

## Chemotherapy protocol

### **Drug regimen**

Weekly Carboplatin/paclitaxel concurrent with radiotherapy

### **Indications for use**

Non-small cell lung cancer

### **Regimen**

#### **Week 1**

Pre-medicate 30 mins pre chemo with:

Dexamethasone 10mg	IV in 100ml 0.9% sodium chloride
Chlorphenamine 10mg	I.V. bolus
Ranitidine 50mg	50mls 0.9% Sodium chloride

For subsequent weeks reduce dexamethasone dose as below. (If patient experiences any hypersensitivity reaction do not reduce the dose further, seek advice from consultant).

#### **Week 2+**

Dexamethasone 8mg  
Chlorphenamine 10mg IV bolus  
Ranitidine 50mg in 50ml 0.9% sodium chloride

<b>DRUG</b>	<b>FLUID</b>	<b>TIME</b>	<b>ROUTE</b>
Paclitaxel 45mg/m <sup>2</sup> (maximum 90mg)	250mls 0.9% sodium chloride	1 hour	IV
Carboplatin AUC2 (maximum 200mg)	250-500mls 5% Glucose	1 hour	IV

Regimen to be given weekly for 6 weeks

### **Investigation prior to initiating treatment**

FBC, U&Es, LFTs, calcium, random glucose

### **Investigations and consultations prior to each cycle**

FBC U&Es and LFTs

Calcium, random glucose and Mg 3 weekly

Consultation needed every week in radiotherapy review clinic

Bloods to be checked the day before so that results are available pre-chemotherapy

**Acceptable levels for treatment proceed**

(If outside these levels delay one week or contact consultant)

Omit treatment until platelets  $\geq 80$  and neutrophils  $\geq 1$

GCSF Is not usually administered during radiotherapy

**Side effects**

Hypersensitivity reactions, myalgia, neuropathy, alopecia, nausea and vomiting, fatigue, bone marrow suppression, skin reaction, osteoporotic fractures, constipation

**Dose Modification Criteria**

Do not reduce doses; discontinue treatment in the event of toxicity

**Additional medications**

Ondansetron 8mg bd 1 days

Metoclopramide 10mg tds prn

PPI (or ranitidine), mouth washes and laxatives as indicated

**Specific Information on Administration**

Use non PVC IV giving set with paclitaxel

Give paclitaxel before carboplatin

Treatment must be given before radiotherapy

Radiotherapy to start within 2 hours of completion of chemotherapy

**THIS PROTOCOL HAS BEEN DIRECTED BY DR. YIANNAKIS, CONSULTANT ONCOLOGIST  
RESPONSIBILITY FOR THIS PROTOCOL LIES WITH THE HEAD OF SERVICE**

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