

Trust location: _____

Patient Details

Forename _____ Surname _____

DOB _____ Patient NO _____ Local No. _____

NHS No _____

Protocol IVE + HDMTX

Course Name: HD MTX 1500mg/m2

Ward _____

SA (m²)
Height (m)
Weight (kg)

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Monitoring	Acceptable Range		Date Due	Date of Test	Value	Checked	Additional Prescribing Notes
							72 hours <2micromol/L 96 hours <0.2micromol/L

Day	Date and Time	Drug and dose (per m2) or dose (per kg)	ACTUAL DOSE	Infusion Fluid and Final Volume	Route	Additives	Time/Infusion Rate	Line	Given/ Checked by	Time Start/ Stop	Comments
1	T=:hrs	SODIUM BICARBONATE POLYFUSOR (102ml)	102 ml	Sodium Bicarb 8.4% 200 ml	IV		Infuse over 6 Hrs at a rate 33 ml/hr		<div><div></div><div>Batch No.</div></div>	<div><div></div><div></div></div>	Minimum of 6 hours of Sod. Bicarb prior to MTX infusion at a rate of 17ml/hr. Run concurrent with pre-hydration.
1	T=:hrs	PRE HYDRATION (Bag 1) (2000ml)		glucose 4%, sod. chlor 0.18% + potassium chlor. 20mmol/Lt 1000 ml	IV		Infuse over 3 Hrs at a rate 333 ml/hr		<div><div></div><div>Batch No.</div></div>	<div><div></div><div></div></div>	Minimum of 6 hours of pre-hydration prior to MTX infusion.
1		PRE HYDRATION (Bag 2)		glucose 4%, sod. chlor 0.18% + potassium chlor. 20mmol/Lt 1000 ml	IV		Infuse over 3 Hrs at a rate 333 ml/hr		<div><div></div><div>Batch No.</div></div>	<div><div></div><div></div></div>	
1	T=:hrs	METHOTREXATE (150mg/m²)	mg	SODIUM CHLORIDE 0.9% 100 ml	IV		Infuse over 1 Hrs at a rate 100 ml/hr		<div><div></div><div>Batch No.</div></div>	<div><div></div><div></div></div>	Do NOT start unless urine pH>7. Run concurrent with hydration Note time MTX started & add date & times to folinic acid on prescription
1	T=:hrs	METHOTREXATE (1350mg/m²)	mg	SODIUM CHLORIDE 0.9% 1000 ml	IV		Infuse over 23 Hrs at a rate 43 ml/hr		<div><div></div><div>Batch No.</div></div>	<div><div></div><div></div></div>	Run concurrent with hydration. MTX should be stopped 24 hours after start of the 1st MTX infusion regardless of the dose given.
1	T=:hrs	SODIUM BICARBONATE POLYFUSOR (192ml)	192 ml	Sodium Bicarb 8.4% 200 ml	IV		Infuse over 24 Hrs at a rate 8.5 ml/hr		<div><div></div><div>Batch No.</div></div>	<div><div></div><div></div></div>	Run at a rate of 8ml/hr increase if required to 12-17ml/hr in order to maintain urine pH between 7-8. Run concurrent with hydration.

Allocated by: _____

Confirmed by: _____

Authorised by: _____

Checked by: (Pharmacist) _____

Date: ____/____/____

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Height (m)
Weight (kg)

