

Title	Chest sepsis	Version	1.95
Target Audience	FY doctors & student nurses	Run time	10 -15 mins
Authors	Udesh Naidoo, Charlie Watts, Nicola Morgan, Paul Wilder, Mark Loughrey	Last review	4/7/18
Faculty comments	Actor to play patient relative	Necessity	ESSENTIAL

Brief Summary

A 70 year old woman with a two day history of shortness of breath and fatigue presents to A&E. She has chest sepsis. The candidate is expected to perform initial assessment and management before calling ITU.

Educational Rationale

Chest sepsis is a commonly encountered condition in the emergency department. Foundation doctors are expected to be able to assess and provide initial management for patients presenting with chest sepsis, and this scenario will provide the opportunity to practise many skills and competencies included in the foundation doctor curriculum.

Learning Objectives: Nurse

- ABCDE assessment
- Communication and SBAR handover between nurses and doctor

Learning Objectives: Doctor

- ABCDE assessment and initial management of deteriorating patient
- Early recognition of patients with chest sepsis
- Early and appropriate investigations and suggestions for initial management of chest sepsis
- Appropriate call for help and concise transfer of information

No	CURRICULUM MAPPING	This scenario
1	Acts professionally	✓
2	Delivers patient-centred care and maintains trust	✓
3	Behaves in accordance with ethical and legal requirements	✓
4	Keeps practice up to date through learning and teaching	✓
5	Demonstrates engagement in career planning	
6	Communicates clearly in a variety of settings	✓
7	Works effectively as a team member	✓
8	Demonstrates leadership skills	✓
9	Recognises, assesses and initiates management of the acutely ill patient	✓
10	Recognises, assesses and manages patients with long term conditions	✓
11	Obtains history, performs clinical examination, formulates differential diagnosis and management plan	✓
12	Request relevant investigations and acts upon results	✓
13	Prescribes safely	✓
14	Performs procedures safely	✓
15	Is trained and manages cardiac and respiratory arrest	
16	Demonstrates understanding of the principles of health promotion and illness prevention	✓
17	Manages palliative and end of life care	
18	Recognises and works within limits of personal competence	✓
19	Makes patient safety a priority in clinical practice	✓
20	Contributes to quality improvement	

Candidate Briefing: Nurse

Setting: Emergency Department – Resus area

You are in triage in Resus. A patient has come in from home via ambulance complaining of shortness of breath and feeling hot and cold. She has a two day history of feeling unwell, having started a course of antibiotics prescribed by the GP. She has migraines and is taking Propranolol.

Please do basic observations and enter these on the cas card.

If you wish to speak to anyone or call for assistance then use the grey telephone sited on the back wall. Just pick it up and press the button and you will be connected to the 'operator'. Ask to speak to whoever you wish.

You should interact with everyone else in the room as you would in real life. For example, if you strongly disagree with a colleague's management then feel free to question them, stating your reasons.

NOTES

- Due to technical limitations, certain information cannot be ascertained by examining the mannequin (e.g. temperature and skin colour). This will be relayed to you via the wall speaker as long as you role-play and make clear what action you are undertaking, otherwise assume everything is as you observe it.
- Use the relevant props and role-play for cannulation, injecting drugs and applying oxygen from the wall port.

Candidate Briefing: Doctor

You are on call for medicine. Please wait as directed, until you receive a call from Resus for an SBAR handover and then act as you would do in real life.

Technical set-up

Setting	Emergency Department – Resus area		
Simulator	High fidelity manikin		
Gender	Female	Age	73

Initial monitor parameters

RR	O2 sats	Pulse (HR)	BP	ECG rhythm
38	96% on air	85	90/68	Sinus rhythm
Cap Refill Time	Blood glucose	Temp.		
3s	5.6	38.9		

Initial patient set-up

Airway	Obstruction	Airway adjunct
	No	No

Breathing	Chest sounds	O2 supply
	Bilateral basal crackles	Air

Circulation	Heart sounds	Cannula	BP cuff	Peripheries / pulses
	Normal	None	No	Warm and sweaty

Disability	Eyelids	Pupils	AVPU/GCS
	Open	Equal & reactive	A / 15

Exposure	Posture	Moulage	Bowel sounds
	Supine	None	Normal

Specific equipment / prop requirements

- Simulated ABG/VBG results
- ECG
- IV fluids
- Non-invasive BP cuff
- ABG/VBG/large bore cannula
- Thermometer
- Catheter
- Urine dip
- Blood results
- BNF
- Blank drug chart

Facilitator Briefing

Telephone Advice as: Registrar/Critical Care Outreach

- Receive SBAR
- “What have you done so far?”
- “Have you done an arterial blood gas? CXR? ECG?”
- Suggest further investigations & that they inform ITU

Telephone Advice as: ITU

- Receive SBAR
- “We’re busy intubating a patient so will be down in five minutes”

Telephone Advice as: Relative

Mr Fred Bloggs - Christine’s husband

You came home to find Christine, your wife, not present but have assumed she just popped out to visit a neighbour.

- Act concerned
- “Is she gonna die?”
- “Do I need to come in?”
- “I don’t drive so err.. I’ll ..ohh.. err..I’ll ask a neighbour so can’t get in for about an hour - is that an issue?”

Telephone advice

- You will be sitting in the control room for the duration_
- Answer all calls as “switchboard” in the first instance to allow for realistic delay. Call back after 1 - 2 minutes

How to run with candidates from only one discipline

An additional member of faculty can play the role of the nurse in this scenario if needed.

Sim Nurse briefing:

You are in triage in Resus. A patient has come in from home via ambulance complaining of shortness of breath and feeling hot and cold. She has a two day history of feeling unwell, having started a course of antibiotics prescribed by the GP. She has migraines and is taking Propranolol.

CONDUCT

Throughout the scenario you should act as a “competent robot” i.e. you should perform all tasks requested to the best of your ability, but should not initiate any treatment on your own. If you are not being effectively instructed by the candidate, you may be prompted via your ear piece by the lead facilitator as to what your next action should be.

If you strongly disagree with management then you are free to question them, stating your reasons.

If asked to give drugs, you should request that they are prescribed on the drug chart. If they are unsure of the dosage please refer them to the BNF or Hospital Guidelines App or via Intranet.

Patient Briefing

Setting Emergency Department – Resus area

Name Christine Bloggs

Age 73

Gender Female

What has happened to you?

PRESENTING COMPLAINT – Shortness of breath

- Whilst your husband was out, you had to call an ambulance, complaining of shortness of breath and feeling hot and cold.
- You have a two day history of feeling unwell, having started a course of antibiotics prescribed by the GP, but you don't know what they are called.

OTHER SYMPTOMS

- Generally feel unwell
- Anxious

How you should role-play

- You are short of breath, hot and sweaty
- Generally feel unwell
- Anxious
- Want your husband present (your telephone number was recorded on the CAS card)

Your background

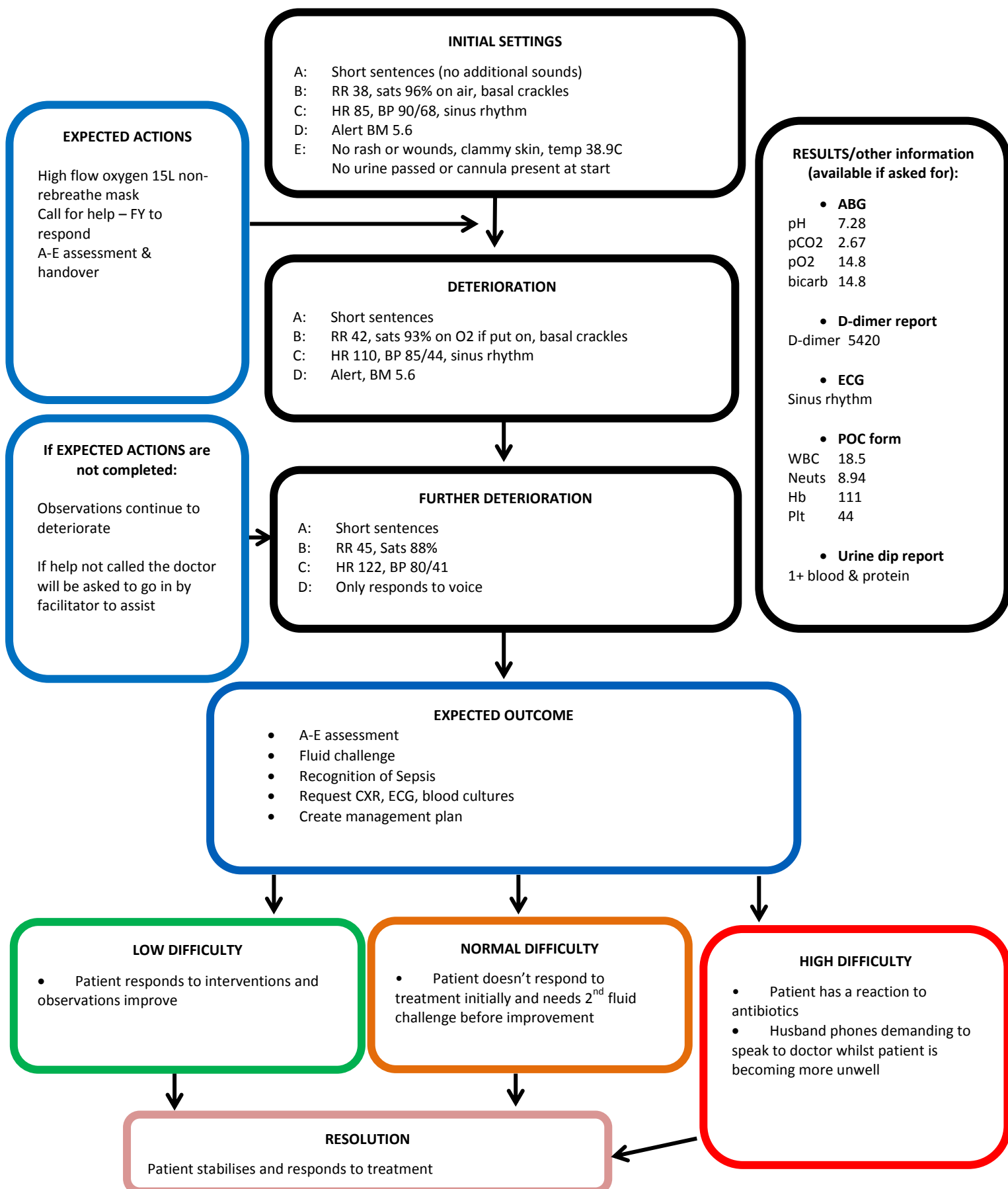
PAST MEDICAL HISTORY

- Migraine
- Constipation
- No known drug allergies

SOCIAL HISTORY

- Married, lives with husband Fred Bloggs (68 years old)
- Independent
- Non-smoker
- Occasional drinker

Scenario flowchart



References

- Local Chest Sepsis guidelines and guidelines app
- NICE Clinical Guideline NG51: Sepsis: recognition, diagnosis and early management <https://www.nice.org.uk/guidance/ng51>

Clinical props

RADIO ABL800 FLEX

ABL827 FRIMLEY PARK A/E
 PATIENT REPORT Syringe - S 250uL Sample # 186310

Identifications

Patient ID 789987
 Patient Last Name Bloggs
 Patient First Name Christine
 Sex Female
 Date of birth [REDACTED]
 FO₂(I) 95.0 %
 T 38.9 °C
 Sample type Arterial
 Operator P.Smith

Blood Gas Values

† pH 7.28 [-]
 ↓ pCO₂ 2.67 kPa [4.30 - 6.00]
 † pO₂ 14.8 kPa [11.1 - 14.4]
 Hct_C 22.6 %

Oximetry Values

ctHb 112 g/L
 FO₂Hb 97.2 % [94.0 - 98.0]
 sO₂ 99.3 %
 FCOHb 0.5 % [0.5 - 1.5]
 FHHb 0.7 % [0.0 - 5.0]
 † FMetHb 1.6 % [0.0 - 1.5]

Calculated Values

cBase(Ecf)_C -9 mmol/L
 cHCO₃⁻(P)_C 14.8 mmol/L

Electrolyte Values

cNa⁺ 138 mmol/L [136 - 146]
 † cK⁺ 4.9 mmol/L [3.4 - 4.5]
 cCl⁻ 101 mmol/L [98 - 106]
 cCa²⁺ 1.18 mmol/L [1.15 - 1.29]
 Anion Gap_C 22.2 mmol/L

Metabolite Values

† cGlu 6.7 mmol/L [3.9 - 5.8]
 † cLac 3.2 mmol/L [0.5 - 1.6]
 cCrea 96 μmol/L [44 - 97]

Notes

† Value(s) above reference range
 ↓ Value(s) below reference range
 † Value(s) above the critical limits
 c Calculated value(s)

