

# Single Agent Carboplatin

INDICATION: Small cell lung cancer, unfit for combination treatment

#### Prior to a course of chemotherapy

- Baseline bloods: FBC, U&E, LFT, Ca
- Creatinine clearance (calculated Cockcroft-Gault formula\*)
- CT thorax
- Histological/cytological confirmation
- Written informed consent for course

#### Prior to each cycle

- FBC, U&E, LFT, Ca
- CXR
- Creatinine clearance (calculated with Cockcroft-Gault formula\*)
- Medical review

Carboplatin**	AUC 5 - 7	Over 1 hour in 500 ml Dextrose 5%	Day 1	
Repeat every 21 days for 4-6 cycles				
**AUC calculated according to Calvert formula (Creatinine Clearance + 25) x 5				

Dose modification for haematological toxicity			
Neutrophils > 1.5 AND Platelets > 100	Proceed with full dose		
Neutrophils 1.0-1.5	Discuss with consultant		
• Neutrophils < 1.0 OR Platelets < 100	Defer 1 week or until recovery		
If there has been a dose delay reduce subsequent doses by 20%			

## Expected toxicities

Neutropenic sepsis & thrombocytopenia

Nausea & vomiting (moderately severe)

Diarrhoea

Mucositis



North West Coast Strategic Clinical Networks

## \*Cockcroft-Gault Formula

Creatinine Clearance

Female

(140 – age[yrs]) x wt[kg] x 1.04 Serum creatinine [micromol/I]

Male

(<u>140 – age[yrs]</u>) x wt[kg] x 1.23 Serum creatinine [micromol/I]

This protocol has been reviewed by the Lancashire & South Cumbria Lung Oncology Consultants' Group and responsibility for the template lies with the Head of Service.

Date: March 2017

Next review: March 2019