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Day	Date and Time	Drug and dose (per m2) or dose (per kg)	ACTUAL DOSE	Infusion Fluid and Final Volume	Route	Additives	Time/Infusion Rate	Line	Given/ Checked by	Time Start/ Stop	Comments
1	T=hrs	SODIUM BICARBONATE POLYFUSOR (0ml)	0 ml	Sodium Bicarb 8.4% 200 ml	IV				<div></div> <div>Batch No.</div>	<div></div>	Use as notes above if needed.
1	T=:hrs	HYDRATION (Bag 1) (4000ml)		glucose 4%, sod. chlor 0.18% + potassium chlor. 20mmol/Lt 1000 ml	IV		Infuse over 6 Hrs at a rate 167 ml/hr		<div></div> <div>Batch No.</div>	<div></div>	Run concurrent with MTX infusion and continue until MTX levels are <0.2micromol/L
1		HYDRATION (Bag 2)		glucose 4%, sod. chlor 0.18% + potassium chlor. 20mmol/Lt 1000 ml	IV		Infuse over 6 Hrs at a rate 167 ml/hr		<div></div> <div>Batch No.</div>	<div></div>	
1		HYDRATION (Bag 3)		glucose 4%, sod. chlor 0.18% + potassium chlor. 20mmol/Lt 1000 ml	IV		Infuse over 6 Hrs at a rate 167 ml/hr		<div></div> <div>Batch No.</div>	<div></div>	
1		HYDRATION (Bag 4)		glucose 4%, sod. chlor 0.18% + potassium chlor. 20mmol/Lt 1000 ml	IV		Infuse over 6 Hrs at a rate 167 ml/hr		<div></div> <div>Batch No.</div>	<div></div>	
2	T=hrs	SODIUM BICARBONATE POLYFUSOR (192ml)	192 ml	Sodium Bicarb 8.4% 200 ml	IV		Infuse over 24 Hrs at a rate 8.5 ml/hr		<div></div> <div>Batch No.</div>	<div></div>	Run at a rate of 8ml/hr increase if required to 12-17ml/hr in order to maintain urine pH between 7-8. Run concurrent with post-hydration.
2	T=hrs	SODIUM BICARBONATE POLYFUSOR (0ml)	0 ml	Sodium Bicarb 8.4% 200 ml	IV				<div></div> <div>Batch No.</div>	<div></div>	Use as notes above if needed.

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2	T=hrs	POSTHYDRATION (Bag 1) (2000ml)		glucose 4%, sod. chlor 0.18% + potassium chlor. 20mmol/Lt 1000 ml	IV		Infuse over 6 Hrs at a rate 167 ml/hr		<div><div></div><div>Batch No.</div></div>	<div><div></div><div></div></div>	Continue until MTX levels are <0.2micromol/L
2		POSTHYDRATION (Bag 2)		glucose 4%, sod. chlor 0.18% + potassium chlor. 20mmol/Lt 1000 ml	IV		Infuse over 6 Hrs at a rate 167 ml/hr		<div><div></div><div>Batch No.</div></div>	<div><div></div><div></div></div>	
2	T=hrs	FOLINIC ACID (15mg/m²)	mg	None	IV		Slow Bolus		<div><div></div><div>Batch No.</div></div>	<div><div></div><div></div></div>	First dose +36hrs after start of MTX infusion.
2	T=hrs	FOLINIC ACID (15mg/m²)	mg	None	IV		Slow Bolus		<div><div></div><div>Batch No.</div></div>	<div><div></div><div></div></div>	+42hrs after start of MTX infusion. Measure MTX level at +48hrs.
2	T=:hrs	POSTHYDRATION (Bag 1) (2000ml)		glucose 4%, sod. chlor 0.18% + potassium chlor. 20mmol/Lt 1000 ml	IV		Infuse over 6 Hrs at a rate 167 ml/hr		<div><div></div><div>Batch No.</div></div>	<div><div></div><div></div></div>	Continue until MTX levels are <0.2micromol/L
2		POSTHYDRATION (Bag 2)		glucose 4%, sod. chlor 0.18% + potassium chlor. 20mmol/Lt 1000 ml	IV		Infuse over 6 Hrs at a rate 167 ml/hr		<div><div></div><div>Batch No.</div></div>	<div><div></div><div></div></div>	
3	T=hrs	FOLINIC ACID (15mg/m²)	mg	None	IV		Slow Bolus		<div><div></div><div>Batch No.</div></div>	<div><div></div><div></div></div>	+48hrs after start of MTX infusion. +48hr MTX level _____

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3	T=hrs	FOLINIC ACID (15mg/m²)	mg	None	IV		Slow Bolus		<div></div> <div>Batch No.</div>	<div></div>	+54hrs after start of MTX infusion.
3	T=hrs	FOLINIC ACID (15mg/m²)	mg	None	IV		Slow Bolus		<div></div> <div>Batch No.</div>	<div></div>	+60hrs after start of MTX infusion.
3	T=hrs	FOLINIC ACID (15mg/m²)	mg	None	IV		Slow Bolus		<div></div> <div>Batch No.</div>	<div></div>	+66hrs after start of MTX infusion. Measure MTX level at +72hrs.
3	T=hrs	SODIUM BICARBONATE POLYFUSOR (192ml)	192 ml	Sodium Bicarb 8.4% 200 ml	IV		Infuse over 24 Hrs at a rate 8.5 ml/hr		<div></div> <div>Batch No.</div>	<div></div>	Run at a rate of 8ml/hr increase if required to 12-17ml/hr in order to maintain urine pH between 7-8. Run concurrent with post-hydration.
3	T=hrs	SODIUM BICARBONATE POLYFUSOR (0ml)	0 ml	Sodium Bicarb 8.4% 200 ml	IV				<div></div> <div>Batch No.</div>	<div></div>	Use as notes above if needed.
3	T=hrs	POSTHYDRATION (Bag 1) (4000ml)		glucose 4%, sod. chlor 0.18% + potassium chlor. 20mmol/Lt 1000 ml	IV		Infuse over 6 Hrs at a rate 167 ml/hr		<div></div> <div>Batch No.</div>	<div></div>	Continue until MTX levels are <0.2micromol/L
3		POSTHYDRATION (Bag 2)		glucose 4%, sod. chlor 0.18% + potassium chlor. 20mmol/Lt 1000 ml	IV		Infuse over 6 Hrs at a rate 167 ml/hr		<div></div> <div>Batch No.</div>	<div></div>	

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Parenteral Cytotoxic Chart

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3		POSTHYDRATION (Bag 3)		glucose 4%, sod. chlor 0.18% + potassium chlor. 20mmol/Lt 1000 ml	IV		Infuse over 6 Hrs at a rate 167 ml/hr		<div><div></div><div>Batch No.</div></div>	<div><div></div><div></div></div>	
3		POSTHYDRATION (Bag 4)		glucose 4%, sod. chlor 0.18% + potassium chlor. 20mmol/Lt 1000 ml	IV		Infuse over 6 Hrs at a rate 167 ml/hr		<div><div></div><div>Batch No.</div></div>	<div><div></div><div></div></div>	
4	T=hrs	FOLINIC ACID (15mg/m²)	mg	None	IV		Slow Bolus		<div><div></div><div>Batch No.</div></div>	<div><div></div><div></div></div>	+72hrs after start of MTX infusion. +72hr MTX level _____
4	T=hrs	FOLINIC ACID (15mg/m²)	mg	None	IV		Slow Bolus		<div><div></div><div>Batch No.</div></div>	<div><div></div><div></div></div>	+78hrs after start of MTX infusion.
4	T=hrs	FOLINIC ACID (15mg/m²)	mg	None	IV		Slow Bolus		<div><div></div><div>Batch No.</div></div>	<div><div></div><div></div></div>	+84hrs after start of MTX infusion.
4	T=hrs	FOLINIC ACID (15mg/m²)	mg	None	IV		Slow Bolus		<div><div></div><div>Batch No.</div></div>	<div><div></div><div></div></div>	+90hrs after start of MTX infusion. Measure MTX level at +96hrs.
4	T=hrs	SODIUM BICARBONATE POLYFUSOR (192ml)	192 ml	Sodium Bicarb 8.4% 200 ml	IV		Infuse over 24 Hrs at a rate 8.5 ml/hr		<div><div></div><div>Batch No.</div></div>	<div><div></div><div></div></div>	Run at a rate of 8ml/hr increase if required to 12-17ml/hr in order to maintain urine pH between 7-8. Run concurrent with post-hydration.

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4	T=hrs	SODIUM BICARBONATE POLYFUSOR (0ml)	0 ml	Sodium Bicarb 8.4% 200 ml	IV				<div></div> Batch No.	<div></div>	Use as notes above if needed.
4	T=hrs	POSTHYDRATION (Bag 1) (4000ml)		glucose 4%, sod. chlor 0.18% + potassium chlor. 20mmol/Lt 1000 ml	IV		Infuse over 6 Hrs at a rate 167 ml/hr		<div></div> Batch No.	<div></div>	Continue until MTX levels are <0.2micromol/L
4		POSTHYDRATION (Bag 2)		glucose 4%, sod. chlor 0.18% + potassium chlor. 20mmol/Lt 1000 ml	IV		Infuse over 6 Hrs at a rate 167 ml/hr		<div></div> Batch No.	<div></div>	
4		POSTHYDRATION (Bag 3)		glucose 4%, sod. chlor 0.18% + potassium chlor. 20mmol/Lt 1000 ml	IV		Infuse over 6 Hrs at a rate 167 ml/hr		<div></div> Batch No.	<div></div>	
4		POSTHYDRATION (Bag 4)		glucose 4%, sod. chlor 0.18% + potassium chlor. 20mmol/Lt 1000 ml	IV		Infuse over 6 Hrs at a rate 167 ml/hr		<div></div> Batch No.	<div></div>	
5	T=hrs	FOLINIC ACID (15mg/m²)	mg	None	IV		Slow Bolus		<div></div> Batch No.	<div></div>	+96hrs after start of MTX infusion. +96hr MTX level _____

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