RADIOMETER AQT90 FLEX

AQT90 FLEX FPH AQT90

Patient report

Sample no. 1215

Identifications

Patient ID 789987
Patient last name **Bloggs**
Patient first name **Christine**
Wells score 0
Operator **P.Smith**

↑ D-dimer 5420 µg/L [- 500]

Notes

↑ Value(s) above reference range

Printed



Slen 3
Clir

Patient Name: **Bloggs
Christine**

Patient ID: **789987**

Multistix® 8 SG

Test date

Time **P.Smith**

Operator

Test number 4120

Color Yellow

Clarity

Clear

GLU Negative

KET Negative

SG >=1.030

BLD Trace-lysed

pH 5.5

*PRO 1.0 g L *

NIT Negative

LEU Negative



Female

ABL827 FRIMLEY PARK AVE

PATIENT REPORT

Syringe - S 250uL

Sample #

186302

Identifications

Patient ID 789987
Patient Last Name Bloggs
Patient First Name Christine
Sex Female
Date of birth
FO₂(I) 21.0 %
T 38.9 °C
Sample type Venous
Operator P.Smith

Blood Gas Values

pH 7.285 [-]
pCO₂ 5.63 kPa [-]
pO₂ 3.21 kPa [-]
Hct_c 35.6 %

Oximetry Values

ctHb 115 g/L
FO₂Hb 29.5 % [-]
sO₂ 30.0 %
FCOHb 0.5 % [-]
FHHb 1 % [-]
FMetHb 1.2 % [-]

Calculated Values

cBase(Ecf)_c -6.1 mmol/L
cHCO₃⁻(P)_c 16 mmol/L

Electrolyte Values

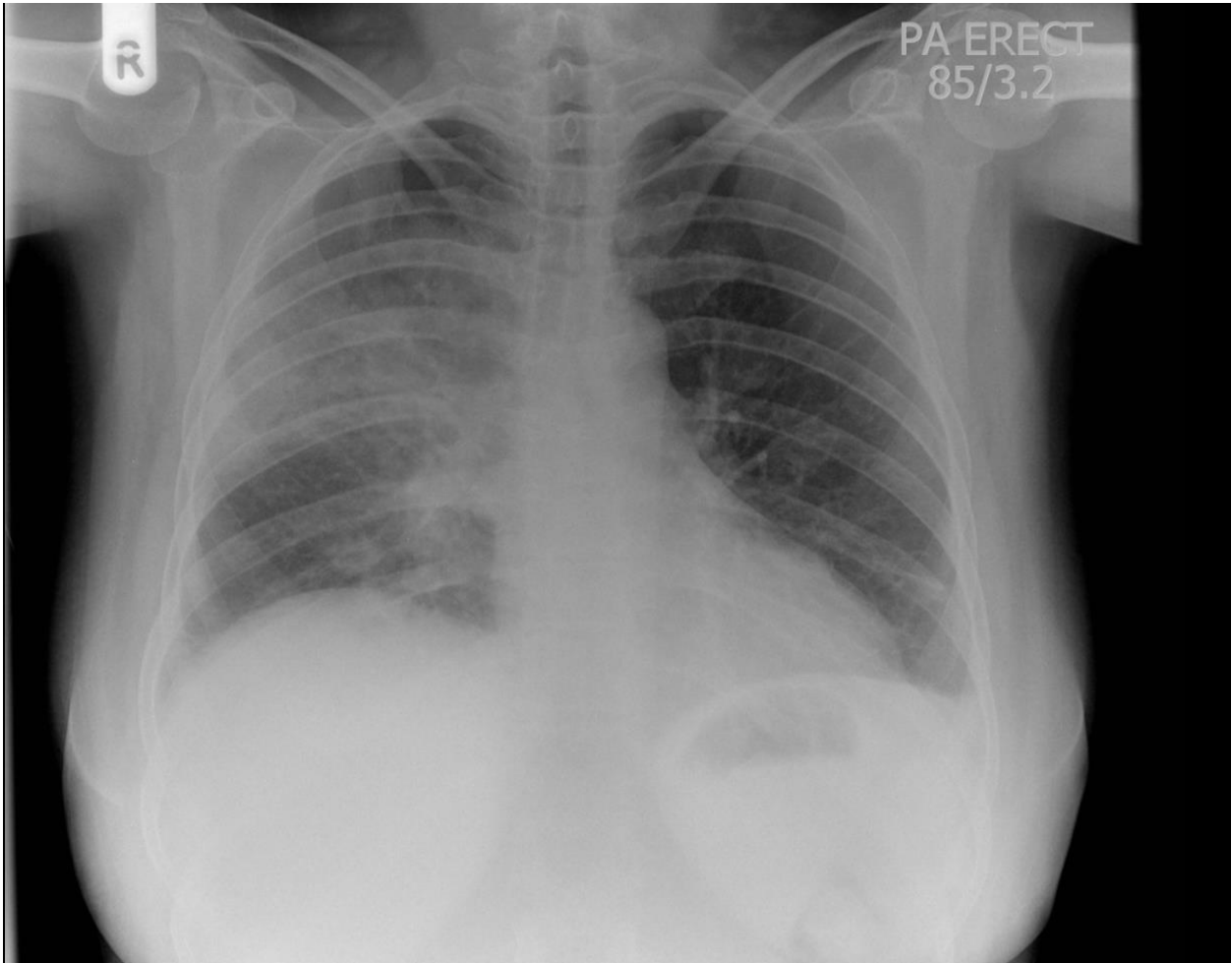
↓ cNa⁺ 136 mmol/L [136 - 146]
↑ cK⁺ 5.0 mmol/L [3.4 - 4.5]
↓ cCl⁻ 93 mmol/L [98 - 106]
↓ cCa²⁺ 1.08 mmol/L [1.15 - 1.29]
Anion Gap_c 13.3 mmol/L

Metabolite Values

↑ cGlu 6.8 mmol/L [3.9 - 5.8]
↑ cLac 8.2 mmol/L [0.5 - 1.6]
↑ cCrea 101 μmol/L [44 - 97]

Notes

↑ Value(s) above reference range
↓ Value(s) below reference range
c Calculated value(s)



**Frimley Park Hospital
Accident and Emergency**

Patient Name : Christine Bloggs	Collect Date :
Patient Number : 789987	Operator : ABX
Seq.# : 80	Sample ID : 13Z921223E
Birthdate : [REDACTED] Age : 70	Gender : U Running Date :
Comment :	Department :
	Physician :
	Blood Type : Standard

