

## **Sepsis Postnatal Facilitator Resource Kit**





**Clinical Skills Development Service** 

The resources developed for Maternity Education Program (MEP) are designed for use in any Queensland Health facility that care for patients/women who are pregnant/birthing or postnatal. Each resource can be modified by the facilitator and adapted to the needs of the learner and the environment in which the education is being delivered—from tertiary to rural and remote facilities.



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#### Sepsis Postnatal – Facilitator Resource Kit

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#### Who is this resource kit for?

This resource kit provides healthcare workers with knowledge and skills on assessing and managing maternal sepsis in the postnatal period.

#### **Target audience**

Midwifery and medical staff providing maternity care

#### Duration

45 mins (including setup, simulation and debrief)

### Group size

Suited to small groups (6 - 8)

#### Learning objectives

By the end of the session the learner should be able to:

- Give telephone advice to an unwell woman at home.
- Recognise and respond to a clinically deteriorating patient.
- Demonstrate the clinical management for maternal collapse.
- Assess the possible cause of the maternal sepsis (postnatal) and its management.

#### Facilitation guide

- 1. Provide Participant Resource Kit to the learner.
- 2. Utilise care of deteriorating patient with postnatal sepsis flowchart.
- 3. Utilise scenario to conduct a simulated postnatal sepsis case.
- 4. Conduct group debrief following simulation.

#### Supporting documents

- Participant Resource Kit
- List of further readings
- SOMANZ Flowchart for assessment and management of sepsis in pregnancy
- Maternal blood sampling values
- Postnatal sepsis simulation



## Overview

Despite an overall decline in maternal mortality in Australia, the maternal mortality rate from sepsis has increased. In the period 2008–2012, sepsis accounted for 11.4% of maternal deaths in Australia.

Group A beta haemolytic streptococcal (GAS) infection is the most common pathogen, resulting in 25% of maternal deaths from sepsis in Australia. Sepsis continues to be one of the major causes of maternal mortality among Aboriginal and Torres Strait Islander women<sup>1</sup>.

Despite significant advances, understanding of the pathobiology of sepsis remains incomplete and currently no gold standard diagnostic test exists to confirm the presence of sepsis. Sepsis is broadly defined as life-threatening organ dysfunction caused by a dysregulated host response to infection. Early detection of sepsis is essential for appropriate multidisciplinary management to ensure the best outcomes for the mother and her baby. Septic patients may progress to develop septic shock, multi-organ failure and death.

Recognising the patient with sepsis is paramount and is the first step in appropriate assessment and management.

**Obstetric Emergency** is any clinical situation involving a maternity patient where immediate medical/ midwifery assistance is required.

1 SOMANZ Guideline for the Management of Sepsis in Pregnancy 2017

## **Further Readings**

## SOMANZ Guidelines for the Investigation and Management of Sepsis in Pregnancy – Society of Obstetric Medicine Australia and New Zealand

The document addresses the issue of sepsis in the peri-partum period. It contains a number of recommendations to guide clinical practice and improve patient outcomes. We have identified several key outcomes that can be audited allowing individual centres to assess their performance in implementation of these guidelines.

https://www.somanz.org/downloads/2017SepsisGuidelines.pdf

### Bacterial Sepsis in Pregnancy Green-top Guideline No. 64a April 2012

The scope of this guideline covers the recognition and management of serious bacterial illness in the antenatal and intrapartum periods, arising in the genital tract or elsewhere, and its management in secondary care.

https://www.rcog.org.uk/globalassets/documents/guidelines/gtg\_64a.pdf

### SMFM Consult Series #47: Sepsis during pregnancy and the puerperium

The purpose of this guideline is to summarize what is known about sepsis and to provide guidance for the management of sepsis in pregnancy and the postpartum period. https://www.ajog.org/article/S0002-9378(19)30246-7/pdf

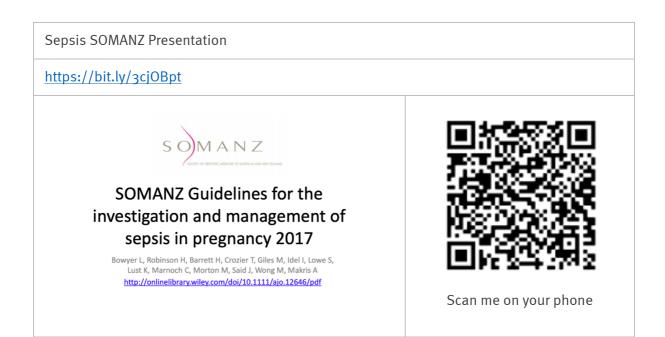
#### The Glasgow Structured Approach to Assessment of the Glasgow Coma Scale

The Glasgow Coma Scale provides a practical method for assessment of impairment of conscious level in response to defined stimuli.

https://www.glasgowcomascale.org/



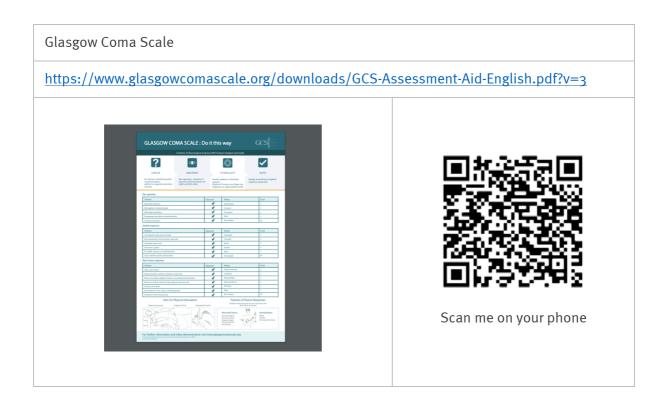
## Emergency Management



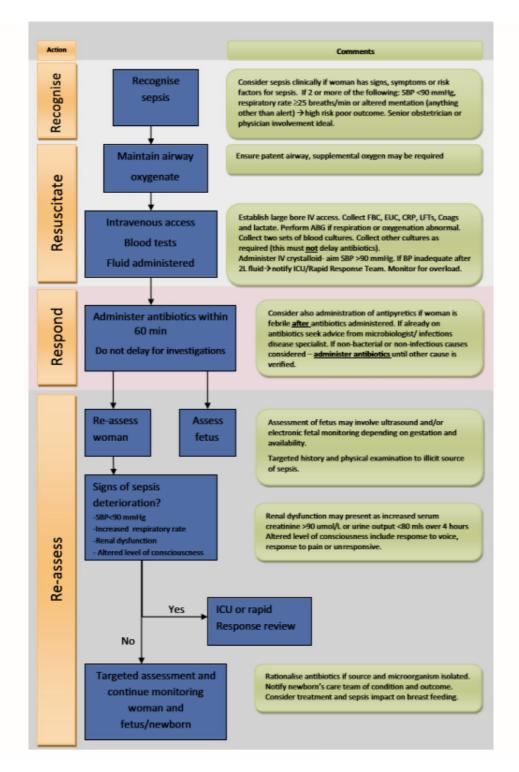




## Emergency Management



## **SOMANZ Flowchart for assessment and management of sepsis in pregnancy**





## Emergency Management

Glasgow Coma scale video

https://www.glasgowcomascale.org/#video





Scan me on your phone

## Sepsis (Postnatal)

## Simulation Event

This section contains the following documents:

- 1. Pre-simulation briefing poster
- 2. Immersive in-situ scenario
- 3. Physical resources
- 4. Human resources
- 5. Simulated patient script information
- 6. Handover card
- 7. Additional information
- 8. Stage 1 Initial assessment
- 9. Stage 2 Ongoing management
- 10. Stage 3 Resolution



# Pre-simulation Briefing

## Establishing a safe container for learning in simulation.

### Clarify objectives, roles and expectations

- Introductions.
- Learning objectives.
- Assessment (formative vs summative).
- Facilitators and learners' roles.
- Active participants vs observers.



## Maintain confidentiality and respect

- Transparency on who will observe.
- Individual performances.
- Maintain curiosity.

### **Establish a fiction contract**

Seek a voluntary commitment between the learner and facilitator.

- Ask for buy-in.
- Acknowledge limitations.

## Conduct a familiarisation

- Manikin/simulated patient.
- Simulated environment.
- Calling for help.

### Address simulation safety

Identify risks.

- Medications and equipment.
- Electrical or physical hazards.
- Simulated and real patients.





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**Note:** Adjust the pre-simulation briefing to match the demands of the simulation event, contexts or the changing of participant composition.

