All reactions grade 1 or above should be discussed with a Consultant Haematologist. For patients requiring ITU input: Registrar Bleep #702 Outreach Nurses Bleep #421/422 Neurology Team bleep			
Presenting Symptoms	Initial management	Ongoing management	
	Grade 1 and Grade 2 ICANS- Inform ICU and Consider Transf	fer	
Grade 1: ICE score 7–9 Awakens Spontaneously Grade 2: ICE score 3–6 Awakens to voice	 Interrupt bispecific infusion (if running) Vigilant supportive care; aspiration precautions; IV hydration Withhold oral intake of food, medicines and fluids and assess swallowing. Liaise with pharmacist for medicines that need converting from oral preparations. Avoid sedating medications Initiate regular neurological observations every 4 hourly ICE score TDS- QDS Initiate consultation with a neurologist Consider non-sedating, anti-seizure medicinal products (Levetiracetam IV 500mg BD, or up to 2000 mg BD) Consider Dexamethasone IV 10 mg every 6 hours until symptom resolution, then taper. Consider Tocilizumab, if neurotoxicity is associated with CRS. If ICANS persistent (>48 hours), consider Anakinra 	 Early EEG ideally within 24 hours, repeated if condition deteriorates Fundoscopic exam to assess for papilloedema Consider MRI brain and CT brain; diagnostic LP including opening pressure; MRI spine if focal neurological deficits; CT brain can be performed if MRI brain not feasible Consider antifungal prophylaxis in patients receiving steroids 	
	Grade 3 ICANS (Medical Emergency) – Transfer to ICU		
ICE score 0–2 Awakens only to tactile stimulus Clinical seizures that resolve rapidly or non-convulsive seizures on EEG that resolve with intervention	 Supportive care, treatment and neurological work-up as indicated for Grade 1 and Grade 2 ICANS For steroid treatment, consider methylprednisolone 1mg/kg IV every 12 hours. Taper when symptoms improve. 	 Repeat MRI brain for refractory or worsening ICANS For first occurrence of Grade 3 ICANS, bispecific may be re-introduced once symptoms have resolved according to protocol (Discuss with Consultant Haematologist) For recurrent Grade 3 ICANS, discontinue 	
Focal cerebral oedema on imaging		bispecific therapy permanently	

Grade 4 ICANS (Medical Emergency) – Transfer to ICU			
ICE score 0			
Un-rousable	 Supportive care, treatment and neurological work-up as indicated for Grade 1 and Grade 2 ICANS For steroid treatment, consider methylprednisolone 1000 mg IV OD 	 Consider repeat neuroimaging every 2-3 days for persistent ICANS Permanently discontinue bispecific therapy 	
Prolonged (>5 minutes) or frequent seizures	 for 3 days. Taper when symptoms improve. May consider Intrathecal steroids or lymphodepleting drugs such as cyclophosphamide or other drugs if unresponsive to standard 		
Motor weakness	immunosuppressive therapies such as AnakinraConsider hyperosmolar therapy with mannitol		
Diffuse cerebral oedema on imaging or symptoms of oedema			

ICE Assessment Tool		
Question	Points	
What year is it?	1	
Which month is it?	1	
Which city/town are we in?	1	
Which hospital are we in?	1	
Follow an instruction e.g.	1	
touch your nose		
Name 3 objects (point to	3	
three different objects)		
Write a sentence	1	
Count backwards from 100	1	
in 10's		