	WBC 18.5 <i>h</i> 10 ⁹ /mm ³	Range 4.0 ... 11.0	
	%	#	
	NEU 48.4 <i>!</i> 8.94 <i>!h</i>	0.0 ... 99.0 1.00 ... 7.50	
	LYM 38.9 <i>!</i> 7.79 <i>!H</i>	0.0 ... 99.0 1.50 ... 4.00	
	MON 10.0 <i>!</i> 1.85 <i>!h</i>	0.0 ... 99.0 0.20 ... 1.50	
	EOS 0.5 <i>!</i> 0.09 <i>!</i>	0.0 ... 99.0 0.04 ... 0.40	
	BAS 2.2 0.41 <i>h</i>	0.0 ... 99.0 0.00 ... 0.10	

 	RBC 3.82 10 ⁶ /mm ³	Range 3.80 ... 6.50	Suspected Pathology <i>LEUKO : lymphocytosis, large immature cell, nrbc's</i> <i>THROMBO : thrombopenia, macroplatelets</i>
	HGB 11.1 <i>!</i> g/dl	11.5 ... 18.0	
	HCT 34.4 <i>!</i> %	37.0 ... 54.0	
	MCV 90 μm ³	76 ... 96	
	MCH 29.2 pg	27.0 ... 32.0	
	MCHC 32.4 g/dl	32.0 ... 36.0	
	RDW 12.4 %	11.0 ... 15.0	
	PLT 44 <i>!L</i> 10 ⁹ /mm ³	150 ... 500	
	MPV 11.8 <i>H</i> μm ³	7.5 ... 9.0	

Morphology Flags	Analyzer Alarms
Leuko : LL, NL, ALY, LIC	

Microscopic Examination

	+ ++ +++		
Anisocytosis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hypochromia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Polychromasia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Poikilocytosis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Microcytosis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Macrocytosis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Plts Aggregates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Neutrophils	_____	Metamyelocytes	_____
Band Cells	_____	Myelocytes	_____
Lymphocytes	_____	Promyelocytes	_____
Monocytes	_____	Blasts	_____
Eosinophils	_____	Atypical	_____
Basophils	_____	NRBC's	_____
Comment :	<div style="border: 1px solid black; height: 30px; width: 100%;"></div>		

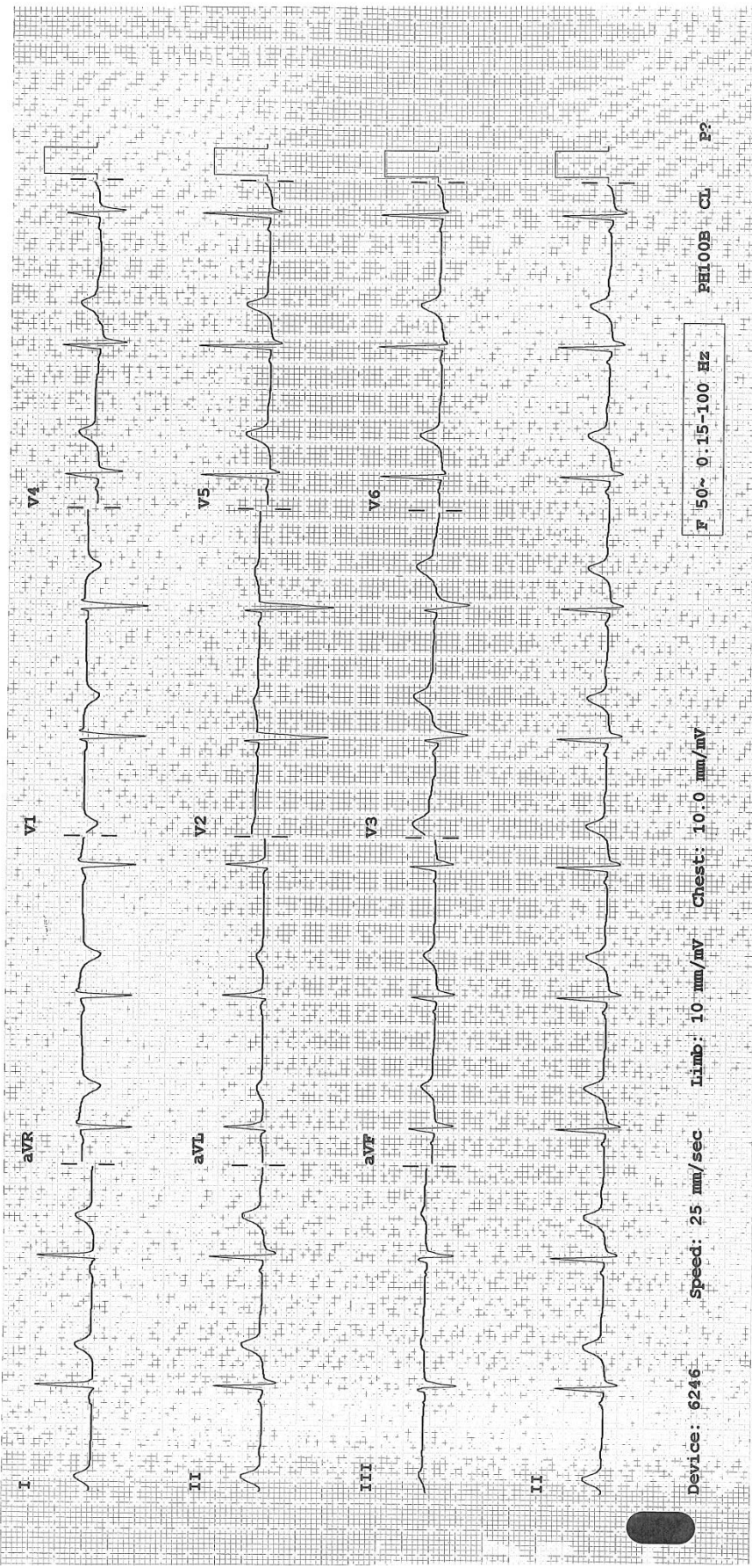
> < H/L Limits **XXX** > < H/L Limits **XXX** Reject **XXX** F: Female, M: Male, U: Unknown

PR 115 . Sinus rhythm.
 QRS 105 . Borderline short PR interval.
 QT 456
 QTc 460

--AXIS--
 P 15
 QRS 6
 T 40
 1.2 Lead; Standard Placement

- OTHERWISE NORMAL ECG -

Unconfirmed Diagnosis



NEWS - OBSERVATION CHART



Frimley Health
NHS Foundation Trust


Surname: Bloggs First name: Christine
Hospital number: 12345 D.O.B: 1.1.1949 Date of admission: Today