Adapted from Rudolph, J., Raemer, D. and Simon, R. (2014). Establishing a Safe Container for Learning in Simulation. Simulation in Healthcare: Journal of the Society for Simulation in Healthcare, 9(6), pp.339-349.

## Scenario

| Туре                   | Immersive in-situ scenario  |   |  |  |
|------------------------|---|---|--|--|
| Target audience        | Obstetric medical staff and midwive   | 25  |  |  |
| Overview               | Maternity Review Centre or assessment area  |   |  |  |
|                        | <b>Situation:</b><br>Pam presents 6 days post-partum feeling unwell, reports a temperature<br>of 37.8°C at home.  |   |  |  |
|                        | Background:<br>26-year-old Para 1.<br>SVD with a shoulder dystocia and PPH of 2 litres. GDM on insulin now<br>ceased. Had an Epidural and oxytocin infusion for labour and birth.<br>Perineum episiotomy that was sutured, last Hb 86 on day 3 on<br>discharge home.<br>Breast feeding her baby who was 4000gm at birth.  |   |  |  |
|                        | Assessment:<br>Obs. reported temperature of 37.8°C<br>Appears flushed and looks unwell.<br>Recommendation:  |   |  |  |
|                        | Full postnatal assessment and refer to MO as required.  |   |  |  |
| Learning<br>objectives | <ul> <li>By the end of the scenario the learner should be able to:</li> <li>Provide telephone advice to an unwell woman at home</li> <li>Recognise and respond to the clinically deteriorating patient</li> <li>Demonstrate the clinical management for maternal collapse</li> <li>Assess the possible cause of the maternal sepsis (PN) and its management.</li> </ul> |   |  |  |
| Duration               | Pre-brief: 10 minutes<br>Orientation: 5 minutes<br>Simulation: 15 mins<br>Debrief: 15 mins  | Total: 45 mins<br>Allow 15 minutes for set up |  |  |

## **Physical resources**

| Room set up           | Standard assessment area  |  |  |  |
|-----------------------|---|--|--|--|
| Simulator/s and setup | Simulated patient or manikin (including software)   |  |  |  |
|                       | <b>If using a simulated patient</b> – simulated patient in normal clothes<br>wearing skin colour bike pants with suture perineum attached<br>with pus on sutures and perineum broken down. Simulated<br>patient is waiting outside the simulation room. |  |  |  |
|                       | <b>If using a manikin</b> – manikin wearing skin colour bike pants with suture perineum attached with pus on sutures and perineum broken down. Manikin is in bed.   |  |  |  |
| Clinical equipment    | Standard assessment room with routine set up  |  |  |  |
| Access                | Nil   |  |  |  |
| Other                 | <ul> <li>Paperwork for emergency management – P/N assessment<br/>sheet and P/N QMEWT</li> <li>Patient records on ieMR</li> </ul>  |  |  |  |

## **Human resources**

| Faculty                    | Facilitators x2 to take on roles of scenario lead and primary debriefer (Obstetric Reg/Consultant and midwife with debriefing experience).  |  |  |  |
|----------------------------|---|--|--|--|
| Simulation<br>Coordinators | <b>If using a manikin</b> – Sim Co x1 for set up and control manikin software during scenario.  |  |  |  |
| Confederates               | <b>If using a simulated patient</b> – simulated patient x1, plus the facilitator to be the woman on the telephone gaining advice from home and then as a QAS officer providing a handover.  |  |  |  |
|                            | <b>If using a manikin</b> – Facilitator to provide QAS handover at the bedside.   |  |  |  |
| Other                      | <b>If using a simulated patient</b> – Midwife x1 is present in the simulation room, preparing for the woman's arrival following the phone consultation. The other midwives and doctors are outside the room, to be called in as needed. |  |  |  |
|                            | <b>If using a manikin</b> – Midwife x1 is present in the simulation room to receive handover from QAS officer. The other midwives and doctors are outside the room, to be called in as needed.  |  |  |  |

## **Simulated patient script information**

### Phone call: Performed in another room away from participants.

A woman calls the assessment area feeling unwell. She has taken her temperature 37.8°C and is feeling hot, shivery, nauseated and dizzy. She is at home alone. Her husband is at work an hour away. She doesn't feel well enough to drive and has tried calling a few people to see if they could take her to hospital, but they are either unavailable or at work. She is very distressed. The baby is well; there are no issues with the baby.

