Indication	Newly diagnosed acute myeloid leukaemia (AML) that is secondary to therapy or				
	myelodysplasia or chronic myelomonocytic leukaemia in line with commissioning criteria.				
Treatment	Curative				
Intent					
Frequency and	Induction- up to 2 cycles: A second cycle of induction may be administered in patients who				
number of	do not show disease progression or unacceptable toxicity. The attainment of a normal-				
cycles	appearing bone marrow may require more than one induction course. Evaluation of the				
	bone marrow following recovery from the previous course of induction therapy determines				
	whether a further course of induction is required.				
	Canadidation up to 3 avalor. First canadidation starts F. O. vendo after the date				
	Consolidation- up to 2 cycles: First consolidation starts 5-8 weeks after the start of the last				
	induction in patients achieving remission and with neuts >0.5 x 10 ⁹ /L and PLT >50 x 10 ⁹ /L.				
	Administer the second cycle of consolidation 5 to 8 weeks after the start of the first				
	consolidation cycle in patients who do not show disease progression or unacceptable toxicity.				
	toxicity.				
	NB: Liposomal cytarabine and daunorubicin is exempt from the NHS England Treatment				
	Break policy.				
Monitoring	ECG baseline and every cycle.				
Parameters	MUGA or ECHO baseline for patients at high risk of cardiac toxicity.				
pre-treatment	LFTs, FBC and U&Es before start of treatment and prior to each DOSE of Vyxeos®.				
	Prior to 1 st consolidation treatment ensure neuts >0.5 x 10 ⁹ /L and PLT >50 x 10 ⁹ /L.				
	Renal Impairment: no dose modification in mild to moderate renal impairment				
	(CrCl 30-89ml/min). No data in patients with CrCl <30ml/min.				
	Hepatic Impairment: no dose modification for patients with a bilirubin				
	\leq 50 μ mol/L. No data in patients with bilirubin > 50 μ mol/L.				
	Cardiotoxicity: Treatment should be discontinued in patients with signs of				
	cardiomyopathy unless the benefit of initiating or continuing treatment outweighs				
	the risk.				
	• Severe myelosuppression: Due to the long plasma half-life of Vyxeos®, time to				
	recovery of ANC and platelets may be prolonged and require additional				
	monitoring.				
	Haemorrhage: Haemorrhagic events have been reported due to prolonged severe				
	thrombocytopenia. Monitor blood counts regularly until recovery, and administer				
	platelet transfusion support as required.				
	Hypersensitivity reactions: For hypersensitivity reactions of any grade/severity,				
	interrupt Vyxeos® infusion immediately and manage symptoms. Reduce the rate of				
	infusion or discontinue treatment as outlined below:				
	Mild symptoms: If a mild reaction occurs, stop treatment and monitor. Administer				
	chlorphenamine 10mg IV and dexamethasone 10mg IV. When symptoms have				
	resolved restart at half the infusion rate. Moderate symptoms: If a moderate reaction assure, step treatment and monitor				
	Moderate symptoms: If a moderate reaction occurs, stop treatment and monitor. Administer chlorphenamine 10mg IV and dexamethasone 10mg IV. Do not restart				
	infusion. When the patient is re-treated, give at the same dose and rate with				
	premedication.				
	Severe/life-threatening symptoms: If a severe or life-threatening hypersensitivity				
	reaction occurs, discontinue permanently, administer chlorphenamine 10mg IV				
	reaction occars, aiscontinue permanentry, autimister emorphenanine foring iv				

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version			M.Capomir	
Date	22/11/2018	Authorising consultant (usually NOG Chair)	K.Yip	

	 and dexamethasone 10mg IV (and epinephrine and bronchodilators as needed) and monitor until symptoms resolve. Blood uric acid levels should be monitored and appropriate therapy initiated in the event that hyperuricemia develops. Vyxeos has a different posology than daunorubicin injection and cytarabine injection and it must not be interchanged with other daunorubicin and/or cytarabine containing products. The medicinal product name and dose should be verified prior to administration to avoid dosing errors. Each vial contains 100mg copper gluconate – caution in patients with a history of Wilson's disease (or other copper related disorder). Caution is recommended when driving or operating machines. Missed Doses of Vyxeos : If a planned dose of Vyxeos is missed, administer the dose as soon as possible and adjust the dosing schedule accordingly, maintaining the treatment interval.
References	SPC accessed online 12/11/2018 https://vyxeospro.com/support-materials/

NB For funding information, refer to the SACT funding spreadsheet

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Induction 1

Day	Drug	Dose	Route	Infusion Duration	Administration
1,3 & 5	Ondansetron	8mg	РО		BD
1,3 & 5	Vyxeos® Liposomal daunorubicin/cytarabine	Daunorubicin 44 mg/m ² Cytarabine 100 mg/ m ²	IV	90 minutes	500 mL of 0.9% sodium chloride. Do not use an in-line filter.
TTO	Drug	Dose	Route		Directions
To be given at induction 1 only	Allopurinol	300mg	F	PO	OD Review after 4 weeks. Adjust dose in renal impairment
	Aciclovir	400mg	F	00	Twice daily
	Chlorhexidine mouthwash	10ml	N	1W	Four times daily for 4 weeks OR stop after neutrophils > 1.0
	Prescribe anti-fungals				

Induction 2

Day	Drug	Dose	Route	Infusion	Administration
				Duration	
1 & 3	Ondansetron	8mg	РО		BD
1 & 3	Vyxeos® Liposomal daunorubicin/cytarabine	Daunorubicin 44 mg/m ² Cytarabine 100 mg/m ²	IV	90 minutes	500 mL of 0.9% sodium chloride. Do not use an in-line filter.
TTO	Drug	Dose	Route		Directions
	Aciclovir	400mg	ŀ	20	Twice daily
	Chlorhexidine mouthwash	10ml	N	1W	Four times daily for 4 weeks OR stop after neutrophils > 1.0
	Prescribe anti-fungals				

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Consolidation for a maximum of 2 cycles.

Day	Drug	Dose	Route	Infusion Duration	Administration
1 & 3	Ondansetron	8mg	PO		BD
1 & 3	Vyxeos® Liposomal daunorubicin/cytarabine	Daunorubicin 29 mg/m ² Cytarabine 65mg/ m ²	IV	90 minutes	500 mL of 0.9% sodium chloride. Do not use an in-line filter.
TTO	Drug	Dose	Route		Directions
	Aciclovir	400mg	F	0.0	Twice daily
	Chlorhexidine mouthwash	10ml	N	1W	Four times daily for 4 weeks OR stop after neutrophils > 1.0
	Prescribe anti-fungals				

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