



Scenario Learner Group And Title:
(eg: Year 5 MBChB AIP Module, Acute Severe Asthma)

Example:
Year 5 MBChB AIP - Sepsis

Author & Author Centre	•			Creation Date	
				Review Date	Suggest 1 yr to ensure guidelines etc upto date
Learner Group(s) Scenario Designed For	Maybe multiple eg 5 th Yr MBChB, FY1 and FY2				
Expected Duration of Scenario	Usually 20 mins, max 30 mins				
Expected Duration of Debrief	Should be 2 x scenario duration				
Clinical Learning Objectives Based on the curriculum requirements	Usually 3-4 points, as bullet points eg <ul style="list-style-type: none"> • Ability to recognise and diagnose the acutely unwell septic patient • Initiation of ABC management • Management related to the surviving sepsis campaign 				
CRM / Non-technical Learning Objectives Maybe individual or multiple factors	<ul style="list-style-type: none"> • Situational Awareness • Decision making • Teamwork • Leadership • Communication 				
Key Simulation Delivery Resource ie who is the patient?	<input type="checkbox"/> Actor	<input type="checkbox"/> Role Playing Faculty Member	<input type="checkbox"/> Simulation Manikin	<input type="checkbox"/> Other	
Brief Narrative Overview To enable faculty to understand scenario plan May involve a second event	Example: 63 year old gentleman usually fit and well except for Type II Diabetes with spreading cellulitis of his left thigh for 24 hours. Clinical evidence of necrotising fasciitis on presentation Stabilises if managed appropriately Second event: If delayed or inappropriate management, develops AF and becomes clinically unstable Once resuscitated taken to theatre for debridement				
Keywords (Max 4)	Example: sepsis	Necrotising fasciitis	Acute AF		



<p>Setting How you want to set up the simulation environment</p>	<p>Examples: GP surgery treatment room Ward area Operating Theatre</p>
<p>Learner Briefing The summary faculty are going to give the candidate before they start the scenario</p>	<ul style="list-style-type: none"> • You are the general surgery FY 1 on call; the next patient to see on your evening take is a 63 year old man • He has been sent to the hospital by his GP due to a painful left leg which has been getting worse for 24 hours
<p>Plant Role and Briefing The information to give the faculty member who is in the simulation area</p>	<p>Example: You are a helpful nurse but will only do things when asked to. If the candidates are struggling, suggest phoning for help or contacting a senior Ask if there are any guidelines for dealing with this scenario if not mentioned by candidate</p>
<p>Guidance for Telephone Advice The information to give the faculty member who is taking any phone calls from the scenario</p>	<p>Example: If senior colleague is called, asks for clinical signs and treatment so far. Suggests sounds septic and have sepsis 6 guidelines been followed. Ask for results of ECG Ask for what the candidate feels is the working diagnosis and management plan</p>



<p>Other Required Information</p> <p>Any other information relevant to scenario planning and execution</p>	<p>Example: Check candidates are safe to use the defibrillator prior to the scenario</p>
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Patient Description	Name	John Williams
Select patient name and details and ensure compatible with wrist bands, notes etc	Age	63
	Gender	Male Caucasian
	Weight	72 kgs
	Height	1.75 m
<p>History of Presenting Complaint</p> <p>What information the “patient” will give the candidates when asked about the present complaint</p>	<p>Example:</p> <ul style="list-style-type: none"> • Injured left leg with skin laceration whilst gardening 36 hours previously • Became swollen and painful 24 hours ago • Developing red area around the initial wound and beginning to feel unwell with sweating, rigors and tiredness 	



<p>Patient Information</p> <p>Past Medical History Medications Allergies Social History Smoking/Drinking etc</p>	<p>Example: CVS – No symptoms RS - No symptoms Type II Diabetes on diet control No other PMH No medication No allergies Lives independently with wife. Retired school teacher Non-smoker. Drinks occasional alcohol</p>
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Initial presentation Overview	
<p>Expected Scenario progression What you anticipate the candidates to do and how the patient will respond to the treatment etc</p>	<p>Example:</p> <ul style="list-style-type: none"> • Recognition of septic patient • Initiation of O2 delivery via non-rebreathe mask. • Cannula with bloods and BM • Fluid resuscitation • Blood cultures and antibiotics • Mark out cellulitis • Call general/plastic surgeons • Catheterise patient – ECG • ABG – mixed metabolic and respiratory acidosis with raised lactate • Stabilise patient and transfer to theatre • Recognise and treat acute AF if second event occurs due to inadequate treatment



<p>If correct treatment initiated, The following should occur The outcome of the patient if correct management is initiated</p>	<p>Example:</p> <ul style="list-style-type: none"> • Responds to resuscitation with improved blood pressure, heart rate and lactate level • AF treated with fluids, amiodarone or digoxin +/- norepinephrine and heart rate settles
<p>If no / incorrect treatment initiated, the following should occur What will happen if the patient/ situation deteriorates Suggested 'Rescue' Strategies if Required</p>	<p>Example:</p> <ul style="list-style-type: none"> • Deterioration into septic shock – decreased Sats, hypotension, tachycardia, decreased consciousness with decreased urine output <p>Rescue:</p> <ul style="list-style-type: none"> • Ongoing Sepsis – Registrar phones and asks for history and says the patient may be septic. Suggests following the sepsis six pathway • AF – Registrar phones and calls for review update and asks for 12 lead ECG and asks about rhythm on ECG



