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Haematologist	Dr C Gr	egory	Phari	macist	K Moss		Nurse Specia	list J Banks	
Name DOB Hospital No. Consultant Allergies							Allergies		

Indication	Treatment of adult patients who have Acute Myeloid Leukaemia and are haematopoietic stem cell transplantation.	not eligible for
Pre-treatment	Mandatory Fields: (Incomplete fields can result in delayed trea	atment)
evaluation	Height (cm)	,
checklist	Weight (kg)	
	Surface Area DuBois (m ²); if adjusted state SA used to dose	
	WHO Performance	
	Testing for Hepatitis B, Hepatitis C and HIV	Date
	Baseline bloods requested (see below)	
	Sperm banking or oocyte/embryo preservation must be	
	offered to males <55yrs and pre-menopausal women	
	concerned about fertility	
	Consented by:	Date
	Provide contact details for Clinical Nurse Specialist for	
	further information	
	Allopurinol prescribed to start 3 days prior to venetoclax	
	Complete Current Medication List and discontinue any	
	inappropriate medication (e.g. immunosuppressive drugs)	
	Dose modifications considered. Details:	
	Cancer care suite informed for date	Date
	Arrangements made to discuss at MDT	Date
	Patient given blood form for at least 1 week prior to chemotherapy	
	CDF completed	
	All patients should have white blood cell count <25 × 109/I	
	prior to initiation of venetoclax and cytoreduction prior to	
	treatment may be required.	
	Consultant / Speciality Doctor Signature Date	
Baseline Blood Tests	FBC, U&E, Bone, LFT, eGFR, Urate, LDH and Sodium Bicarbonate leve	ls
Bloods Prior to each cycle	FBC, U&E, Bone, LFT	

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Current Medication List	

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	Dose Banding											
agent.												
After calculating E	Body S	urface	Area u	se this	chart t	o work o	out the c	orrect de	ose to p	orescrib	e:	
					BSA	A (m²)						
Chemotherapy	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
	Azacitidine (75mg/m ²)											
100%	100% 100 110 110 120 130 140 140 150 160 160 180 180											
50%	55	55	55	60	65	70	70	75	80	80	90	90

Drug Regimen							
Day	Drug	Dose	Route	Comments			
1	Venetoclax	100mg	PO	Monitor U&Es, LFTs and Bone Profile fo			
2	Venetoclax	200mg	PO	Tumour Lysis Syndrome at pre-dose, 6 to 8 hours after each new dose during titration and 24 hours after reaching final			
3+	Venetoclax	400mg	PO	dose.			
Days 1 to 5 then 8 and 9	Azacitidine	75mg/m²	SC	Total 7 doses See below			

1. Inject Azacitidine subcutaneously into upper arm, thigh or abdomen.

2. Injection sites should be rotated.

3. New injections should be given at least 2.5cm from the previous site and never into areas where the site is tender, bruised, red or hardened.

4. Doses > 4ml should be equally divided into 2 syringes and injected into two separate sites.

 After removal from the refrigerated conditions, it should be allowed up to 30min prior to administration to reach a temperature of about 20-25∘C. If the elapsed time is > 30minutes, the suspension should be discarded and a new dose prepared.

6. The contents of the syringe must be re-suspended by rolling the syringe between palms of hands to ensure uniform cloudy suspension before administration

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Cycle frequency	Repeat every 28 days for a minimum of 6 cycles and should be continued as long as the patient continues to benefit or until disease progression. Grade 4 non-haematological toxicity - discontinue treatment.
Medication Concurrent	Ondansetron 8mg 8 hourly 10 days PRN Allopurinol 300mg OD (reduce to 100mg od if creatinine clearance < 20ml/min) for first two cycles Aciclovir (oral) 400mg BD consider if previous history of VZV or HSV reactivation If allergic/ intolerant to any of the above named drug for discuss with consultant for an alternative

