

**Systemic Anti Cancer Treatment Protocol**

**Carboplatin  
Seminoma**

**PROTOCOL REF: MPHACASEGC  
(Version No: 1.1)**

**This protocol has been temporarily amended to include GCSF during operational changes brought about during COVID-19**

**Approved for use in:**

Seminoma, stage 1

Adjuvant

**Dosage:**

Drug	Dosage	Route	Frequency
Carboplatin	AUC 7	IV	One dose only

Use the Calvert Formula to Calculate the Carboplatin dose:

$$\text{Dose} = \text{Target AUC} \times (\text{GFR} + 25)$$

EDTA measured uncorrected GFR

**Supportive treatments:**

**Anti-emetic risk - Moderate**

Ondansetron 8mg tablets, 8mg twice daily for 3 days

Dexamethasone tablets, 4mg twice daily for 3 days

Domperidone 10mg oral tablets, up to 3 times a day or as required

Filgrastim 300 or 480mcg (weight dependant) s/c for 7 days so start from day 2

**Extravasation risk:**

Irritant – use warm compression if symptoms warrant

**Administration:**

Day	Drug	Dosage	Route	Diluent and Rate
1	Ondansetron 30 mins before chemotherapy	16mg	PO	
1	Dexamethasone 30 mins before chemotherapy	8mg	PO	
1	<b>Carboplatin</b>	AUC 7	IV	500mL glucose 5% over 60 minutes

One dose only

**Notes:**

Use the Calvert Formula to Calculate the Carboplatin dose:

Dose = Target AUC x (GFR + 25)

Measure uncorrected GFR using EDTA

Do **NOT** use Cockcroft and Gault to calculate creatinine clearance

Do **not** “cap” the EDTA result

**Main Toxicities:**

Myelosuppression, infertility, nausea and vomiting, allergic reactions, alopecia (rare)

**Investigations and treatment plan**

Pre-treatment investigations:

FBC

U&Es, including LFTs

LDH

AFP

βHCG

Weight

Informed consent

Issue Date: 6 <sup>th</sup> May 2020 Review Date: May 2023	Page 2 of 3	Protocol reference: MPHACASEGC
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## Dose Modifications and Toxicity Management:

### Haematological toxicity

Proceed on day of treatment if:

ANC $\geq 1.0 \times 10^9/L$	Platelets $\geq 100 \times 10^9/L$
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Contact the prescribing team if these parameters are not met.

### Non-haematological toxicity

<b>Renal</b>	See also notes above. Always obtain an EDTA measured GFR and use the Calvert formula to calculate the Carboplatin dose Carboplatin is contraindicated if CrCl < 20ml/minute
<b>Hepatic</b>	None

## References:

Clin Genitourin Cancer 2015 Apr 20 Petrelli F et al

JCO 10 March 2011 Vol 29 (8) p957 Oliver RTD et al