### Simulated script

### You are Pamela (Pam) Little. You had your baby six (6) days ago.

It was a normal birth but the baby's shoulder got stuck and baby needed some help being born. After the birth, I lost a lot of blood. I had to have some blood because my iron was really low. I wasn't feeling that great yesterday. My bottom has been really sore and I needed to take pills regularly just to be able to move about. I woke up this morning and I was sweating and shaking. I took my temperature and it said 37.8°C. I rang my GP but he said I needed to come to hospital.

#### This is Pam, this is ... <staff name> Introduction S Situation Transferred by QAS with a history of being unwell, pyrexia. В Background Baby was born six (6) days ago, normal birth complicated by a shoulder dystocia and a 2 litre PPH. Its Pams first (1<sup>st</sup>) baby, breast feeding baby well. Nil medical or social history, partner is on his way in but will be an hour. Assessment Obs. Temperature 37.8°C Α • RR – 22 HR – 102 B/P 110/70 GCS 15/15 R Recommendations • Observations reported to T/L and MO as temperature of 37.8°C. • Appears flushed and looks unwell. • Closely observe. Paracetamol for temperature. Thanks for looking after her.

## Handover card from QAS caring for Pam

## Additional information

| Name                      | Pamela Little                             |  |
|---------------------------|---|--|
| Age                       | 36 years old                              |  |
| Sex                       | Female                                    |  |
| Weight                    | 95 kg                                     |  |
|                           |   |  |
| Allergies                 | Nil known                                 |  |
| Medications               | Iron and Vitamin C                        |  |
| Medical/Surgical          | Endometriosis & laparoscopy last year     |  |
| History                   | Nil                                       |  |
| Social History/Employment | Administration Officer on maternity leave |  |
| Partner's name            | John                                      |  |
|                           |   |  |
| Pregnancy history         | G2P1 (miscarriage)                        |  |
| Blood Group               | A Pos antibodies Neg                      |  |
| Hb                        | 83 – 3 days ago                           |  |
| Serology                  | Neg                                       |  |
| Rubella                   | Immune                                    |  |
| GBS                       | Unknown                                   |  |
|                           |   |  |

| State 1: Initial asse   | essment   |   |   |  |
|---|---|---|---|--|
| Vital signs   |   | Script  | Details   | Expected actions   |
| RR<br>SPO <sup>2</sup><br>BP<br>HR<br>Temp.<br>Consciousness<br>Sedation score<br>Breasts<br>Fundus<br>PV loss<br>Perineum<br>Legs<br>Urine/ Bowels | 22         98%         100/70         106         38.3°C         Alert but hot         Full NAD         Firm non tender         Brown non offensive         Red swollen pus present         NAD         NAD | Pam has arrived via QAS with<br>her baby – her husband is on<br>his way from work. Pam has<br>her baby with her.<br>Pam (Mum)<br>Feeling hot, achy and shivery.<br>"I just want to lay down." | <ul> <li>Introduction<br/>This is Pam, this is <staff name=""></staff></li> <li>Situation<br/>Pam has just arrived after self-referral,<br/>6 days P/N with a reported Temp of<br/>37.8°C</li> <li>Background<br/>G2P1 SVD with a shoulder dystocia<br/>and PPH of 2 L, requiring a blood<br/>transfusion. Was GDM on insulin.<br/>Went home 3 days ago B/F.<br/>Bloods - last Hb 83</li> <li>Assessment<br/>Obs. need to be taken</li> <li>Recommendation<br/>Set of Obs. required<br/>Full P/N assessment<br/>Once Obs. performed then MO review</li> </ul> | <ul> <li>Establishes rappor<br/>with woman</li> <li>Listens/asks for<br/>history</li> <li>Perform full P/N<br/>assessment</li> <li>Discuss pain relief<br/>plan of care</li> <li>Calls for assistance<br/>as situation<br/>becomes more<br/>intense</li> <li>Makes a plan<br/>including next set<br/>of Obs. IVC. Blood<br/>cultures</li> <li>Plan antibiotic<br/>therapy</li> </ul> |

