Regimen Reference Order

THOR – atezolizumab + CARBOplatin + etoposide

ARIA: LUNG - [atezolizumab + CARBO + etop]
LUNG - [atezolizumab (maintenance)]

Planned Course: atezolizumab + CARBOplatin + etoposide every 21 days for 4 cycles, followed

by atezolizumab every 21 days until disease progression or unacceptable

toxicity

Indication for Use: Small Cell Lung Cancer, Extensive Stage

Drug Alert: Immune Checkpoint Inhibitor (atezolizumab)

CVAD: At Provider's Discretion

Proceed with treatment if:

Cycles 1 to 4

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

atezolizumab maintenance

- ANC equal to or greater than 1.5 x $10^9/L$ AND Platelets equal to or greater than 50 x $10^9/L$
- AST/ALT less than 3 times the upper limit of normal
- Total bilirubin less than 1.5 times the upper limit of normal
- Creatinine clearance 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 | | | | | | |



| Establish primary solution 500 mL of: normal saline | | | | | |
|--|---|---|--|--|--|
| Drug | Dose | CCMB Administration Guideline | | | |
| atezolizumab + CARBOplatin + etoposide (Cycles 1 to 4) | | | | | |
| Day 1 | | | | | |
| atezolizumab | 1200 mg | IV in normal saline 250 mL Cycle 1 to be infused over 60 minutes Cycle 2 and subsequent cycles to be infused over 30 minutes (if first dose well tolerated) | | | |
| aprepitant | 125 mg | Orally 1 hour pre-chemotherapy | | | |
| ondansetron | 16 mg | Orally 30 minutes pre-chemotherapy | | | |
| dexamethasone | 12 mg | Orally 30 minutes pre-chemotherapy | | | |
| CARBOplatin | AUC 6 mg/mL.min; maximum dose 900 mg (see table below) | IV in D5W 250 mL over 30 minutes | | | |
| etoposide | 75 mg/m ² | IV in normal saline 500 mL over 1 hour Use non-DEHP bags and non-DEHP administration sets | | | |
| Days 2 and 3 | | | | | |
| dexamethasone | 8 mg | Orally 30 minutes pre-chemotherapy | | | |
| etoposide | 75 mg/m ² | IV in normal saline 500 mL over 1 hour Use non-DEHP bags and non-DEHP administration sets | | | |
| atezolizumab maintenance starts 3 weeks after Cycle 4, Day 1 of atezolizumab + CARBOplatin + etoposide | | | | | |
| atezolizumab maintenance every 3 weeks (Cycle 1 and Onwards) | | | | | |
| atezolizumab | 1200 mg | IV in normal saline 250 mL over 30 minutes (if previously well tolerated) | | | |

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

REQUIRED MONITORING

All Cycles

- CBC, serum creatinine, urea, sodium, potassium, calcium, magnesium, phosphate, AST, ALT, total bilirubin, albumin, glucose and TSH as per Physician Orders
- 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 atezolizumab 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 | | |
| atezolizumab + CARBOplatin + etoposide (Cycles 1 to 4) | | | | |
| aprepitant | 80 mg | Orally once daily on Days 2 and 3 | | |
| metoclopramide | 10 – 20 mg | Orally every 4 hours as needed for nausea and vomiting | | |
| atezolizumab maintenance (Cycle 1 and Onwards) | | | | |
| None required | | | | |

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 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

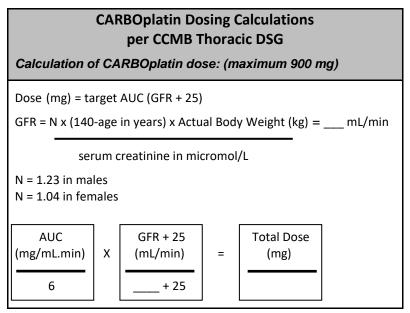
atezolizumab + CARBOplatin + etoposide (Cycles 1 to 4)

- 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

- atezolizumab is an Immune Checkpoint Inhibitor. Consult with oncologist for immune-mediated adverse reactions; corticosteroids are often indicated
- **Note:** Upon completion of 4 cycles of **LUNG** [atezolizumab + CARBO + etop], patients should be started on maintenance treatment with **LUNG** [atezolizumab (maintenance)]
 - LUNG [atezolizumab (maintenance)] should begin <u>21 days after</u> Cycle 4, Day 1 of LUNG [atezolizumab + CARBO + etop]
- CARBOplatin dosing considerations:
 - o CCMB Thoracic DSG uses actual body weight to calculate GFR
 - o CCMB Thoracic DSG uses a maximum CARBOplatin dose of 900 mg for this regimen
 - If calculated CARBOplatin dose differs more than 10% from prescribed CARBOplatin dose, contact the prescriber





AUC = Area Under Curve

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

