Emergency department & general floor sepsis algorithm

Begin at triage using adult ED seeing sepsis screening tool

Suspected infection and two more SIRS criteria?

SIRS criteria
Temperature ≥ **100** or ≤ 96.8
Pulse > **100** beats/min
SBP < **100** mmHg or > 40 mmHg from baseline
Respiratory rate > 20/SpO$_2$ < 90%
Altered mental status

Early detection tool 100-100-100

Yes → **Positive screen for sepsis**

No → **Negative screen for sepsis**

Triage level 1 or 2

Notify physician and begin severe sepsis/septic shock /seeing screening tool

Proceed with:
- Cardiac monitor
- BP, RR, pulse, MAP q15 and temp hourly until stable
- Continuous oximetry
- Oxygen to maintain SpO$_2$ > 90%
- Establish at least one large bore IV line
- Obtain BC, UA/UC, CBC with diff, lactate
- Anticipate severe sepsis bundle orders

3-hour bundle
1) Measure lactate level
2) Obtain blood cultures prior to administration of antibiotics
3) Administer broad spectrum antibiotics
4) Administer 30 ml/kg crystalloid for hypotension or lactate ≥ 4 mmol/L

Rapid response team

Begin transfer trigger tool

Transfer trigger tool
Lactate > 4 mmol/L?
OR
Unresponsive to 30 mL/kg fluid?
OR
2+ organ dysfunction?
OR
Progression of symptoms despite treatment?

Positive for transfer trigger tool criteria?

No → **Negative for severe sepsis/ septic shock**

Yes → **Positive for severe sepsis/ septic shock**

Transfer/admit to ICU or appropriate facility if CAH