| Vital signs   |  | Script  | Details  | Expected actions  |
|---|--|---|--|---|
| RR<br>SPO <sup>2</sup><br>BP<br>HR<br>Temp<br>Consciousness<br>Sedation score | 24         96%         90/45         120         39.5°C         Sleepy now shivering.         Responsive when spoken to. | Pam (Mum)<br>"I have a terrible headache. Can I<br>have some Panadol?"<br>5 minutely obs.<br>See next page. | <ul> <li>Pam shivering but hot to touch</li> <li>Asking for more blankets</li> <li>Complaining of a headache.</li> </ul> | <ul> <li>Call a MERT / Code</li> <li>Call for HELP</li> <li>Call senior clinicians (Consultant)</li> <li>Explanation to mother</li> <li>IVC - if not already performed x2</li> <li>Bloods to lab</li> <li>FBC/ Chem 20/ Coags</li> <li>Blood cultures</li> <li>DRABC – lay her flat</li> <li>IDC – hourly urine</li> <li>Urine to lab</li> <li>Swabs of perineum</li> <li>Venous blood gas</li> <li>Commence antibiotic therapy</li> <li>Fluid resuscitation</li> <li>Facial O<sup>2</sup> if sats. drop</li> <li>Ensure baby is safe.</li> </ul> |

| State 2: On going    | State 2: On going management |                     |                           |                           |  |
|----------------------|------------------------------|---------------------|---------------------------|---------------------------|--|
| Vital signs          | 5 mins<br>QMEWT= 13          | 10 mins<br>QMEWT=13 | <b>15 mins</b><br>QMEWT=6 | <b>20 mins</b><br>QMEWT=4 |  |
| RR                   | 28                           | 26                  | 18                        | 14                        |  |
| SPO <sup>2</sup>     | 94                           | 96                  | 97                        | 98                        |  |
| O2 Flow              | 2L                           | 2L                  | RA                        | RA                        |  |
| BP/ART               | 88/40                        | 90/50               | 100/60                    | 110/70                    |  |
| HR                   | 122                          | 122                 | 115                       | 105                       |  |
| ТЕМР                 | 39.9°C                       | 39.6°C              | 39°C                      | 38°C                      |  |
| GCS<br>Consciousness | Hot uncomfortable            | Sleepy rousable     | Sleepy but rousable       | Awake                     |  |
| BSL                  | 5.6                          |                     |                           |                           |  |
| ECG                  | Sinus Tachycardia            |                     |                           |                           |  |

| State 3: Resolutio              | on                  |  |  |   |
|---------------------------------|---------------------|--|--|---|
| Vital signs                     |                     | Script   | Details  | Expected actions  |
| RR<br>SPO2<br>BP                | 16<br>97%<br>110/55 | Pam (Mum)<br>Still a bit lightheaded.<br>"Would like something to eat and<br>drink." | <ul> <li>Urine concentrated in IDC<br/>but &gt;30mls</li> <li>Antibiotics in progress<br/>(Golden hour)</li> <li>Baby has no problems</li> </ul> | <ul> <li>Recap of treatment and care</li> <li>Explanation to Pam of what<br/>happened and why</li> <li>Debrief to family</li> </ul> |
| HR<br>Temp                      | 105<br>38.2°C       | Remains hot but not shivering.   |  | <ul> <li>Documentation of events</li> <li>Ongoing plan of care – Pam now improving, where shoul her care continue</li> </ul>        |
| Consciousness<br>sedation score | Alert               |  |  | <ul><li>ICU</li><li>Birth suite</li></ul>   |



## Supporting Resources

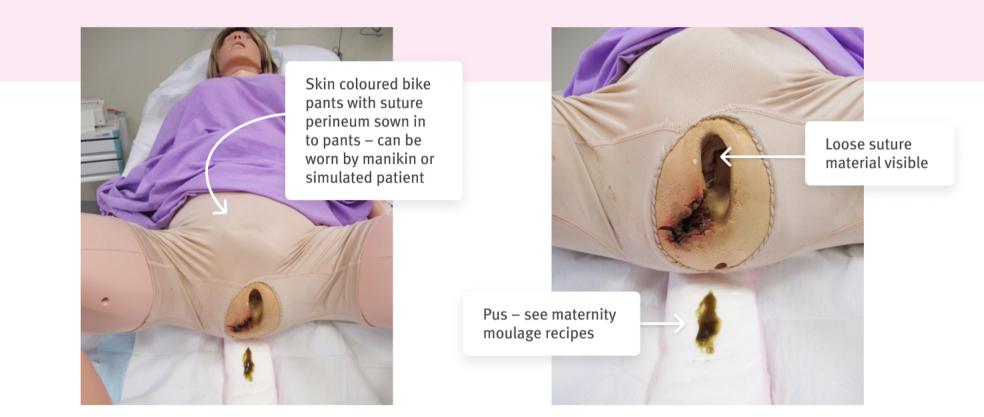
This section contains the following resources that will be essential in the delivery of this learning package:

- 1. Manikin set-up guide
- 2. Laboratory reports
- 3. CTG on admission
- 4. Current CTG.  $2^{nd}$  stage pushing
- 5. Simulation debriefing poster
- 6. Debriefing guide

## Manikin set-up guide



## Postnatal sepsis



Admission bloods DATE: PATIENT: DOB:

| Test        | Result     | Reference                      | Comment |
|-------------|------------|--------------------------------|---------|
| Haemoglobin | 87 g/dL    | 13.7-17.7g/dL                  |         |
| WCC         | 18.0 L     | 3.9-10.6 x 109/L               |         |
| Platelets   | 186 L      | 150-440 x 109/L                |         |
| Haematocrit | 0.35       | 0.39 - 0.52                    |         |
| RCC         | 3.85 L     | 4.50 - 6.0x10 <sup>12</sup> /L |         |
| MCV         | 90 fL      | 80 - 100 fL                    |         |
| Neutrophils | (83%) 9.15 | $2.0 - 8.0 \times 10^9 / L$    |         |
| Lymphocytes | (10%) 1.15 | $1.0 - 4.0 \times 10^9 / L$    |         |
| Monocytes   | (6%) 0.65  | $0.1 - 1.0 \times 10^9 / L$    |         |
| Eosinophils | (0%) 0.01  | <0.60x10 <sup>9</sup> /L       |         |
| Basophils   | (0%) 0.03  | <0.20x10 <sup>9</sup> /L       |         |
| CRP         | 156        | <5                             |         |

Admission bloods DATE: PATIENT: DOB:

| Test        | Result | Reference        | Comment |
|-------------|--------|------------------|---------|
| Sodium      | 135    | 135 - 145 mmol/L |         |
| Potassium   | 3.1    | 3.5 - 5.1 mmol/L |         |
| Chloride    | 109    | 100 - 110 mmol/L |         |
| Bicarbonate | 24     | 22 - 32 mmol/L   |         |
| Anion gap   | 13     | 4 - 13 mmol/L    |         |
| Urea        | 4.1    | 2.1 - 7.1 mmol/L |         |
| Creatinine  | 50     | 73 - 108 umol/L  |         |
| Urea/Creat  | 42     | 40 - 100         |         |

Admission bloods DATE: PATIENT: DOB:

| Test              | Result    | Reference   | Comment |
|-------------------|-----------|-------------|---------|
| Protein (total)   | 70 g/L    | 60 - 83 g/L |         |
| Albumin           | 40 g/L    | 35 - 50 g/L |         |
| Bilirubin (total) | 5 umol/L  | <20 umol/L  |         |
| Bilirubin (conj)  | 2 umol/L  | <4 umol/L   |         |
| Gamma GT          | 60 umol/L | <55 U/L     |         |
| AST               | 40 U/L    | <35         |         |
| ALT               | 40 U/L    | <45         |         |
| ALP               | 110 U/L   | (56-119)    |         |

Admission bloods DATE: PATIENT: DOB:

| Test                | Result  | Reference | Comment |
|---------------------|---------|-----------|---------|
| Coagulation profile | Pending |           |         |
|                     |         |           |         |
| Blood cultures      | Pending |           |         |
|                     |         |           |         |

Admission Bloods DATE: PATIENT: DOB:

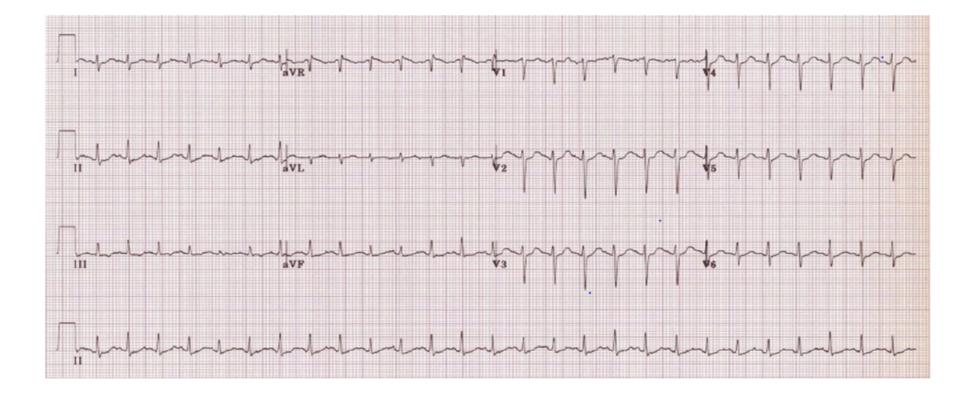
| Test                      | Result            | Comment |
|---------------------------|-------------------|---------|
| Group and Antibody Screen |                   |         |
| Group                     | O Rh (D) Positive |         |
| Antibody                  | Negative          |         |
|                           |                   | Nil     |
| Expires in 7 days         |                   |         |

| RADIOMETRY ABL800 FLEX   |                         |  |                              |            |           |
|--|-------------------------|--|------------------------------|------------|-----------|
| ABL800 RH~RB 1<br>PATIENT REPORT SYRINGE-S250uL SAMPLE # 16538                                   |                         |  |                              |            |           |
| IDENTIFICATI   | ON                      |  |                              |            |           |
| Patient ID<br>Patient Last Name<br>Patient First Name<br>Sample type<br>T<br>FO2 (I)<br>Operator |                         | Arterial<br>36.4<br>50%<br>CSDS Simulation |                              |            |           |
| Blood Gases  |                         |  |                              |            |           |
| Test   | Result                  | Reference                                  | Test                         | Result     | Reference |
| рН   | 7.45                    | 7.350-7.450                                | Electrolyte values           |            |           |
| pCO2   | 25 mmHg                 | 35.0-45.0                                  | cNa+                         | 135 mmo/L  | 135-145   |
| p02  | 65 mmHg                 | 75.0-100                                   | cK+                          | 31 mmo/L   | 3.2-4.5   |
| сНСО3-(Р)с   | 17 mmol/L               | 21.0-27.0                                  | cCl-                         | 109 mmo/L  | 100-110   |
| cBase(B)c  | -5.2 mmol/L             | -3.0-3.0                                   | cCa2+                        | 1.20 mmo/L | 1.15-1.36 |
| P50c   | 40 mmHg                 |  | AnionGap<br>K+c              | 13 mmo/L   |           |
| Baro   |                         | mmHg                                       | Metabolit                    | e values   |           |
| Oximetry val   | cGlu 11.1 mmo/L 3.0-7.8 |  | 3.0-7.8                      |            |           |
| a02  | 94%                     |  | cLac                         | 5.5 mmo/L  | 0.7-2.5   |
| clHb   | 87 g/L                  | 105-135                                    | cCrea                        | umo/L      | 36-82     |
| Hcl  | 90                      |  | Temperature corrected values |            |           |
| F02Hb  | 00                      | 94.0-98.0                                  | рН(Т)                        | mmHg       |           |
| FCOHb  | 00                      | 0.0-1.5                                    | рСО2(Т)                      | mmHg       |           |
| FMelHb   | 8                       |  | р02(Т)                       | mmHg       |           |
| FHHb   | 00                      |  |                              |            |           |
| Notes:   |                         |  |                              |            |           |

Admission Urine DATE: PATIENT: DOB:

| Test            | Result         | Comment |
|-----------------|----------------|---------|
| Urine Dipstick  | Leucocytes +++ |         |
|                 | Nitrates +     |         |
|                 | Glucose Nil    |         |
|                 | Protein ++     |         |
|                 | Ketones +++    |         |
|                 | Blood +++      |         |
|                 | Leucocytes +++ |         |
| Culture pending |                |         |
|                 |                |         |
|                 |                |         |

## ECG – Sinus Tachycardia



# Simulation Debriefing

## Establishing a safe container for learning in simulation.

### Reaction phase - "vent"

- How was that?
- How are you feeling?
- Any other initial reactions?
- Learners may reveal key areas that are important to them.



