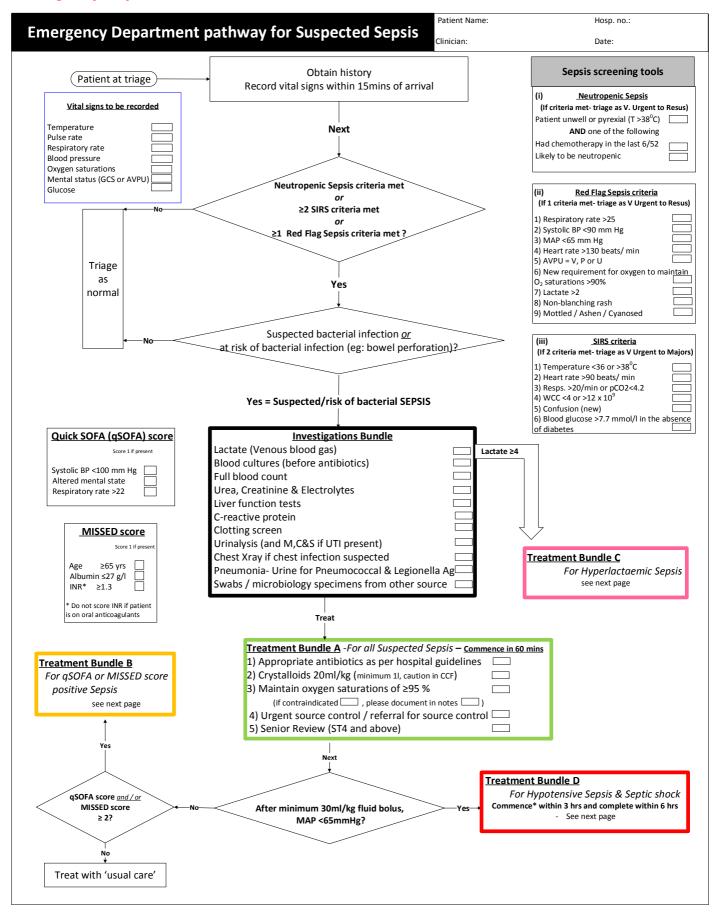
Emergency Department





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Treatment Bundle B - for qSOFA or	Treatment Bundle C - for Hyperlactaemic Sepsis						
MISSED score positive Sepsis	· //						
	1) Complete Treatment Bundle A						
1) Complete Treatment Bundle A	2) Minimum 30ml/kg crystalloid						
2) Record fluid balance	Re-measure lactate Record fluid balance						
Goals:	4) Necord fluid balance						
i)MAP ≥65 mmHg	Goals:						
ii)Urine output > 0.5ml/kg/hr	i) Lactate reduction: 10% in 2 hrs						
	or 36% in 6 hrs						
If lactate ≥4, complete Treatment Bundle C.	ii) MAP ≥65 mmHg						
If MAP <65 mm Hg, complete Treatment Bundle D.	ent Bundle D. iii) Urine output >0.5ml/kg/hr If above goals are not achieved, consider Care Bundle D and referral to ICU.						
	in above goals are not define ear, consider care bandle b and referral to less.						
Treatment Bundle D - for Hypotensive Sepsis & Septic shock Commence** within 3 hrs & complete within 6 hours							
Actions Goals to be achieved in 6 hours							
1) Commence high flow oxygen	i) Peripheral oxygen saturation >95%						
2) Insert urinary catheter	ii) Urine output >0.5ml/kg/min						
3) Continue IV fluids (Crystalloids)	iii) Lactate <2 mmol/l						
4) Record fluid balance	iv) Hb ≥ 70g/l						
5) Insert central line (IJ or subclavian)	v) CVP ≥ 8cm						
6) Measure ScvO ₂							
	vi) ScvO₂ ≥70%						
7) Insert arterial line	vii) MAP 65- 70 mm Hg						
8) Start Noradrenaline infusion @ 0.1mcg/kg/min and titrate to target MAP							
9) If hypotension resistant to Norad., give hydrocortisone 50-100 mg bolus							
If any of the above goals are not achieved or continued vasopressor treatment or respiratory support required, refer to ICU.							
** If commencing Care Bundle D is not appropriate, set ceiling / goals of care, and if appropriate, complete a DNAR form.							
Glossary:							
Suspected bacterial infection= Presence of symptoms & signs consistent with a bacterial infection							
Suspected Sepsis = Presence of Suspected bacterial infection + 2 SIRS criteria OR 1 Red flag sepsis criteria							
Sepsis = An increase in SOFA score of ≥2 caused by sepsis (for SOFA score see chart below)							

Sequential Organ Failure Assessment (SOFA) Score						
System / Score	0	1	2	3	4	
Respiratory PaO ₂ /FiO ₂ (kPa)	≥ 53.3	<53.3	<40	<26.7 with resp. support	<13.3 with resp. support	
Coagulation Platelets	≥ 150	<150	<100	<50	<20	
Liver Bilirubin	<20	20-32	33-101	102-204	>204	
Cardiovascular MAP mmHg *mcg/kg/min	MAP ≥ 70 mmHg	MAP <70 mmHg	Dopamine <5 or Dobutamine any dose	Dopamine 5.1-15 or Adren. ≤0.1 * or Norad.≤0.1*	Dopamine >15 or Adren. >0.1 * or Norad. >0.1 *	
CNS GCS	15	13-14	10 - 12	6 - 9	<6	
Renal Creatinine	<110	110-170	171-299	300-440	>440	
Urine output (ml / day)				<500	<200	

Septic shock = Requirement of vasopressors to maintain MAP≥65 mmHg AND lactate >2mmol/l

SOFA score: Usual SOFA score: Change in SOFA score: Presumed source: