Systemic Anti Cancer Treatment Protocol

Vinorelbine Cyclophosphamide Sarcoma

PROTOCOL REF: MPHAVINCYC (Version No: 1.0)

Approved for use in:

Dosage:

Schedule

IVADo x4 -> Surgery/Radiotherapy -> IVA x5 -> +/- maintenance vinorelbine and cyclophosphamide

	Cycle 1			Cycle 2		Cycle 3		Cycle 4	Surgery /		
	IVADo	٧	٧	IVADo	٧	V	IVADo			IVADo	Radiotherapy
Week	1	2	3	4	5	6	7	8	9	10	

	Сус	le 5		Cycle 6		Cycle 7		Cycle 8		Cycle 9			
	IVA			IVA			IVA			IVA			IVA
Week	13	14	15	16	17	18	19	20	21	22	23	24	25

I= Ifosfamide, V= Vincristine, A= Actinomycin D, Do= Doxorubicin

Maintenance Vinorelbine and Cyclophosphamide

		Cycle	1	Cycle 2 Onwards		
	Vinorelbine Vinorelbine Vinorelbine				Continue Vinorelbine / Cyclophosphamide	
	Cyclop	hosphamide o	oral continuous	maintenance as for cycle 1 every 28 days for 6		
Week	1	2	3	4	or 12 cycles	

Drug	Dosage	Route	Frequency
Vinorelbine	25mg/m ² d1, 8 and 15	IV	Every 28 days
Cyclophosphamide	25mg/m ² days 1 to 28	PO	Continuous

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Alveolar Rhabdomyosarcoma, or locoregional disease – give for 6 cycles ie 6 months Metastatic disease – 12 cycles after IVADo

Supportive treatments:

Anti -emetic risk - moderate

Domperidone 10mg oral tablets, up to 3 times a day or as required

Extravasation risk:

Vinorelbine (IV) -vesicant

Administration:

Day	Drug	Dosage	Route	Diluent and Rate
1	Vinorelbine	25mg/m ²	IV	50mL Sodium Chloride 0.9% over 5 to 10 minutes
1 to 28	Cyclophosphamide	25mg/m ²	PO	Daily
8	Vinorelbine	25mg/m ²	IV	50mL Sodium Chloride 0.9% over 5 to 10 minutes
15	Vinorelbine	25mg/m ²	IV	50mL Sodium Chloride 0.9% over 5 to 10 minutes

Notes:

Administer / take cyclophosphamide in the morning to reduce drug held in the bladder overnight Round the total cyclophosphamide dose to nearest 50mg

Flush vein with 250mL 0.9% sodium chloride free flowing after vinorelbine

Main Toxicities:

Myelosuppression, haemorragic cystitis, nausea, vomiting, diarrhoea, stomatitis, alopecia, infertility neurotoxicity, constipation

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Investigations and treatment plan

	Pre	Cycle 1	Cycle 2	Cycle 3	Cycle 4	Comments/ ongoing
Medical Assessment	Х		X		X	Alternate cycle
Nursing Assessment	Х	X	X	X	X	Before every vinorelbine
FBC	Х	X	Х	Х	Х	Before every vinorelbine
U&E & LFT	Х	Х	Х	Х	Х	Day 1 only
CT scan	Х					As clinically indicated
Informed Consent	Х					
PS recorded	Х	X	X	X	X	Every cycle day 1
Toxicities documented	Х	Х	Х	Х	Х	Every visit
Weight recorded	Х	Х	Х	Х	Х	Every cycle day 1

Dose Modifications and Toxicity Management:

Haematological toxicity

Proceed on day 1, 8 and 15 if:-

ANC ≥ 1.0 x 10 ⁹ /L	Platelets ≥ 80 x 10 ⁹ /L
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Delay 1 week on day 1 if:-

ANC ≤ 0.9 x 10 ⁹ /L	Platelets ≤ 79 x 10 ⁹ /L
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If platelets or ANC still below required levels for treatment at week 2, delay treatment again and patient will need assessment and consideration of dose reduction.

Parameter	Dose
Neutrophils <1 x10 ⁹ /L and/or platelets < 80 x10 ⁹ /L	Stop cyclophosphamide until recovery Consider withholding day 15 vinorelbine
Further haematological toxicity	Day 1 and 8 vinorelbine – give 20mg/m² vinorelbine Day 15 vinorelbine - omit

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Non-haematological toxicity

Renal				
	CrCl mL/min	Cyclophosphamide dose		
	Above 20	100%		
	10 to 20	75%		
	Less than 10	50%		
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Hepatic	If ALT/AST > 5 x ULN and /or bilirubin > 2 x ULN suggest reduce vinorelbine dose by 20mg/m² and monitor closely for haematological toxicity Cyclophosphamide - Usually no reductions required, discuss with consultant if severe impairment			
Neurological	Grade 1 to 2 continue with 100% dose vinorelbine Grade 3 to 4 stop vinorelbine – discuss with consultant			

References:

EpSSG RMS 2005, a protocol for non-metastatic rhabdomyosarcoma, v1.2 international, July 2008 Dose Adjustment for Cytotoxics in Hepatic Impairment 2009 http://www.londoncancer.org/media/65594/hepatic-impairment-dosage-adjustment-for-cytotoxics.pdf

Oncology Chemotherapy Guidelines and Protocols, Royal Surrey County Hospital, http://royalsurrey.staging.flipsidegroup.com/Default.aspx?DN=d7aecb87-6d4d-4112-9374-0c77d051b7e3

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