

Patient Name	Kent & Medway SACT proforma	Date Calculated →	Protocol Number HAEM-NHL-008
Patient Number	CODOX M (3g/m²) Non-Hodgkin's Lymphoma Curative / Non-curative / Remission Cycle No..... (Repeat every 21 - 28 days) Length of cycle: 3-4 weeks No. cycles: 2-3	Height (m)	Authorising Consultant: S Rasiah
DOB		Weight (kg)	Pharmacist: J. Sawyer/O. Okuwa
Consultant		Surface Area (m²)	Review by November 16 Version 2
Allergies:			

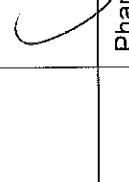
- Haematological - Proceed with successive cycles when neutrophils > 1.0 x 10⁹/L and platelets >75 x 10⁹/L.
- Renal - Cyclophosphamide: CrCl 10-20mL/min dose at 75%; CrCl <10mL/min dose at 50%.
Methotrexate: only give if CrCl > 50mL/min. It is recommended to use Rasburicase with Cycle 1.
- Hepatic - Doxorubicin: bilirubin 20 - 51µmol/L dose at 50%, bilirubin 52 - 85µmol/L dose at 25%, bilirubin > 85µmol/L omit dose.
Vincristine: bilirubin 26-51µmol/L or AST/ALT 60-180 units give 50%, bilirubin >51µmol/L and AST/ALT normal give 50%, bilirubin >51µmol/L and AST/ALT >180 units omit.
- Neurotoxicity - Grade 2 motor and Grade 3 sensory toxicity give Vincristine 50% dose or Vinblastine 4-6mg/m².
- Methotrexate - Levels - take level 48 hours after start of Methotrexate infusion and then every 24 hours thereafter until methotrexate level is below 0.05 µmol/L.
Continue folic acid until methotrexate levels <0.05 µmol/L.
Exclude third space fluids (ascites, pleural effusion) before starting Methotrexate. NSAIDs, salicylates, sulphonamides, and high dose penicillin delay excretion of Methotrexate.
Stop prophylactic Co-trimoxazole one week before treatment with Methotrexate.
Urine pH must be above 7 before starting Methotrexate infusion. Monitor urine pH every 2 hours during high dose Methotrexate and adjust to achieve pH between 7 and 8 by using sodium bicarbonate. Sodium bicarbonate must be infused over a CVC catheter.
Keep fluid balance chart, if urine output < 400ml/m² in any given 4 hour period give Furosemide 40mg IV.
For patients over 65 years old reduce Methotrexate to 100mg/m² over 1 hour then 900mg/m² over 23 hours.
- Maximum cumulative dose of Doxorubicin = 450-550mg/m². Check previous exposure to anthracyclines. ECG Checked prior to treatment
- Usually alternate course with IVAC at 21-28 days interval and if used with Rituximab, doses are usually given on Day 1 & Day 11

Day	Drug	Dose	Route	Infusion Duration	Administration Details	Batch No	Nurses Sign	Start Time	Stop Time
Day 1	Ondansetron	<75yrs 16mg ≥75yrs 8mg	iv	15 min	NaCl 0.9% 50ml				
.../.../...	<input type="checkbox"/> tick if required RASBURICASE (0.2mg/kg)		iv	30 min	NaCl 0.9% 50ml				
	CYCLOPHOSPHAMIDE (800mg/m²)		iv	bolus	through the side of a free-running iv infusion. (If dose > 1500mg administer in 250ml NaCl 0.9% over 30mins.)				

