab
montelukast	10 mg	Orally <b>1 hour</b> prior to cemiplimab
acetaminophen	975 mg	Orally <b>1 hour</b> prior to cemiplimab
hydrocortisone	100 mg	IV in normal saline 50 mL over 15 minutes <b>1 hour</b> prior to cemiplimab <i>*Nursing Alert: cemiplimab starts 1 hour after completion of hydrocortisone infusion</i>

Wait 1 hour after completion of IV pre-medication(s) before starting cemiplimab		
cemiplimab	5 mg (0.1 mg/mL) (BAG 1)	IV in normal saline <b>50 mL</b> following the administration rates below: <b>Step 1:</b> 2 mL/hour for 15 minutes, then <b>Step 2:</b> 5 mL/hour for 15 minutes, then <b>Step 3:</b> 10 mL/hour for 15 minutes, then <b>Step 4:</b> 20 mL/hour for 15 minutes <b>Once step 4 is complete, discard remainder of bag and proceed immediately to bag 2</b> Use 0.2 or 0.22 micron filter <i>*Alert:</i> Pharmacy to ensure final volume in bag = 50 mL <i>*Nursing Alert:</i> IV tubing is primed with cemiplimab
	15 mg (0.3 mg/mL) (BAG 2)	IV in normal saline <b>50 mL</b> following the administration rates below: <b>Step 5:</b> 5 mL/hour for 15 minutes, then <b>Step 6:</b> 10 mL/hour for 15 minutes, then <b>Step 7:</b> 20 mL/hour for 15 minutes, then <b>Step 8:</b> 40 mL/hour for 15 minutes <b>Once step 8 is complete, discard remainder of bag and proceed immediately to bag 3</b> Use 0.2 or 0.22 micron filter <i>*Alert:</i> Pharmacy to ensure final volume in bag = 50 mL <i>*Nursing Alert:</i> IV tubing is primed with cemiplimab
	330 mg (3.3 mg/mL) (BAG 3)	IV in normal saline <b>100 mL</b> following the administration rates below: <b>Step 9:</b> 10 mL/hour for 15 minutes, then <b>Step 10:</b> 20 mL/hour for 15 minutes, then <b>Step 11:</b> 40 mL/hour for 15 minutes, then <b>Step 12:</b> 80 mL/hour until infusion is complete Use 0.2 or 0.22 micron filter <i>*Alert:</i> Pharmacy to ensure final volume in bag = 100 mL <i>*Nursing Alert:</i> IV tubing is primed with cemiplimab

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

## REQUIRED MONITORING

### All Cycles

- Full vital signs (temperature, heart rate, respiratory rate, blood pressure and O<sub>2</sub> saturation) at baseline and as clinically indicated
- No observation period is required after cemiplimab administration. Patient can be discharged from treatment room if stable whether they had a reaction or not
- Refer to the prescribed cemiplimab-based protocol for additional monitoring

### Recommended Support Medications

Drug	Dose	CCMB Administration Guideline
<i>Refer to prescribed cemiplimab-based protocol</i>		

### DISCHARGE INSTRUCTIONS

- Patients should be instructed to contact their cancer team immediately if symptoms of hypersensitivity occur after discharge
- Confirm that patient has received the CCMB Immune Checkpoint Inhibitor Medical Alert wallet card
- Refer to the prescribed cemiplimab-based protocol for additional discharge instructions

### ADDITIONAL INFORMATION

- Oncologist must write first prescription of cemiplimab desensitization protocol
- Once the patient requires cemiplimab desensitization protocol, all subsequent cemiplimab doses must be given using cemiplimab desensitization protocol
- Refer to the prescribed cemiplimab-based protocol for additional cemiplimab information
- **ARIA ordering:** Support protocol is available under **cemiplimab** in the “Desensitization” folder
- Site restrictions may be in place for cemiplimab desensitization