### **Description phase**

- Clinical summary of the case.
- Can be shortened if it appears there is shared understanding of the case.

### **Analysis phase**

Select which strategy is suited.

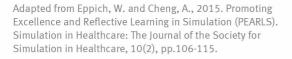
• Learner Self-Assessment - learner generates objectives

What went well/what would you change? What well/did not go well and why?

• Focused Facilitation - analyse performance related to objective



- Discuss take-home learning points
- Learner guided approach or
- Facilitator guided approach







**Clinical Skills Development Service** 

## **Debriefing guide**

| Scenario objectives           | <ul> <li>Participants are required to:</li> <li>Provide telephone advice to an unwell woman at home</li> <li>Recognise and respond to the clinically deteriorating patient</li> <li>Demonstrate the clinical management for maternal collapse</li> <li>Assess the possible cause of the maternal sepsis (PN) and management</li> </ul> |
|-------------------------------|--|
| Vent phase                    | <ul> <li>Example questions:</li> <li>Initial thoughts of how the simulation went?</li> <li>Acknowledge emotions (note body language and tone of participants)</li> </ul>   |
| What happened<br>(phases)?    | <ul> <li>Example questions:</li> <li>Tell us about your patient and what were your initial priorities?</li> <li>What led to your decision to escalate management?</li> <li>What clinical signs and symptoms led you to become concerned?</li> </ul>  |
| What was done well and why?   | Example questions:<br>• What could have been better at each phase?   |
| Relevance to experience       | <ul><li>Example questions:</li><li>How would you transfer knowledge from today into your workplace?</li></ul>  |
| What has been<br>learned?     | <ul><li>Example questions:</li><li>What actions will you take to enhance your skills and knowledge post simulation?</li></ul>  |
| Transfer to clinical settings | <ul> <li>Example questions:</li> <li>Can you give an example of how you may apply new skills or knowledge gained during this session?</li> <li>What will you take away from this session?</li> </ul>   |
| Key moments                   | <ul> <li>Recognition of post-natal sepsis (potential / actual)</li> <li>Calling for HELP early</li> <li>Having key team members present</li> <li>Preparing and plan for ongoing adverse event</li> </ul>   |

## Acronyms and abbreviations

| Term  | Definition                                   |
|-------|--|
| BF    | Breast feeding                               |
| BGL   | Blood glucose level                          |
| CSDS  | Clinical Skills Development Service          |
| DRABC | Danger Response Airway Breathing Circulation |
| ECG   | Electrocardiograph                           |
| FBC   | Full blood count                             |
| GAS   | Group A beta haemolytic streptococcal        |
| GCS   | Glasgow coma scale                           |
| GDM   | Gestational diabetes mellitus                |
| Hb    | Haemoglobin                                  |
| IDC   | Indwelling catheter                          |
| ieMR  | Integrated electronic medical records        |
| IOL   | Induction of labour                          |
| IVC   | Intra venous cannula                         |
| MERT  | Medical emergency response team              |
| МО    | Medical Officer                              |
| NAD   | Nothing abnormal detected                    |
| Obs.  | Observations                                 |
| PHR   | Pregnancy Health Record                      |
| PN    | Postnatal                                    |
| РРН   | Postpartum haemorrhage                       |
| PV    | Per vagina                                   |
| QAS   | Queensland Ambulance Service                 |

## Sepsis Postnatal

| QMEWT  | Queensland Maternity Early Warning Tool                  |
|--------|--|
| RCOG   | Royal College of Obstetricians and Gynaecologists        |
| SMFM   | Society for Maternal – Fetal Medicine                    |
| SOMANZ | Society of Obstetric Medicine of Australia & New Zealand |
| SVD    | Spontaneous vaginal delivery                             |
| USS    | Ultrasound scan  |
| VE     | Vaginal examination                                      |

Sepsis Postnatal

## References

This resource kit has been inspired by the Optimus BONUS project of the Children's Health Queensland's Simulation Training Optimising Resuscitation for Kids (STORK) service. To know more information about STORK and their Optimus project, visit their website.

- Children's Health Queensland. 2020. Queensland Paediatric Emergency Care Education | CHQ. [online] Available at: <<u>https://www.childrens.health.qld.gov.au/research/education/queensland-paediatric-</u> emergency-care-education/> [Accessed 24 July 2020].
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