

Clozapine Cardiac Guidelines

Baseline	Prior to Clozapine therapy	Troponin T or I	High sensitivity test preferred			
		hs-CRP	High sensitivity c-reactive protein test			
		Echocardiography	Highly desirable, Mandatory for community starts			
		ECG				
During Clozapine Therapy	First 28 days	At all times	Educate participants and carers to report flu-like symptoms, GI upsets, dizziness or chest pain			
		Once a day	Measure body temperature at the same time each day			
	During Initiation (First 18 weeks)	Days 7, 14, 21 and 28, week 12 then annual review	Troponin T or I, hs-CRP, ECG (except day 21) Pulse, Blood Pressure, Respiratory Rate			
			If at any time	Temperature >38°C or flu-like symptoms	Immediate hs-CRP, troponin and CBE.	Continue clozapine at current dose. Do not escalate until features normalise
				Troponin >60ng/L and hs-CRP elevated	Urgent transfer to Emergency department. Urgent cardiology consultation – query myocarditis. Urgent echocardiography.	Withhold Clozapine
				Troponin >60ng/L and normal hs-CRP	Urgent transfer to Emergency Department. Urgent cardiology consultation – query acute coronary syndrome (ACS).	Continue clozapine at current dose. Do not escalate until features normalise
	Troponin 30-60ng/L and elevated hs-CRP	Daily assess troponin, hs-CRP and symptoms until features normalise. If no progressive elevation, consider differential diagnosis and cardiology consultation.	Continue clozapine at current dose. Do not escalate until features normalise			
	Annually		Troponin T or I	High sensitivity test preferred		
			hs-CRP	High sensitivity c-reactive protein test		
			Echocardiography			
ECG						

Not all pre-existing cardiac abnormalities preclude clozapine treatment. Consult a cardiologist if abnormalities are detected

NB: with the change to a more sensitive troponin T assay range (13ng/L for females and 17ng/L for males) consideration as to whether cases of myocarditis would be missed has been given. SA Pathology still consider that a troponin T >30ng/L is appropriate for an action point for a value 1-2 times the upper level of normal and troponin T >60ng/L is appropriate for an action point for a value 2 times the upper level of normal.

Adapted with consent from Clozaril Protocol CPMS- V5 30 Sept 2019