

Lancashire & South Cumbria Cancer Network Systemic Anticancer Treatment Protocol

Drug regimen

Carboplatin with nab-paclitaxel (Abraxane)

Indications for use

Breast cancer (all settings) – for use during coronavirus pandemic

Regimen

DRUG	FLUID	TIME	ROUTE
Abraxane 200mg/m ²		30 minutes	IV
Carboplatin AUC 6	500mls 5% Glucose	1 hour	IV

Maximum carboplatin dose=890mg

Regimen to be given every 3 weeks for 6 cycles (4 cycles for neoadjuvant breast cancer followed by EC or AC chemotherapy)

Investigation prior to initiating treatment

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

Investigations and consultations prior to each cycle

FBC U&Es and LFTs

Magnesium once a month, random glucose or BM once a month

Consultation every three weeks

The U&Es and LFTs need to be checked the day before so that results are available pre-chemotherapy

Acceptable levels for treatment proceed before day 1

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

Delay treatment 1 week or until platelets ≥ 100 and neutrophils ≥ 1.5

If Neutrophils 1.2 – 1.5 contact **consultant**

Side effects

Neutropenia, thrombocytopenia, anaemia, fatigue, neuropathy, anorexia, nausea, myalgia, arthralgia, hypersensitivity reactions

Dose Modification Criteria

	Starting dose	Dose level -1	Dose level -2
Carboplatin	AUC6	AUC5	AUC4
Abraxane	200mg/m ²	150-200mg/m ²	100-150mg/m ²

Reduce dose by 1 dose level in the event of multiple delays due to haematological toxicity

Withhold Abraxane in the event of grade ≥ 2 neuropathy until resolved to grade ≤ 1 and restart at reduced dose level

Reduce dose of Abraxane by 20% in patients with moderate to severe hepatic impairment (total bilirubin > 1.5 to ≤ 5 x ULN and AST ≤ 10 x ULN).

Do not use in patients with total bilirubin > 5 x ULN or AST > 10 x ULN

Specific Information on Administration

Important – Use non PVC IV giving set with a 15 μ m filter with Abraxane.

Abraxane must be given before carboplatin

THIS PROTOCOL HAS BEEN DIRECTED BY DR HOGG, CONSULTANT ONCOLOGIST

RESPONSIBILITY FOR THIS PROTOCOL LIES WITH THE HEAD OF SERVICE

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