

## VEPEM-B (as in the SHIELD Study)

**INDICATION:** Hodgkin's lymphoma in older patients

### Prior to a course of treatment

- Assess cardiac function by history & examination, ECG and CXR. If there is evidence of cardiac disease or prior anthracyclines perform a MUGA scan. If LVEF < 50% *discuss with consultant*
- Check recent renal and hepatic function are within normal limits - *if not discuss with consultant and see dose modification*
- Patient should have adequate bone marrow reserve before commencing treatment, i.e. neuts >1.0, platelets >100 - *if not discuss with consultant*
- Written consent for course

### Prior to each cycle

- Medical review of fitness for chemotherapy – exclude active infection, major changes in organ function
- Check FBC days 1 & 15 – neutrophils must be > 2.0 & plats > 100 unless due to disease e.g splenomegaly, marrow infiltration (*see dose modifications*)
- Check U&Es, creat, LFTs days 1 & 15

<b>Day 1</b>	Vinblastine	6mg/m <sup>2</sup>	IV bolus	stat
	Cyclophosphamide	500mg/m <sup>2</sup>	IV bolus	stat
<b>Day 1-5</b>	Procarbazine *	100mg/m <sup>2</sup>	PO	od
	Prednisolone	30mg/m <sup>2</sup>	PO	od
<b>Days 6-14</b>	GCSF	5µg/kg	SC	od
<b>Day 15</b>	Mitozantrone	6mg/m <sup>2</sup>	IV in 100ml N saline	over 15mins
<b>Day 15</b>	Bleomycin	10000U/m <sup>2</sup>	IV bolus	stat
<b>Day 15-19</b>	Etoposide **	60mg/m <sup>2</sup>	PO	od
<b>Days 20-27</b>	GCSF	5µg/kg	SC	od
<b>Repeat cycle every 28 days for up to 6 cycles</b>				
* Procarbazine - 50mg capsules				
** Etoposide - 50mg and 100mg capsules				

### Prophylaxis for acute emesis

Ondansetron 8mg PO days 1 & 15

### Prophylaxis for delayed emesis

Ondansetron 8-12hrly & metoclopramide 10-20mg 6-12hrly

### Other medications

Allopurinol 300mg od for cycles 1-3

Nystatin 1ml qds & Corsodyl 10ml qds

Cotrimoxazole 480mg od throughout & for 2 weeks after

## LSCCN HAEMATOLOGY PROTOCOLS

### Dose modification for haematological toxicity

- Neutrophils > 2.0 & plats > 100                      Give 100% dose
- Neutrophils 1.0 – 2.0 or plats 50-100              Delay 1 week
- Neutrophils remain 1.0-2.0 or plats 50-100 despite delay      Proceed at 50-75% dose (but 100% bleomycin & prednisolone) – *discuss with consultant*
- Neutrophils remain <1.0 or platelets <50              Further treatment may be inappropriate – *discuss with consultant*

### Dose modification for neurological toxicity

- If grade 2 motor toxicity (*mild objective weakness interfering with function but not with activities of daily living*) or grade 3 sensory (*sensory loss or paraesthesia interfering with activities of daily living*)              Stop vinblastine.

### Dose modification for pulmonary toxicity .

- Bleomycin should be stopped and pulmonary function testing performed if there are signs or symptoms of bleomycin pulmonary toxicity. *The consultant must be informed.* Bleomycin should be discontinued if diffusing capacity is <50% of predicted value.

### Dose modification for cardiotoxicity

- If symptoms or signs of cardiac failure develop, the LVEF should be measured by MUGA scan. If LVEF <50% further VEPEM-B may be inappropriate – *discuss with consultant*

### Dose modification for liver dysfunction (unless due to lymphoma)

- Bilirubin >50µmol/L    Reduce vinblastine, procarbazine & mitoxantrone by 50%

### VEPEM-B Toxicities

Neutropenic sepsis & thrombocytopenia	Nausea (moderate) – but severe with alcohol & procarbazine
Mucositis	Interstitial pneumonitis & (late) pulmonary fibrosis
Alopecia	Anaphylaxis (rarely) & febrile reactions with bleomycin (maybe several hours later)
Cardiac arrhythmias & cardiomyopathy	Pruritic erythema & hyperpigmentation (bleomycin)..
Peripheral neuropathy	Photosensitivity with procarbazine
Hyperglycaemia	Autonomic neuropathy – commonly constipation, ileus
Second malignancies (late)	

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