		DATE							DATE
		TIME							TIME
A+B Respirations Breaths/min	≥25		38						3
	21-24								2
	18-20								
	15-17								
	12-14								
	9-11								1
	≤8								3
A+B SpO2 Scale 1 Oxygen saturation (%)	≥96		96						1
	94-95								2
	92-93								3
	≤91								
SpO2 Scale 2† Oxygen saturation (%) Use Scale 2 if target range is 88-92%, eg in hypercapnic respiratory failure † ONLY use Scale 2 under the direction of a qualified clinician	≥97 on O ₂								3
	95-96 on O ₂								2
	93-94 on O ₂								1
	≥93 on air								
	88-92								
	86-87								1
	84-85								2
	≤83%								3
Air or oxygen?	A=Air		A						
	O2 L/min								2
	Device								
C Blood pressure mmHg Score uses systolic BP only	≥220								
	201-219								
	181-200								
	161-180								
	141-160								
	121-140								
	111-120								
	101-110								1
	91-100								2
	81-90			90					
	71-80								
	61-70								3
	51-60								
≤50									
C Pulse Beats/min	≥131								3
	121-130								2
	111-120								
	101-110								
	91-100								1
	81-90								
	71-80								
	61-70								
	51-60								
	41-50								1
	31-40								
	≤30								
		85							
D Consciousness Score for NEWS onset of confusion (no score if chronic)	Alert		A						
	Confusion								
	V								
	P								
	U								3
E Temperature °C	≥39.1°								2
	38.1-39.0°								1
	37.1-38.0°								
	36.1-37.0°								
	35.1-36.0°								1
	≤35.0°								
	38.9								3
NEWS TOTAL			67						
Monitoring frequency									
Pain score									
Initials									

National Early Warning Score 2 (NEWS2) © Royal College of Physicians 2017

Version: 201807_004

Product Code:

Hospital Number: 789987			
NHS Number:			
Title: Mrs Sex: female DoB: Age: 70 Yrs Surname: BIGGS First name: CURSNAB Address: Postcod: Tel (H): Tel (M): Employer / EDUC. EST: Religion: Language:		NOK: Address: Relationship: Tel (H): Tel (M): NOK: FRED BIGGS Address: Relationship: HUSBAND Tel (H): Tel (M):	
Source of Referral: A11A111111 Date of Arrival: Time of Arrival: TODAY Mode of arrival: No of Attendances in past year: Previous Attendance Number: To be seen in:		GP: Address: Tel No: Fax No:	
Speciality Expected: Speciality:	Time referred to speciality: Time seen:	Duty/On-Call Emergency Department Consultant:	
Presenting Complaint: SOB			
Triage Nurse: Presenting Complaint: History of Presenting Complaint: On Assessment: Previous Medical History: Social History:		Time of Triage	
		Triage (ESI)	
		Pain Score	
		Allergies	
		Tetanus Status	
		Triage Treatment	
		Triage Notes	
Temperature	39.0	Blood Pressure	90/68
Pulse	85	SP O ₂ (Air)	92
Respiratory rate	20	Pupils (Left)	
Peak Flow	(Pre/Post)	Blood sugar	
		Nurse Concern	
		GCS	EVM = /15
		Pupils (Right)	
		Weight	
MET SCORE =			

Hosp No.: 789987



Name	Signature	Initials	Position	Speciality	Date	Time

Have you considered the use of a Chaperone when seeing this patient,
Please refer to the Trust and Emergency Department Chaperone Policy.

Chaperone Used? Y / N

Name: _____

Presenting Complaint: *Cough feeling unwell*

HISTORY: (Please continue on continuation sheets if necessary)

<p><i>70 ♀, Cough unwell</i></p>	Age >65	<input type="checkbox"/>
	3 Coronary Artery Disease (CAD) Risk Factors: Family history, raised cholesterol, diabetes mellitus, hypertension, active smoker	<input type="checkbox"/>
	Known CAD stenosis >50%	<input type="checkbox"/>
	Aspirin use in past 7 days	<input type="checkbox"/>
	Recent (<24 hours) severe angina	<input type="checkbox"/>
	Raised cardiac markers (CK)	<input type="checkbox"/>
	ST deviation >0.5mm	<input type="checkbox"/>
	TIMI Risk Score	<input type="checkbox"/>
	Age >60	<input type="checkbox"/>
	BP >140/90	<input type="checkbox"/>
Clinical features: Unilateral weak (2 pts) Speech only (1 pt)	<input type="checkbox"/>	
Duration: >60 mins (2 pt) 10-59 mins (1 pt) <10 mins (0 pt)	<input type="checkbox"/>	
Diabetic ABCD2 Score (max 7)	<input type="checkbox"/>	
<p>Women of Childbearing age? LMP: Pregnant? Y / N</p>		

First Name(s): <u>Christine</u>	Ward	Date chart started	Chart number of
Surname: <u>BLOGGS</u>			
Hospital Number: <u>789987</u>	Consultant	Doctor bleep number	Date of admission
NHS Number: _____			
Date of Birth: _____			

Date weighed	Weight (kg)	Height (M)	Surface area (M ²)	Ideal Body Weight (IBW)	Body Mass Index (BMI)	Diet

Allergies (write 'none known' and sign if none known)

Drug/substance	Details of reaction
<u>NKDA</u>	

This patient also has the following additional charts (complete and tick relevant box (es))

IV heparin infusion chart	<input type="checkbox"/>	Chemotherapy chart	<input type="checkbox"/>	Medicines reconciliation	<input type="checkbox"/>
PCA	<input type="checkbox"/>	Epidural	<input type="checkbox"/>		<input type="checkbox"/>