Toxicity See SPC for full listings	Frequencies are defined as: uncommon (1/1,000 to < 1/	very common (1/10), commo 100)	on (1/100 to < 1/10);		
	System Organ Class	Very common	Common		
	Infections	pneumonia	Neutropaenic sepsis, upper respiratory tract infection, urinary tract infection sinusitis, pharyngitis , rhinitis, herpes simplex		
	Blood and lymphatic system disorders	febrile neutropaenia			
	Nervous system disorders	dizziness, headache			
	Respiratory	dyspnoea	dyspnoea exertional, pharyngolaryngeal pain		
	Gastrointestinal disorders	diarrhoea, vomiting, constipation, nausea, abdominal pain	gastrointestinal haemorrhage, haemorrhoidal haemorrhage, stomatitis, gingival bleeding, dyspepsia		
	Skin and subcutaneous tissue disorders	petechiae, pruritus, rash, ecchymosis	purpura, alopecia, erythema, rash macular		
	General disorders	fatigue, pyrexia, chest pain, injection site erythema, injection site pain, injection site reaction	Injection site : bruising, haematoma, induration, rash, pruritus, inflammation, discoloration, nodule and haemorrhage		

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Dose modifications									
Hepatic	No formal studies have been conducted in patients with hepatic impairment.								
	Azacitidine is contraindicated	d in patients with advanced ma	alignant hepatic tumours.						
	Dose modifications are at cli lab values.	Dose modifications are at clinician's discretion and should be based on haematological lab values.							
Renal	No formal studies have been conducted in patients with impaired renal function. No specific modification of the starting dose is recommended in patients with renal impairment prior to starting treatment. If unexplained elevations in serum creatinine or urea to ≥2 fold above baseline values or above ULN occur, the next cycle should be delayed until values return to normal or baseline and the dose should be reduced by 50% on the next treatment cycle.								
Haematological	Venetoclax								
	Adverse Reaction	Occurrence	Dosage Modification						
	Ha	aematological Adverse Reaction	ons						
	Grade 4 neutropenia (ANC < 500/microlitre) with or without fever or infection; or grade 4 thrombocytopenia (platelet count <25 × 103/microlitre)	Occurrence prior to achieving remission ^a	In most instances, do not interrupt venetoclax in combination with azacitidine or decitabine or low dose cytarabine due to cytopenias prior to achieving remission.						

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First occurrence after achieving remission and lasting at least 7 days	Delay subsequent cycle of venetoclax in combination with azacitidine or decitabine or low dose cytarabine and monitor blood counts. Administer granulocyte-colony stimulating factor (G-CSF) if clinically indicated for neutropenia. Upon resolution to grade 1 or 2, resume venetoclax at the same dose in combination with azacitidine or decitabine or low dose cytarabine.
Subsequent occurrences in cycles after achieving remission and lasting 7 days or longer	Delay subsequent cycle of venetoclax in combination with azacitidine or decitabine or low dose cytarabine and monitor blood counts. Administer G-CSF if clinically indicated for neutropenia. Upon resolution to grade 1 or 2, resume venetoclax at the same dose in combination with azacitidine or decitabine or low dose cytarabine, and reduce venetoclax duration by 7 days during each of the subsequent cycles, such as 21 days instead of 28 days. Refer to the azacitidine prescribing information for additional information.
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Grade 3 or 4 non- hematologic toxicities	Any occurrence	Interrupt venetoclax if not resolved with supportive care.
		Upon resolution to grade 1 or baseline level, resume venetoclax at the same dose.
^a Consider bone marrow eval	uation.	
CYP3A Inhibitor Dose Mod	ifications	
managing drug-drug interact monitored more closely for s adjusted. The venetoclax do should be resumed 2 to 3 da	nibitor must be used, follow the ions summarized in Table belo igns of toxicities and the dose se that was used prior to initial ys after discontinuation of the netoclax interactions with CYP	ow. Patients should be may need to be further ting the CYP3A inhibitor inhibitor.
Inhibitor	Phase	AML Dosing
Strong CYP3A Inhibitor	Initiation and dose-titration	Day 1 – 10 mg
	phase	
	phase	Day 2 – 20 mg
	pnase	Day 2 – 20 mg Day 3 – 50 mg
	pnase	
	Steady daily dose (After dose-titration phase)	Day 3 – 50 mg
Moderate CYP3A Inhibitor ^a	Steady daily dose (After	Day 3 – 50 mg Day 4 – 100 mg or less Reduce the venetoclax dose to 100 mg or less (or by at least 75% if already

