

Victorian Maternal Sepsis Pathway

Use for **all pregnant women and up to six weeks post-partum**, including any perinatal loss.

1. Could it be Sepsis?

RECOGNISE

Does your patient have a known or suspected infection?

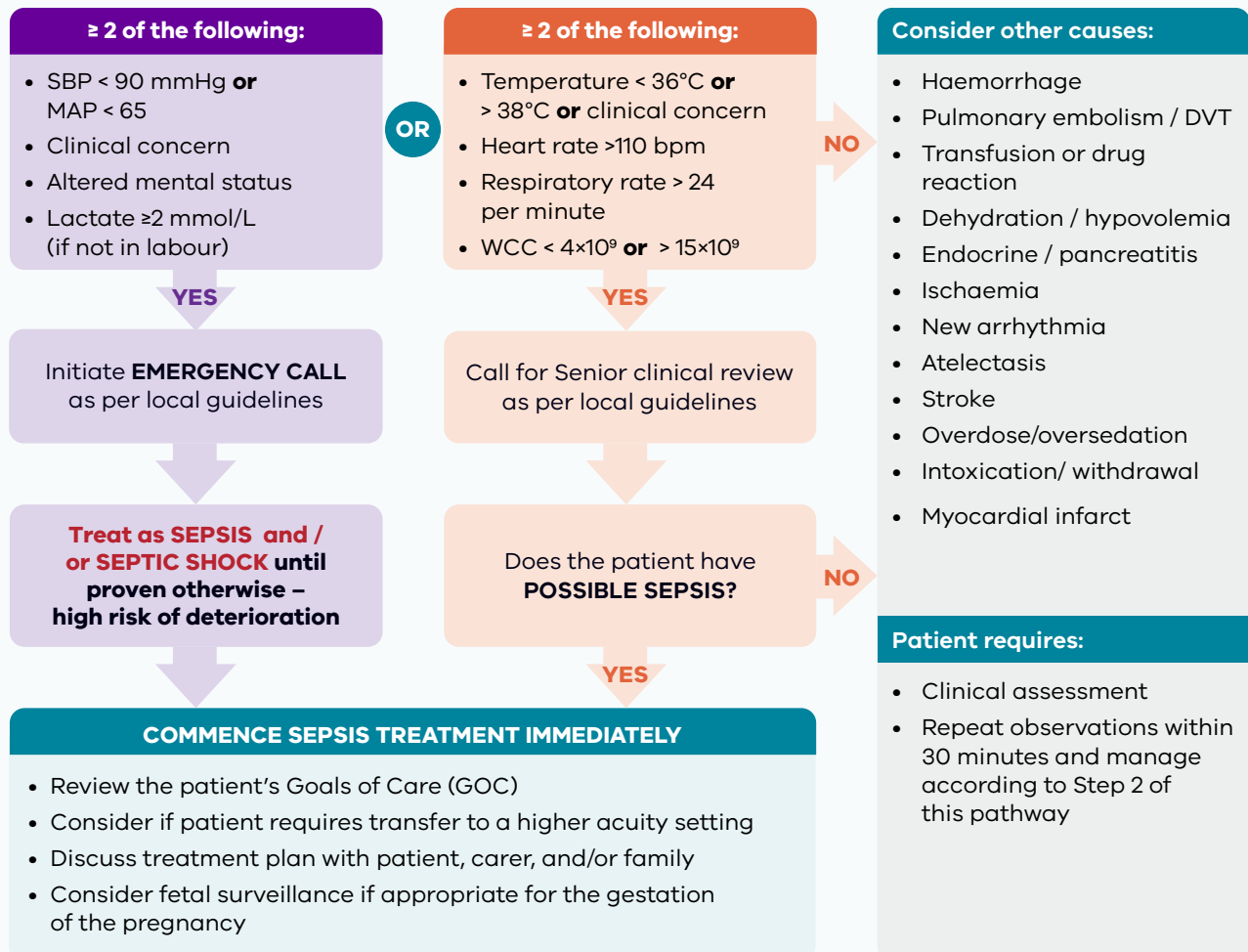
- Systemic:** history of fevers or rigors, myalgias or recent infection (e.g. breast infection, mastitis, gastro)
- Obstetric:** possible intrauterine infection involving membranes or placenta, premature rupture of membranes, prolonged labour, retained product
- Fetal:** fetal tachycardia/demise
- Genitourinary:** dysuria, anuria, or frequency
- Respiratory:** cough, shortness of breath
- Abdominal:** pain, peritonism, diarrhoea or vomiting
- CNS:** headache, altered conscious state/decreased mental alertness, neck stiffness
- Skin:** cellulitis, wound, petechial rash, cool peripheries

AND/OR any of the following increase risk factors?

- Recent surgery or invasive procedure
- Aboriginal and Torres Strait Islander people
- On immunosuppressive treatment
- Patient, carer or family concern
- Re-presentation within 48 hours or deterioration
- Neutropenia
- Close contact with unwell children/household members

2. Does your patient have abnormal vital signs?

RESUSCITATE & REFER



3. Six key actions in 60 minutes

1. Oxygen administration
2. Two sets of blood cultures
3. Venous blood lactate
4. Fluid resuscitation
5. Intravenous antibiotics*
6. Monitoring observations and fluid balance

* Antibiotics should be administered within 60 minutes.