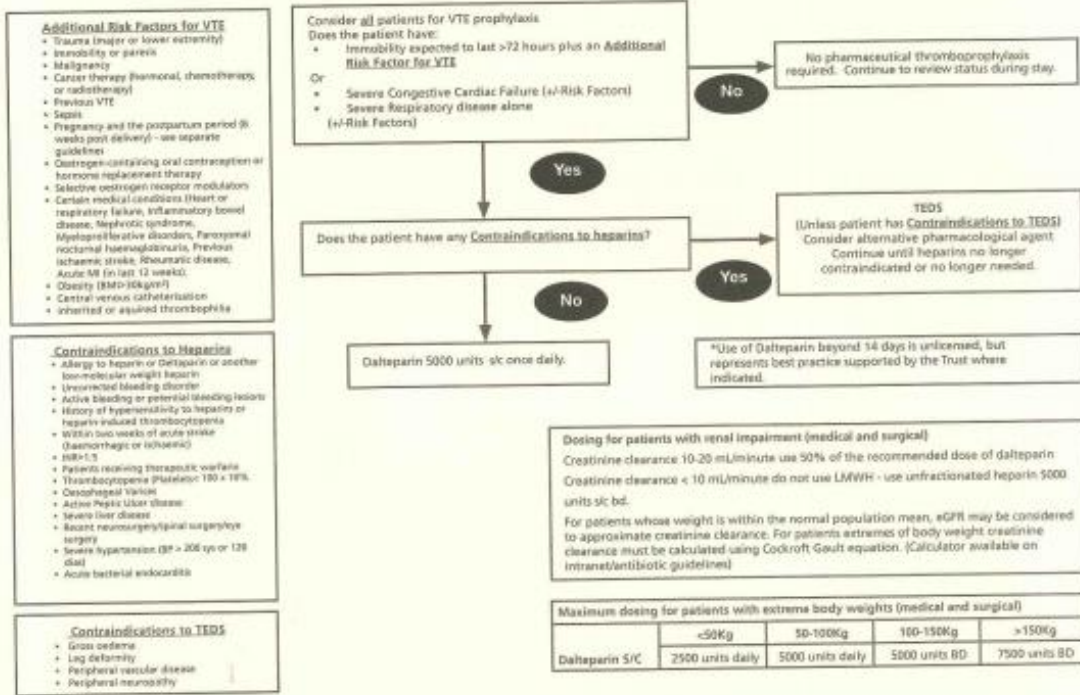
Communication for doctors

Date		Sign and Bleep No	Actioned sign and date

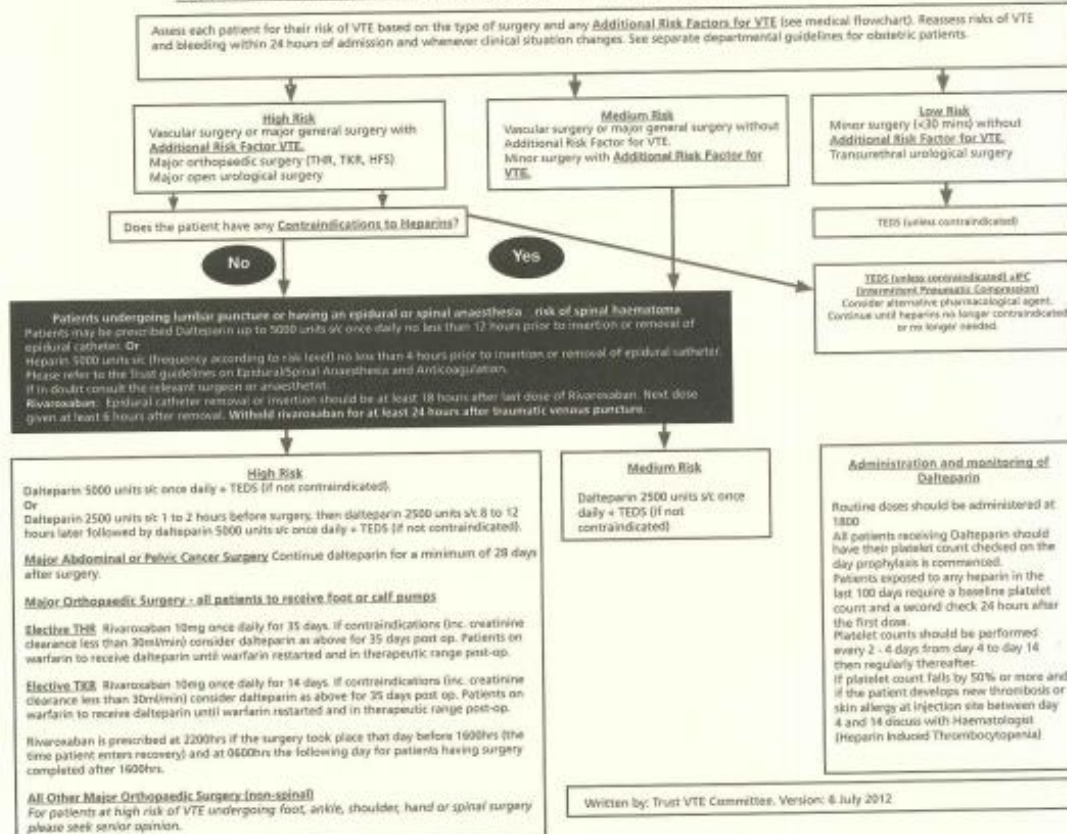
Does this patient smoke: Yes / No Is patient self medicating: Yes / No

Date of referral to smoking cessation nurse: _____

Prevention of Venous Thromboembolism in Acutely ill Adult Medical Patients (non-obstetric)



Prevention of Venous Thromboembolism in Adult Surgical Patients



RISK ASSESSMENT RECORD SHEET FOR VENOUS THROMBOEMBOLISM (VTE)

- Please use in conjunction with Trust guidelines overleaf
- Please see separate Trust guidelines for obstetric patients

Thrombosis Risk	Patient Related	Procedure Related	Initial Assessment _/_/	Assessment at 24 hours _/_/	Assessment at _/_/	Assessment at _/_/	
High	Previous VTE						
	Immobility expected to last >72 hours						
	Malignancy						
	Acute or chronic lung disease						
	Acute or chronic inflammatory disease						
	Chronic heart failure						
	Lower limb paralysis (excluding acute stroke)						
	Acute infectious disease, e.g. pneumonia						
	BMI >30kg/m ²						
	Inherited or acquired thrombophilia						
	Pregnancy or less than 6 weeks post partum						
		Hip or knee replacement					
		Hip fracture					
	Other major orthopaedic surgery						
	Surgical procedure lasting >30mins with additional VTE risk factor(s)						
Medium	Estrogen containing oral contraception or HRT						
	Selective oestrogen receptor modulators						
	Age > 60						
	Dehydration						
	Varicose veins with phlebitis						
	Minor surgical procedure with additional VTE risk factor(s)						
	Surgical procedure lasting >30mins with no additional VTE risk factors						
	Plaster cast immobilisation of lower limb						
Low	None of above	None of above					
Bleeding Risk/Contraindications	Patient Related	Procedure Related					
	Haemophilia or other known bleeding disorder						
	Thrombocytopenia (Platelets < 100 x 10 ⁹ /L)						
	Within two weeks of acute stroke (haemorrhagic or ischaemic)						
	Severe hypertension (BP > 200 systolic or 120 diastolic)						
	Severe liver disease						
	Oesophageal Varices						
	Active Peptic Ulcer disease						
	Active bleeding or potential bleeding lesions						
	Major bleeding risk, existing anticoagulant therapy						
	Severe renal disease						
		Neurosurgery, spinal surgery or eye surgery					
		Other procedure with high bleeding risk					
	Lumbar puncture/spinal/epidural in previous 4 hours or anticipated in next 12 hours						
Risk assessment performed by							
Signature							
Copy of Patient Information Leaflet given to patient			Yes	No			

ONCE ONLY DRUGS AND PREMEDICATION.

