

## CARBOPLATIN VINCRIStINE – local funding required

### INDICATION (ICD10) C71, C72

1. Relapsed low grade glioma. PS 0, 1, 2

### REGIMEN

#### Cycle 1

Days 1 and 22 VINCRIStINE 1.5mg/m<sup>2</sup> (maximum 2mg) in 50ml sodium chloride 0.9% IV infusion over 10 minutes  
CARBOPLATIN AUC 5 in 500ml glucose 5% IV infusion over 30 minutes  
Dose calculated by EDTA GFR or calculated (CrCl + 25) x AUC.  
Maximum dose when using CrCl 125+25 x AUC

Days 8, 15, 29 and 35 VINCRIStINE 1.5mg/m<sup>2</sup> (maximum 2mg) in 50ml sodium chloride 0.9% IV infusion over 10 minutes

#### Cycle 2

Days 1 and 22 VINCRIStINE 1.5mg/m<sup>2</sup> (maximum 2mg) in 50ml sodium chloride 0.9% IV infusion over 10 minutes  
CARBOPLATIN AUC 5 in 500ml glucose 5% IV infusion over 30 minutes  
Dose calculated by EDTA GFR or calculated (CrCl + 25) x AUC.  
Maximum dose when using CrCl 125+25 x AUC

Days 8 and 15 VINCRIStINE 1.5mg/m<sup>2</sup> (maximum 2mg) in 50ml sodium chloride 0.9% IV infusion over 10 minutes

#### Cycle 3

Days 1 and 29 VINCRIStINE 1.5mg/m<sup>2</sup> (maximum 2mg) in 50ml sodium chloride 0.9% IV infusion over 10 minutes  
CARBOPLATIN AUC 5 in 500ml glucose 5% IV infusion over 30 minutes  
Dose calculated by EDTA GFR or calculated (CrCl + 25) x AUC.  
Maximum dose when using CrCl 125+25 x AUC

#### Cycle 4

Day 15 VINCRIStINE 1.5mg/m<sup>2</sup> (maximum 2mg) in 50ml sodium chloride 0.9% IV infusion over 10 minutes  
CARBOPLATIN AUC 5 in 500ml glucose 5% IV infusion over 30 minutes  
Dose calculated by EDTA GFR or calculated (CrCl + 25) x AUC.  
Maximum dose when using CrCl 125+25 x AUC

#### Cycles 5 to 14

Day 1 VINCRIStINE 1.5mg/m<sup>2</sup> (maximum 2mg) in 50ml sodium chloride 0.9% IV infusion over 10 minutes  
CARBOPLATIN AUC 5 in 500ml glucose 5% IV infusion over 30 minutes  
Dose calculated by EDTA GFR or calculated (CrCl + 25) x AUC.  
Maximum dose when using CrCl 125+25 x AUC

Days 8 and 15 VINCRIStINE 1.5mg/m<sup>2</sup> (maximum 2mg) in 50ml sodium chloride 0.9% IV infusion over 10 minutes

### CYCLE FREQUENCY AND NUMBER OF CYCLES

Every 42 days for 14 cycles (4 induction cycles and 10 consolidation cycles)

### ANTI-EMETICS

High risk carboplatin and vincristine days

Minimal risk vincristine only days

Carboplatin Vincristine	CNS CAG approval	Page 1 of 2	Approved: December 2021 Review: December 2023	Version 5.0
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## CONCURRENT MEDICATION REQUIRED

Carboplatin	Anaphylaxis treatment should be prescribed if the patient has had an anaphylactic episode previously. Dexamethasone 20mg IV bolus Chlorphenamine 10mg IV bolus H <sub>2</sub> antagonist Carboplatin should be given at a slower rate e.g. 2-4 hours.
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## EXTRAVASATION AND TYPE OF LINE / FILTERS

Carboplatin - irritant

Filter not required

Peripheral or central line

## INVESTIGATIONS

Blood results required before SACT administration

FBC, U&E and LFTs every cycle

Neutrophils x 10<sup>9</sup>/L ≥1.5

Platelets x 10<sup>9</sup>/L ≥100

GFR assessed using EDTA result or calculated creatinine clearance at the Consultant's discretion.

Patients with hydronephrosis or serum creatinine ≥100micromol/L need a serum creatinine checked every cycle.

Baseline weight and every cycle

## MAIN TOXICITIES AND ADVERSE REACTIONS

Carboplatin	Ototoxicity – monitor Neurotoxicity - monitor
Vincristine	Neuropathy

## DOSE MODIFICATIONS

GFR / calculated CrCl ≤20ml/min or ≤30ml/min with pre-existing severe renal impairment	contraindicated
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## REFERENCES