Indication	R GDP for a patient with relapsed/refractory high grade B NHL.				
Treatment	Curative/Palliative/Disease Modification.				
Intent					
Frequency and	Repeat every 21 days.				
number of	A formal review must take place after 2 cycles to review the patients response.				
cycles	Continue for a maximum of 6 cycles, or disease progression or unacceptable toxicity.				
Monitoring	Check virology status prior to cycle1.				
Parameters	EDTA should be used to measure GFR prior to cycle 1.				
pre-treatment	If there is a delay in obtaining EDTA, C+G should be used to estimate renal				
	function.				
	Monitor FBC day 1 and 8 of each cycle.				
	U&Es and LFTs baseline and at each cycle.				
	Day 1 If neuts >/= 1.5 and PLT >/=100 continue with treatment. If neuts 1.0-1.4 and				
	PLT >/=100 d/w consultant. If neuts <1.0 or PLT <100 defer treatment and consider				
	dose reduction.				
	BP before first cycle and as clinically indicated thereafter.				
	Blood glucose before first cycle and as clinically indicated thereafter.				
	Consider audiology test for hearing impaired patients and monitor all patients for				
	ototoxicity throughout treatment.				
	Dose reduction should be considered if grade 3 or 4 non-haematological toxicity or				
	repeat appearance of grade 2 (except N&V and alopecia). Delay until resolution of				
	toxicity to = grade 1.</th				
	• Hepatic impairment: If bilirubin > 27 μmol/L, initiate treatment with gemcitabine				
	800mg/m2.				
	 Renal Impairment: Cisplatin: If GFR ≥ 60ml/min give full dose, if 45 – 59ml/min give 75% and if < 45ml/min consider carboplatin. 				
	Gemcitabine: If CrCl <30ml/min, consider gemcitabine dose reduction-clinical				
	decision.				
	Haematological Toxicity: Gemcitabine:				
	Day 1. Delay cycle if neutrophils < 1.0 x 10°/l or platelets < 100 x 10°/l.				
	Day 8. If neuts $\geq 1.0 \times 10^9$ /l & platelets $\geq 100 \times 10^9$ /l give full dose,				
	if neuts 0.5 – 0.99 x10 ⁹ /l or platelets 50 – 99 x10 ⁹ /l give 75% of Day 1 dose, if neuts				
	< 0.5 x10 9 /l or platelets \leq 50 x10 9 /l omit the Day 8 gemcitabine or delay until				
	neutrophils > 0.5 and platelets > 50.				
	Rituximab Infusion:				
	First infusion – Initiate at 50 mg/hr. Increase at 50mg/hr increments every 30mins				
	to 400mg/hr max. Subsequent infusions – Initiate infusion at 100mg/hr. Increase				
	rate at 100mg/hr increments every 30mins to 400mg/hr max.				
	From cycle 2 onwards rapid infusion may be used if requested by prescriber				
	(patient must not have had a grade 3 or 4 reaction to previous rituximab				
	treatment). In this case infuse first 100ml over 20 minutes and, if no reaction,				
	infuse remaining 400ml over 60 minutes.				
	Ensure pre-medication of rituximab with chlorpheniramine, hydrocortisone &				
	paracetamol. Monitor rituximab infusion closely (complete monitoring form),				
	watch for signs of dyspnoea, fever, rigors. If such symptoms occur stop infusion				
	and seek medical advice. Infusion may be recommenced at half the previous rate,				
	once symptoms have subsided. Anaphylaxis drugs must be available when treating				
	with rituximab. Consider with drawing any anti-hyportensives 12 hours before treatment with				
	Consider withdrawing any anti-hypertensives 12 hours before treatment with Biturinah				
	Rituximab.				

Protocol No	HAEM-NHL-081	Kent and Medway SACT Protocol		
		Disclaimer: No responsibility will be accepted for the accuracy of this information		
		when used elsewhere.		
Version	1	Written by	M.Archer	
Supersedes	New protocol	Checked by	H.Paddock	
version		·	M.Capomir	
Date	29.04.21	Authorising consultant (usually NOG Chair)	M.Young	

References	a split dosing over two days during the first cycle. ARIA off license protocol: RGDP for NHL, St Lukes cancer alliance protocol GDP+/-R
	given to the use of a reduced infusion rate for the first infusion in these patients or
	very closely monitored throughout the first infusion. Consideration should be
	syndrome, should only be treated with extreme caution. These patients should be
	x 10^9/L) who may be at higher risk of especially severe cytokine release
	 Patients with a high tumour burden or with a high number of lymphocytes (>/=25

NB For funding information, refer to CDF and NICE Drugs Funding List

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Repeat every 21 days

Day	Drug	Dose	Route	Infusion Duration	Administration
1	Paracetamol	1gm	РО	stat	30minutes prior to rituximab
	Chlorphenamine	10mg	IV	bolus	30minutes prior to rituximab
	Hydrocortisone	100mg	IV	bolus	30minutes prior to rituximab
	RITUXIMAB	375mg/m ²	IV	See notes above	500ml sodium chloride 0.9%
2	Sodium chloride 0.9%	1000ml	IV	2hrs	+ 20mmol KCL + 10mmol Mg ² ++
	Sodium chloride 0.9%	1000ml	IV	2hrs	+ 20mmol KCL
	Aprepitant	125mg	РО	stat	One hour prior to cisplatin
	Mannitol 10%	200ml	IV	15min	
	Ondansetron	<75yrs 16mg <u>></u> 75yrs 8mg	IV	15min	Sodium Chloride 0.9% 50ml
	Dexamethasone	40mg	РО	stat	
	GEMCITABINE	1000mg/m²	IV	30 min Consider extending if final volume greater than 500ml	Sodium Chloride 0.9% 250ml To a final volume concentration of 0.1mg/ml- 10mg/ml
	CISPLATIN	75mg/m²	IV	2 hrs	Sodium Chloride 0.9% 1000ml

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Day 2 cont	Furosemide	40mg	IV/PO	bolus	If urine output <100ml/hour or weight gain>2kg
	Sodium Chloride 0.9%	1000ml	IV	2 hrs	+ 20mmol KCl + 10mmol Mg²+
	*(Furosemide)	40mg	IV/PO	* ONLY IF REQ'D: If patient remains in a 2 positive balance	
Day 8	Metoclopramide	10mg	РО	stat	
	GEMCITABINE	1000mg/m²	IV	30 min Consider extending if final volume greater than 500ml	Sodium Chloride 0.9% 250ml To a final volume concentration of 0.1mg/ml- 10mg/ml
TTO	Drug	Dose	Route	Directions	
Day 1	Aprepitant	80mg	РО	OM on day 3 and 4 only OD for 21 days. Supply cycle 1 only. BD on a Monday, Wednesday and Friday only. (for duration of therapy and 6 weeks afterwards)	
	Allopurinol	300mg	РО		
	Co-trimoxazole	480mg	PO		
	Aciclovir	400mg	РО	BD	
	Fluconazole	100mg	РО	OD for 21 days	3
	Omeprazole	20mg	РО	OD for 21 days	
	Dexamethasone	40mg	РО	OM for 3 days Take with or a	starting on day 3. fter food.

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