Date	Time	Drug	Dose	Route	Prescriber Sig. GMC no.	Batch number (vaccines only)	Time given	Sig.	Pharm.

DRUGS ADMINISTERED UNDER MIDWIFERY EXEMPTION AND PATIENT GROUP DIRECTIONS.

Date	Time	Drug	Dose	Route	Batch number (vaccines and blood products only)	Print name	Sig.

REASONS FOR DRUGS NOT ADMINISTERED AND ACTIONS TAKEN.

Date	Time	Drug (s)	Nurses signature	Reason(s) for non administration and action(s) taken

FOR DRUGS NOT ADMINISTERED ENTER THE APPROPRIATE CODE IN THE ADMINISTRATION BOX AND SIGN

1 NIL BY MOUTH
2 REFUSED
3 UNABLE (NEEDS)

REGULAR PRESCRIPTIONS

						MONTH/YEAR	DATE
						Q TIMES	
OXYGEN				Circle target saturation Adjust flow rate to maintain specified oxygen saturation		Target oxygen saturation 88 to 92% 94 to 98%	
PRESCRIBERS SIGNATURE				DATE		Other: _____	
Home Oxygen Indicated: YES / NO				Referral to Respiratory Nurse for HODP Date:		Nurse to initial against time to confirm oxygen is being administered and meeting specified target. Flow rate is to be documented to the left of the column, i.e.	
				2L Sign		Device	
PHARMACOLOGICAL VTE PROPHYLAXIS/TREATMENT INCLUDING NOACS				DOSE		ROUTE	
PRESCRIBERS SIGNATURE				GMC No.		START REVIEW STOP	
INDICATION AND SPECIAL INSTRUCTIONS				Please tick appropriate status <input type="checkbox"/> NEW <input type="checkbox"/> PRE AD <input type="checkbox"/> CHANGE			
PHARMACY				TO CONTINUE ON <input type="checkbox"/> YES DISCHARGE <input type="checkbox"/> NO			
POD H POD W							
MECHANICAL VTE PROPHYLAXIS				DOSE		ROUTE	
PRESCRIBERS SIGNATURE				GMC No.		START REVIEW STOP	
INDICATION AND SPECIAL INSTRUCTIONS				Please tick appropriate status <input type="checkbox"/> NEW <input type="checkbox"/> PRE AD <input type="checkbox"/> CHANGE			
PHARMACY				TO CONTINUE ON <input type="checkbox"/> YES DISCHARGE <input type="checkbox"/> NO			
POD H POD W							
WARFARIN AND OTHER COUMARIN ANTICOAGULANTS				DOSE		TIME	
PRESCRIBERS SIGNATURE				GMC No.		DATE STARTED	
INDICATION		DURATION		TARGET INR		PLEASE TICK APPROPRIATE STATUS <input type="checkbox"/> NEW <input type="checkbox"/> PREADMISSION	
PHARMACY		BOOK PROVIDED ON:		DATE COUNSELLED:		TO CONTINUE ON <input type="checkbox"/> YES DISCHARGE <input type="checkbox"/> NO	
POD H POD W		BY:		BY:		GIVEN BY	
DRUG (Approved Name)				DOSE		ROUTE	
PRESCRIBERS SIGNATURE				GMC No.		START REVIEW STOP	
INDICATION AND SPECIAL INSTRUCTIONS				Please tick appropriate status <input type="checkbox"/> NEW <input type="checkbox"/> PRE AD <input type="checkbox"/> CHANGE			
PHARMACY				TO CONTINUE ON <input type="checkbox"/> YES DISCHARGE <input type="checkbox"/> NO			
POD H POD W							
DRUG (Approved Name)				DOSE		ROUTE	
PRESCRIBERS SIGNATURE				GMC No.		START REVIEW STOP	
INDICATION AND SPECIAL INSTRUCTIONS				Please tick appropriate status <input type="checkbox"/> NEW <input type="checkbox"/> PRE AD <input type="checkbox"/> CHANGE			
PHARMACY				TO CONTINUE ON <input type="checkbox"/> YES DISCHARGE <input type="checkbox"/> NO			
POD H POD W							
DRUG (Approved Name)				DOSE		ROUTE	
PRESCRIBERS SIGNATURE				GMC No.		START REVIEW STOP	
INDICATION AND SPECIAL INSTRUCTIONS				Please tick appropriate status <input type="checkbox"/> NEW <input type="checkbox"/> PRE AD <input type="checkbox"/> CHANGE			
PHARMACY				TO CONTINUE ON <input type="checkbox"/> YES DISCHARGE <input type="checkbox"/> NO			
POD H POD W							