** Cancer patients currently undergoing systemic chemotherapy require first antibiotics within 30 minutes.

4. Document and monitor *(continued on next page)*

Sepsis pathway commenced?	Name/Designation:	
	Date/Time:	Initials:
	Triage Category:	Time:
Has the goals of care/ACP/resuscitation options been completed?	☐ Yes ☐ No	Initials:
Has the diagnosis and treatment plan been discussed with the patient, carer, or family member?	☐ Yes ☐ No	Initials:

FIRST 30 MINUTES FROM PRESENTING SIGNS/SYMPTOMS	Key Actions (including the fetal/baby wellbeing as relevant)			
	Senior medical review <i>(Name/Designation)</i>		Time:	Initials:
	Fetal surveillance if appropriate for the gestation of the pregnancy		Time:	Initials:
	Consider urgent birth if chorioamnionitis is suspected. At pre- or peri-viable gestations, delivery may be required for maternal wellbeing.			
	Oxygen administration	☐ Aim SpO ₂ > 95% (or 88–92% for COPD and chronic type II respiratory failure)	Time:	Initials:
	Ensure IV Access:	2x large bore peripheral cannula available for fluid bolus, OR access to a suitable central venous access device (CVAD)		
	Blood cultures	☐ Two sets of blood cultures (2 peripheral – can be from same site; or 1 peripheral and 1 from CVAD lumen)	Time:	Initials:
	Lactate	☐ Venous blood lactate	Level:	Time: Initials:
	Pathology - Collect FBC, UEC, CRP, LFTs, coags and BSL (BSL >7.7mmol/L in absence of diabetes may be significant) - Consider cross match if patient at risk of anaemia or known recent surgery			
	DO NOT WAIT for test results. Commence fluid resuscitation and antibiotics ASAP			
Fluid resuscitate If hypotensive (SBP < 90mmHg) or lactate ≥2mmol/L	Fluids must have medical officer authorisation and be prescribed on the IV Therapy Chart			
	Give RAPID fluid bolus STAT. 500 mL 0.9% sodium chloride or Hartmann's*			
	☐ First bolus required and given	Time given:	Initials:	
	If hypotension persists after the initial fluid resuscitation, administer second fluid bolus			
	☐ Second bolus required and given Caution if signs of pulmonary oedema, history of cardiac dysfunction	Time given:	Initials:	
* Antibiotics MUST NOT be administered concurrently with Hartmann's. Flush with compatible fluid before and after. Consider IDC and maintain strict fluid balance chart.				
If blood pressure does not improve after fluid boluses ESCALATE care and consider inotropes				

4. Document and monitor (continued from previous page)

FIRST 60 MINUTES FROM PRESENTING SIGNS/SYMPTOMS	Clinically examine the patient for a focus of infection, e.g. chest, urinary tract			
	Check the patient's ALLERGY STATUS	- No penicillin allergy - Non-life threatening penicillin allergy (e.g. rash) - Life-threatening penicillin allergy (e.g. anaphylaxis)	Record antibiotic allergy and reaction:	Initials:
	For SUSPECTED, KNOWN OR UNKNOWN infection refer to local antimicrobial policy			
	Antibiotics must be prescribed on a medication chart by a medical/nurse practitioner			
FIRST 6 HOURS	Administer antibiotics*		Time prescribed:	Initials:
	* Antibiotics should be administered within 60 minutes. Cancer patients currently undergoing systemic chemotherapy require first antibiotic within 30 minutes.		Time given:	
	Steroids	Consider hydrocortisone if patient taking corticosteroids or known/suspected steroid deficiency. If pre-term birth is likely, give corticosteroids according to local protocol. Maternal health is the priority rather than fetal lung maturity.	Time prescribed:	Initials:
			Time given:	
FIRST 6 HOURS	Ongoing Care			
	Source control	ALWAYS CONSIDER THE NEED FOR SOURCE CONTROL. Refer to obstetric teams early.		Time:
	Investigation	- Diagnostic Imaging - Urine MSU (or CSU) for MCS - Nasal/throat swab for respiratory multiplex PCR including COVID-19	- High vaginal swab (HVS) /low vaginal swab(LVS) for MCS - Cultures from lumens of central lines - Breast milk MCS if breastfeeding	- Sputum for MCS - Wound swab for MCS - Stool for C. difficile testing (if diarrhoea present)
	Monitoring	Assess for deterioration which may include one or more of the following:		
	- Keep oxygen saturation > 95% - Increasing respiratory rate (in orange or purple zone on observation chart) - SBP < 100 mmHG - Decreased or no improvement in consciousness	- Urine output <20 mL/hr and/or 0.5mL/kg/hr - If lactate ≥2mmol/L or rising, repeat in 2 hours		
	If pathway is no longer indicated, document in medical records		Time:	Initials: