

CARBOPLATIN

For adjuvant use in seminoma

Drug / Dosage:	Carboplatin AUC 7 (see Comments)	IV	D1
Administration:	Dilute in 250 ml 5% Glucose over 30 minutes		
Frequency:	1 cycle – Adjuvant, Stage 1		
Main Toxicities:	myelosuppression; infertility; alopecia (uncommon);		
Anti-emetics:	highly emetogenic		
Regular Investigations:	EDTA	Prior to 1 st cycle	
	FBC	D1 and D15	
	U&Es	D1	
	LFTs	D1	
	AFP	D1	
	BHCG	D1	
	LDH	D1	

Comments: The Calvert formula is used to calculate carboplatin dose:
Dose = Target AUC x (GFR + 25)

GFR should be measured using EDTA.

Do not use Cockcroft and Gault formula to calculate creatinine clearance.

Dose Modifications

Haematological Toxicity:	Day 1:	WBC $\geq 3.0 \times 10^9/l$ and Neutrophils $\geq 1.5 \times 10^9/l$ and Platelets $\geq 100 \times 10^9 /l$	Proceed with carboplatin treatment
	Day 15:	If neutrophils $< 0.5 \times 10^9/l$, assess patient for any signs of sepsis and counsel patient about appropriate self-care. If in doubt, discuss with doctor. G-CSF is not routinely indicated.	

Renal Impairment: Carboplatin is contra-indicated if CrCl $< 20\text{ml/min}$

References: Oliver, RTD et al (1994), Int J Radiation Oncology Biol.Phys; 29: 2-8

Reason for Update: Indication amended / EDTA only for measuring renal function / FBC on D15 added	Approved by Lead Chemotherapy Nurse: C Palles-Clark
Version: 2	Approved by Consultant: Dr J Money-Kyrle
Supersedes: Version 1	Date: 1.12.07
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