

CARBOPLATIN

INDICATION (ICD10) C62

1. Seminoma stage 1 (adjuvant single dose). PS 0, 1, 2

REGIMEN

Day 1 CARBOPLATIN AUC 7 in 500ml glucose 5% IV infusion over 30 minutes.

Dose calculated by EDTA GFR or calculated $(CrCl + 25) \times AUC$.

Maximum dose when using $CrCl 125 + 25 \times AUC$

CYCLE FREQUENCY AND NUMBER OF CYCLES

Once only

ANTI-EMETICS

Moderate risk day 1

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 ₂ 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 $\times 10^9/L \geq 1.5$

Platelets $\times 10^9/L \geq 100$

Ideally EDTA GFR should be used

Creatinine clearance (GFR) calculated, at the Consultants discretion

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

Baseline weight and every cycle

MAIN TOXICITIES AND ADVERSE REACTIONS

Carboplatin	Ototoxicity – monitor Neurotoxicity - monitor
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DOSE MODIFICATIONS

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