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DOB						Weight (kg)		Pharmacist: J. Sawyer/O. Okuwa	
Consultant						Surface Area (m ²)		Review by November 16 Version 2	
Notes						Allergies:			
Day	Drug	Dose	Route	Infusion Duration	Administration Details	Batch No	Nurses Signature	Start Time	Stop Time
Day 1	VINCRIStINE (1.5mg/m ²) (max 2mg)		iv	5-10mins	NaCl 0.9% 50ml				
...../..... cont.	DOXORUBICIN (40mg/m ²)		iv	bolus	through the side of a free-running iv infusion				
<p align="center">Authorised prescriber on the Trust Intrathecal Register to prescribe Intrathecal Cytarabine 70mg on Trust Intrathecal Proforma. Ensure all iv are given and signed for before IT.</p>									
TTO	Drug	Dose	Route	Directions	Date	Quantity	Disp	Check	
	Ondansetron	8mg	po	bd for 5 days					
	Ranitidine	150mg	po	bd					
	Allopurinol	300mg	po	od 3/52 (first cycle only) starting the first day rasburicase is not required.					
	Aciclovir	400mg	po	bd					
	Co-trimoxazole	480mg	po	bd Mon, Wed, Fri. Start when Methotrexate levels are below 0.05µmol/l					
	Itraconazole Liquid	200mg	po	bd. Start on D10 i.e. AFTER vincristine doses are finished.					
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Patient Number		CODOX M (3g/m²) Non-Hodgkin's Lymphoma Curative / Non-curative / Remission				Height (m)		Authorising Consultant: S Rassam / J Lindsay	
DOB						Weight (kg)		 Pharmacist: J. Sawyer/O. Okuwa Review by November 16 Version 2	
Consultant		Cycle No..... (Repeat every 21 - 28 days) Length of cycle: 3-4 weeks No. cycles: 2-3				Surface Area (m ²)			
Notes						Administration Details		Batch No	
Day		Dose		Route		Infusion Duration		Stop Time	
Day 2		Ondansetron		iv		15 min			
...../...../.....		<input type="checkbox"/> tick if required RASBURICASE (0.2mg/kg) CYCLOPHOSPHAMIDE (200mg/m ²)		iv		30 min			
Day 3		Ondansetron		iv		15 min			
...../...../.....		<input type="checkbox"/> tick if required RASBURICASE (0.2mg/kg) CYCLOPHOSPHAMIDE (200mg/m ²)		iv		30 min			
Day 4		Ondansetron		iv		15 min			
...../...../.....		<input type="checkbox"/> tick if required RASBURICASE (0.2mg/kg) CYCLOPHOSPHAMIDE (200mg/m ²)		iv		30 min			
Day 5		Ondansetron		iv		15 min			
...../...../.....		<input type="checkbox"/> tick if required RASBURICASE (0.2mg/kg) CYCLOPHOSPHAMIDE (200mg/m ²)		iv		30 min			
Prescriber's Signature & Date:		Pharmacist's Clinical Screen & Date:		Final release signature & Date:		Page 3 of 9			