Initial presentation (Physiology and Monitor) Settings based on manikin parameters or “patient” presentation eg role player							
Eye status	Pupils			Airway			
Vocal sounds	Throat sounds			Breathing pattern			
Air entry R L	Radial pulse R L			Heart sounds			
Seizures	Bowel Sounds			IV Access			
Scenario Trend (use in combination with scenario progression section)							
	HR	Rhythm/other	BP	RR	Sats	Temp	AVPU
Baseline settings at start	95	SR	100/60	18	95%	39	A
Trend - 5 mins parameters at 5 mins unless treated	115	SR	90/50	22	93%	39.8	A
Treatment initiated Parameter changes in response to treatment	100	SR	110/50	18	97%	39.8	A
Treatment not initiated Deterioration if not treated	128	SR	78/40	24	90%	39.8	V
Second event obs Planned second event if inadequate treatment	160	AF	60/40	28	86%	39.8	V



Treatment initiated Parameter changes in response to treatment	120	AF / SR over time	90/50	26	90%	39.8	V
Treatment not initiated Deterioration if not treated	165	AF	50/30	20	80%	39.8	P



Debriefing Points	
Suggested Debriefing Model	Example: 3D model with Advocacy Inquiry technique
<p>Clinical Debriefing Points (Clinical Learning Objectives) Based on the curriculum requirements</p> <ul style="list-style-type: none"> 1) Utilizing Sepsis Bundles 2) Management of acute onset AF 3) Management of necrotizing fasciitis 	
<p>CRM / Non-Technical Learning Objectives(s)</p> <ul style="list-style-type: none"> 1) Situational Awareness – recognition of sepsis, AF and necrotizing fasciitis 1) Decision making – deciding to use the sepsis bundle; recognition primed, option selection, rule based, creative basis 2) Teamwork – sharing mental models, team followership 3) Leadership – delegating tasks 4) Communication –using SBARD to convey clinical information 	



Supporting Materials Required (Attach as Required)

Blood Results / Arterial Blood Gases / Venous Blood Gases / ECG etc :

Example:

Blood results – FBC, U & Es, clotting - raised WCC, slightly raised urea and creatinine, CRP 120

ABG – metabolic acidosis with respiratory compensation. Lactate 4.2 mmol/l

ECG – Sinus Tachycardia

ECG – AF HR 120

Imaging / Plain X-ray / CT / MRI etc :

Example:

CXR – Normal

Appropriate National Clinical Guidelines / References :

Nice Guideline NG51 - Sepsis: recognition, diagnosis and early management

Surviving Sepsis Campaign bundle - www.survivingsepsis.org

Trust sepsis care bundle

Trust Antibiotic Guidelines – sepsis due to necrotizing fasciitis

SBAR handover sheet



Faculty Equipment Checklists Tick which are required and annotate additional			
Personal			
<input type="checkbox"/> PPE - (gloves, hat, gown, mask, goggles etc)	<input type="checkbox"/> Tendon hammer	<input type="checkbox"/> TEDS	
<input type="checkbox"/> Stethoscope	<input type="checkbox"/> BNF	<input type="checkbox"/>	
<input type="checkbox"/> Pen torch	<input type="checkbox"/> BM machine	<input type="checkbox"/>	
Diagnostics			
<input type="checkbox"/> ECG Monitor / Defibrillator / Pacer	<input type="checkbox"/> Medical records	Lab Reports	
<input type="checkbox"/> BP cuff	<input type="checkbox"/> 12 lead ECG	<input type="checkbox"/> FBC	<input type="checkbox"/> Clotting
<input type="checkbox"/> SpO2 Probe	<input type="checkbox"/> CXR	<input type="checkbox"/> U & Es	<input type="checkbox"/> LFTs
<input type="checkbox"/> Thermometer	<input type="checkbox"/> Abdo Xray	<input type="checkbox"/> Glucose	<input type="checkbox"/> Amylase
<input type="checkbox"/> Referral letter	<input type="checkbox"/> USS	<input type="checkbox"/> ABG	<input type="checkbox"/>
<input type="checkbox"/> Drug chart	<input type="checkbox"/> CT report	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Therapy Devices			
<input type="checkbox"/> Method of O2 delivery	<input type="checkbox"/> Urinary Catheter	<input type="checkbox"/> IV giving set	<input type="checkbox"/> PVC
<input type="checkbox"/> Crash Trolley	<input type="checkbox"/> Syringes etc	<input type="checkbox"/> Suction	<input type="checkbox"/> CVC
<input type="checkbox"/> Arterial Line	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Medications			
<input type="checkbox"/> Antibiotics	<input type="checkbox"/> Atropine	<input type="checkbox"/> Epinephrine	<input type="checkbox"/> Calcium
<input type="checkbox"/> Salbutamol	<input type="checkbox"/> Ipratropium	<input type="checkbox"/> GTN	<input type="checkbox"/> Morphine
<input type="checkbox"/> Dalteparin	<input type="checkbox"/> Pantoprazole	<input type="checkbox"/> Furosemide	<input type="checkbox"/> Amiodarone
<input type="checkbox"/> Adenosine	<input type="checkbox"/> Digoxin	<input type="checkbox"/> Aspirin	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fluids			
<input type="checkbox"/> Crystalloid	<input type="checkbox"/> Glucose	<input type="checkbox"/> Blood	<input type="checkbox"/> Albumin
<input type="checkbox"/> Colloid	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>