

**Lancashire & South Cumbria Cancer Network  
Systemic Anticancer Treatment Protocol**

**Drug regimen**

Docetaxel / cyclophosphamide

**Indications for use**

Adjuvant treatment for breast cancer

**Regimen**

DRUG	FLUID	TIME	ROUTE
Cyclophosphamide 600mg/m <sup>2</sup>		bolus	IV
Docetaxel 75mg/m <sup>2</sup>	250mls 0.9% sodium chloride	1 hour	IV

Administer cyclophosphamide first

N.B. Pre-medicate with 8mg Dexamethasone bd po for 3 days starting 24 hours pre-treatment.

Regimen to be given every 3 weeks for 6 cycles

**Investigation prior to initiating treatment**

U&Es, FBC, LFT, Weight

**Cautions**

Levels (see below)

**Investigations and consultations prior to each cycle**

FBC

Consultation – Each cycle

U&Es and LFTs

The liver function test may be retrospectively looked at (i.e. after the chemotherapy treatment) unless they are known to be abnormal then they need to be repeated the day before so that the results are available pre-chemotherapy.

**Acceptable levels for treatment to proceed**

(if outside these levels defer one week or contact consultant)

Neuts >1.5

Platelets >100

Bilirubin within normal limits

AST/ALT < 2.5 X ULN

If Neutrophils 1.2 – 1.5 contact consultant

**Side Effects**

Hair loss, prolonged neutropenia, allergic reactions, diarrhoea, neuropathy

**Dose Modification Criteria**

Consider 25% dose reduction:

Febrile neutropenia Severe / prolonged neutropenia Grade 3 diarrhoea Grade 2 neuropathy Rising ALT / AST

Discontinue treatment:  
Life threatening sepsis Grade 4 toxicity

**Specific Information on Administration**

Patients must be prescribed a pre-medication of dexamethasone 8 mg bd po to be started 24 hours before treatment and continued for a total of 72 hours. This is to reduce the incidence of allergic reaction.

THIS PROTOCOL HAS BEEN DIRECTED BY DR BEZECNY, CLINICIAN FOR BREAST CANCER

RESPONSIBILITY FOR THIS PROTOCOL LIES WITH THE HEAD OF SERVICE

<b>DATE</b>	<b>December 2019</b>
<b>REVIEW</b>	<b>December 2021</b>
<b>VERSION</b>	<b>6</b>