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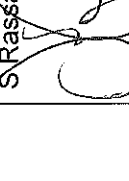
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DOB						Weight (kg)		Pharmacist: J. Sawyer/O. Okuwa	
Consultant						Surface Area (m ²)		Review by November 16 Version 2	
				Allergies:					
Day	Drug	Dose	Route	Infusion Duration	Administration Details	Batch No	Nurses Signature	Start Time	Stop Time
Day 8/.../...	VINCRIStINE (1.5mg/m ²) (max 2mg)		iv	5-10mins	NaCl 0.9% 50ml				
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Patient Name	Kent & Medway SACT proforma				Protocol Number HAEM-NHL-008					
Patient Number	CODOX M (3g/m²) Non-Hodgkin's Lymphoma Curative / Non-curative / Remission Cycle No..... (Repeat every 21 - 28 days) Length of cycle: 3-4 weeks No. cycles: 2-3				Authorising Consultant: S.Rassam / J Lindsay					
DOB					Height (m)	Pharmacist: J. Sawyer/O. Okuwa	Review by November 16			
Consultant					Weight (kg)	Version 2	Allergies:			
<ul style="list-style-type: none"> • Sodium bicarbonate infusions must be infused via a central line and commence fluid balance chart. • Ensure pH urine >7 before starting Methotrexate. • Prehydration: start 6-24 hours prior to IV Methotrexate (one line running @ 125 ml/m²/hr). • High Dose Methotrexate infusion: Methotrexate is infused through one arm of a Y-extension with hydration through the other so that they both run concurrently. • Stop METHOTREXATE Infusion @ T24. 	Date Calculated	Batch No	Nurses Signature	Start Time	Stop Time					
Day	Time	Drug	Dose	Route	Infusion Duration	Administration Details				
Day 10/...../.....	T -24	Ondansetron	<75yrs 16mg ≥75yrs 8mg	iv	15 min	Start pre-hydration 6-24 hours before methotrexate. Use separate methotrexate hydration proforma.				
T0		METHOTREXATE (300mg/m²)		iv	1 hr	NaCl 0.9% 50ml				
T0		1L 5% Glucose + 50-100mmol Sodium Bicarbonate + 20mmol Potassium Chloride		iv	8 hrs	NaCl 0.9% 100ml				
T1		METHOTREXATE (2700mg/m²)		iv	23 hrs	NaCl 0.9% 1000ml				
		1L 0.9% NaCl + 50-100mmol Sodium Bicarbonate +20mmol Potassium Chloride		iv	8 hrs					
		1L 5% Glucose + 50-100mmol Sodium Bicarbonate +20mmol Potassium Chloride		iv	8 hrs					
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Patient Name		Kent & Medway SACT proforma CODOX M (3g/m²) Non-Hodgkin's Lymphoma Curative / Non-curative / Remission Cycle No..... (Repeat every 21 - 28 days) Length of cycle: 3-4 weeks No. cycles: 2-3				Date Calculated		Protocol Number HAEM-NHL-008	
Patient Number						Height (m)		Authorising Consultant: S Rassam / J Lindsay	
DOB						Weight (kg)		Pharmacist: J. Sawyer/O. Okuwa Review by November 16 Version 2	
Consultant						Surface Area (m ²)		Allergies:	
Notes		Administration Details		Nurses Signature		Start Time		Stop Time	
<ul style="list-style-type: none"> Check methotrexate levels immediately prior to T48 dose of Folinic Acid. Continue folinic acid until methotrexate levels <0.05 µmol/L. 		Dose Route Infusion Duration		Batch No					
Day 11	T24	Start post-hydration at T24. Use separate methotrexate hydration proforma.							
Day 11	T36	Folinic acid (15mg/m ²)	iv	bolus					
...../..... cont.	T39	Folinic acid (15mg/m ²)	iv	bolus					
	T42	Folinic acid (15mg/m ²)	iv	bolus					
	T45	Folinic acid (15mg/m ²)	iv	bolus					
Day 12	T48	Folinic acid (15mg/m ²)	iv	bolus					
...../.....									
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DOB						Weight (kg)		Pharmacist: J. Sawyer/O. Okuwa	
Consultant						Surface Area (m ²)		Review by November 16 Version 2	
Notes						Allergies:			
<ul style="list-style-type: none"> Check methotrexate levels immediately prior to T72 dose of Folinic Acid. Continue folinic acid until methotrexate levels <0.05 µmol/L. 									
Day	Time	Drug	Dose	Route	Infusion Duration	Administration Details		Batch No	Nurses Signature
Day 12	T54	Folinic acid (15mg/m ²)		iv/po	bolus				
.....	T60	Folinic acid (15mg/m ²)		iv/po	bolus				
cont.	T66	Folinic acid (15mg/m ²)		iv/po	bolus				
	T72	Folinic acid (15mg/m ²)		iv/po	bolus				
	T78	Folinic acid (15mg/m ²)		iv/po	bolus				
Day 13	T84	Folinic acid (15mg/m ²)		iv/po	bolus				
.....	T90	Folinic acid (15mg/m ²)		iv/po	bolus				
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DOB						Weight (kg)		Pharmacist: J. Sawyer/O. Okuwa Review by November 16 Version 2			
Consultant						Surface Area (m ²)		Allergies:			
Notes		<ul style="list-style-type: none"> • Check methotrexate levels immediately prior to T96 dose of Folinic Acid. • Continue folinic acid until methotrexate levels <0.05 µmol/L. 									
Day	Time	Drug	Dose	Route	Infusion Duration	Administration Details		Batch No	Nurses Signature	Start Time	Stop Time
Day 13	T96	Folinic acid (15mg/m ²)		iv/po	bolus						
Authorised prescriber on the Trust Intrathecal Register to prescribe Intrathecal Methotrexate 12.5mg on Trust Intrathecal Proforma.											
Day 16	Folinic acid		15mg	po		24 hrs after methotrexate intrathecal dose					
TTO MEDICATION	Drug	Dose	Route	Directions							
	G-CSF (Filgrastim)	300µg	sc	injection daily until neutrophil count is > 1x10 ⁹ /L							
Prescriber's Signature & Date:				Pharmacist's Clinical Screen & Date:				Final release signature & Date:			
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Patient Name Patient Number DOB Consultant	Kent & Medway SACT proforma	Protocol Number HAEM-NHL-008
Notes <ul style="list-style-type: none"> Take methotrexate levels 48 hours after start of Methotrexate infusion and then every 24 hours thereafter until methotrexate level is below 0.05 $\mu\text{mol/L}$. Continue folic acid until methotrexate levels <0.05 $\mu\text{mol/L}$. 	Height (m) Weight (kg) Surface Area (m²)	Authorising Consultant: S. Rassam / J. Lindsay  Pharmacist: J. Sawyer/O. Okuwa Review by November 16 Version 2 Allergies:

CODOX M (3g/m²)
Non-Hodgkin's Lymphoma
Curative / Non-curative / Remission
 Cycle No.....
 (Repeat every 21 - 28 days)
 Length of cycle: 3-4 weeks
 No. cycles: 2-3

Time after starting Methotrexate	Plasma concentration $\mu\text{mol/L}$	Action
48		
72		
96		
120		

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