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Azacitidine			
Haematological toxicity is of platelets $\leq 50 \times 10^9$ /l and/o			
Recovery is defined as an observed of at least half of count (i.e. blood count at re count]).	the difference o	of nadir and the base	eline count plus the nadir
Patients without reduced 3.0×10^9 /I and ANC ≥ 1.5 treatment			
If haematological toxicity observed due to Azacitidine	delay next cyc recovered	le until the platelet	count and the ANC have
If recovery is achieved within 14 days	no dose adjus	tment is necessary	
If recovery has not been	dose should be	e reduced according	gly:
achieved within 14 days	Nadir Counts	-	% Dose in the next
	ANC (x10 ⁹ /l)	Platelets(x10 ⁹ /l)	cycle, if recovery* is not achieved within 14 days ANC (x10 ⁹ /l)
	≤ 1.0	≤50	≤ 1.0
	>1.0	>50	>1.0
Following dose modifications	the cycle durat	tion should return to	o 28 days
*Recovery = counts ≥ Na	dir count + (0.5	x [Baseline count	– Nadir count])
Patients with reduced ba			
(i.e. WBC < 3.0 x 10 ⁹ /l or A treatment)	NC < 1.5 x 10 ⁹ /I	l or platelets < 75 x	10 ⁹ /l) prior to the first
If the decrease in WBC or a platelets from that prior to t less than 50 % or greater t with an improvement in any differentiation	reatment is han 50 % but	The next cycle sho no dose adjustme	ould not be delayed and nt made.

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	If the decrease in WBC or ANC or platelets is greater than 50 % from that prior to treatment, with no improvement in cell line differentiation,	The next cycle of Azacitidine therapy should be delayed until the platelet count and the ANC have recovered
	If recovery is achieved within 14 days	no dose adjustment is necessary
	if recovery has not been achieved within 14 days	bone marrow cellularity should be determined Consultant Decision. Refer to SPC for further information
	Following dose modifications	the cycle duration should return to 28 days
References	Azacitidine SPC: https://www.medicines.or 20/07/2020	g.uk/emc/medicine/21508 Updated
	Venetoclax SPC: https://www.medicines.or 03/11/2022	g.uk/emc/product/10476/smpc Updated
	NICE Technology Appraisal Guidance [TA] https://www.nice.org.uk/guidance/ta765/ch	

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Name of Pro	ncoduro				-	ousness not impaired)
(Include brief e		medical term n	ot clear)	(þi	ocedure where consci	ousness not impaired)
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Azacitidine ar				lin hy health	professional with appro	prioto knowladza of
proposed proc				i in by nealth j	professional with appro	phale knowledge of
	•		,	narticular I	have explained:	
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l have also di	scussed what	at the proced	ure is likel	, to involve		
1 110 0 0150 01				v to involve	the henefits and risk	s of any available
alternative tre	<i>auncius mi</i>	cludina no tre	atment) ar		the benefits and risk ular concerns of tho	
		-		nd any partic	ular concerns of tho	se involved.
□ The fol	lowing leaf	let has been	provided	nd any partic : Azacitidine	eular concerns of those and Venetoclax info	se involved. prmation leaflets
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I agree to the procedure described above.

I understand that you cannot give me a guarantee that a particular person will perform the procedure. The person will, however, have appropriate experience. I understand that the procedure will not involve local anaesthesia.

Signed:_____

Date:_____ Name (PRINT)_____

Confirmation of consent (to be completed by a health professional when the patient is admitted for the procedure, if the patient has signed the form in advance)

I have confirmed that the patient has no further ques	stions and wishes the procedure to go ahead.
Signed:	Date:

Name (PRINT):_____ Job Title:

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Azacitidine and Statement of proposed procedu	health pr	ofessiona	(to be filled in b	by health	orofessional w	vith appro	priate knowledge of
I have explained	d the proce	edure to the	patient. In par	ticular. I	have explain	ed:	
Potentially perm	quently oc	curring ris	ks: Life threate	ening infe	ections, bleed	ding and	
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Signed:	Date:

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