WHEN REQUIRED MEDICATION

OXYGEN

CIRCLE TARGET OXYGEN SATURATION
 88-92% 94-98% Other

OXYGEN			Date															
CIRCLE TARGET OXYGEN SATURATION 88-92% 94-98% Other			Time Started															
			Flow rate															
DEVICE	MAX FLOW RATE (Liters/min)		Device															
PREScriBER SIGNATURE	GMC No.	DATE	Given by															
DRUG (Approved name)			Date															
DOSE	ROUTE	FREQUENCY	Time															
PREScriBER SIGNATURE	GMC No.	DATE	Date															
INDICATION AND SPECIAL INSTRUCTIONS		<input type="checkbox"/> NEW <input type="checkbox"/> PRE AD	Route															
PHARMACY POD H POD W		TO CONTINUE ON DISCHARGE <input type="checkbox"/> YES <input type="checkbox"/> NO	Given by															
DRUG (Approved name)			Date															
DOSE	ROUTE	FREQUENCY	Time															
PREScriBER SIGNATURE	GMC No.	DATE	Date															
INDICATION AND SPECIAL INSTRUCTIONS		<input type="checkbox"/> NEW <input type="checkbox"/> PRE AD	Route															
PHARMACY POD H POD W		TO CONTINUE ON DISCHARGE <input type="checkbox"/> YES <input type="checkbox"/> NO	Given by															
DRUG (Approved name)			Date															
DOSE	ROUTE	FREQUENCY	Time															
PREScriBER SIGNATURE	GMC No.	DATE	Date															
INDICATION AND SPECIAL INSTRUCTIONS		<input type="checkbox"/> NEW <input type="checkbox"/> PRE AD	Route															
PHARMACY POD H POD W		TO CONTINUE ON DISCHARGE <input type="checkbox"/> YES <input type="checkbox"/> NO	Given by															
DRUG (Approved name)			Date															
DOSE	ROUTE	FREQUENCY	Time															
PREScriBER SIGNATURE	GMC No.	DATE	Date															
INDICATION AND SPECIAL INSTRUCTIONS		<input type="checkbox"/> NEW <input type="checkbox"/> PRE AD	Route															
PHARMACY POD H POD W		TO CONTINUE ON DISCHARGE <input type="checkbox"/> YES <input type="checkbox"/> NO	Given by															
DRUG (Approved name)			Date															
DOSE	ROUTE	FREQUENCY	Time															
PREScriBER SIGNATURE	GMC No.	DATE	Date															
INDICATION AND SPECIAL INSTRUCTIONS		<input type="checkbox"/> NEW <input type="checkbox"/> PRE AD	Route															
PHARMACY POD H POD W		TO CONTINUE ON DISCHARGE <input type="checkbox"/> YES <input type="checkbox"/> NO	Given by															
DRUG (Approved name)			Date															
DOSE	ROUTE	FREQUENCY	Time															
PREScriBER SIGNATURE	GMC No.	DATE	Date															
INDICATION AND SPECIAL INSTRUCTIONS		<input type="checkbox"/> NEW <input type="checkbox"/> PRE AD	Route															
PHARMACY POD H POD W		TO CONTINUE ON DISCHARGE <input type="checkbox"/> YES <input type="checkbox"/> NO	Given by															
DRUG (Approved name)			Date															
DOSE	ROUTE	FREQUENCY	Time															
PREScriBER SIGNATURE	GMC No.	DATE	Date															
INDICATION AND SPECIAL INSTRUCTIONS		<input type="checkbox"/> NEW <input type="checkbox"/> PRE AD	Route															
PHARMACY POD H POD W		TO CONTINUE ON DISCHARGE <input type="checkbox"/> YES <input type="checkbox"/> NO	Given by															
DRUG (Approved name)			Date															

Reminder: Prescribe on regular prescription and state "see variable prescription"

MONTH/YEAR →
DATE

Insulins - variable dosing

DRUG (Approved name)				ROUTE	SIG →	MONTH/YEAR →		DATE					
				S/C									
PRESCRIBERS SIGNATURE		GMC No.	START	STOP	TIMES	UNITS	SIG	UNITS	SIG				
DEVICES		Please tick appropriate status <input type="checkbox"/> NEW <input type="checkbox"/> PRE AD								Breakfast			
PHARMACY		TO CONTINUE ON DISCHARGE <input type="checkbox"/> YES <input type="checkbox"/> NO								Lunch			
POD H POD W										Dinner			
DRUG (Approved name)				ROUTE									
PRESCRIBERS SIGNATURE		GMC No.	START	STOP	TIMES	UNITS	SIG	UNITS	SIG				
DEVICES		Please tick appropriate status <input type="checkbox"/> NEW <input type="checkbox"/> PRE AD								Breakfast			
PHARMACY		TO CONTINUE ON DISCHARGE <input type="checkbox"/> YES <input type="checkbox"/> NO								Lunch			
POD H POD W										Dinner			
DRUG (Approved name)				ROUTE									
PRESCRIBERS SIGNATURE		GMC No.	START	STOP	TIMES	UNITS	SIG	UNITS	SIG				
DEVICES		Please tick appropriate status <input type="checkbox"/> NEW <input type="checkbox"/> PRE AD								Breakfast			
PHARMACY		TO CONTINUE ON DISCHARGE <input type="checkbox"/> YES <input type="checkbox"/> NO								Lunch			
POD H POD W										Dinner			

WHEN REQUIRED INSULINS

DRUG (Approved name)			Date						
DOSE (UNITS)	ROUTE	FREQUENCY	Time						
PRESCRIBERS SIGNATURE		GMC No.	DATE	DOSE (In Units)					
INDICATION AND SPECIAL INSTRUCTIONS				Route					
PHARMACY				Given by					
DRUG (Approved name)			Date						
DOSE (UNITS)	ROUTE	FREQUENCY	Time						
PRESCRIBERS SIGNATURE		GMC No.	DATE	DOSE (In Units)					
INDICATION AND SPECIAL INSTRUCTIONS				Route					
PHARMACY				Given by					
DRUG (Approved name)			Date						
DOSE (UNITS)	ROUTE	FREQUENCY	Time						
PRESCRIBERS SIGNATURE		GMC No.	DATE	DOSE (In Units)					
INDICATION AND SPECIAL INSTRUCTIONS				Route					
PHARMACY				Given by					

ANTIMICROBIAL PRESCRIPTIONS ONLY

DRUG (Approved name)		DOSE	ROUTE
PRESCRIBER'S SIGNATURE		GMC No.	INDICATION (MANDATORY)
START	48 HOUR REVIEW	2ND REVIEW DATE / TIME	3RD REVIEW DATE / TIME STOP
REVIEWED BY ⇨			
PHARMACY POD H POD W			

DATE ⇨																						
1 TIME																						

DRUG (Approved name)		DOSE	ROUTE
PRESCRIBER'S SIGNATURE		GMC No.	INDICATION (MANDATORY)
START	48 HOUR REVIEW	2ND REVIEW DATE / TIME	3RD REVIEW DATE / TIME STOP
REVIEWED BY ⇨			
PHARMACY POD H POD W			

DATE ⇨																						
1 TIME																						

DRUG (Approved name)		DOSE	ROUTE
PRESCRIBER'S SIGNATURE		GMC No.	INDICATION (MANDATORY)
START	48 HOUR REVIEW	2ND REVIEW DATE / TIME	3RD REVIEW DATE / TIME STOP
REVIEWED BY ⇨			
PHARMACY POD H POD W			

DATE ⇨																						
1 TIME																						

DRUG (Approved name)		DOSE	ROUTE
PRESCRIBER'S SIGNATURE		GMC No.	INDICATION (MANDATORY)
START	48 HOUR REVIEW	2ND REVIEW DATE / TIME	3RD REVIEW DATE / TIME STOP
REVIEWED BY ⇨			
PHARMACY POD H POD W			

DATE ⇨																						
1 TIME																						

DRUG (Approved name)		DOSE	ROUTE
PRESCRIBER'S SIGNATURE		GMC No.	INDICATION (MANDATORY)
START	48 HOUR REVIEW	2ND REVIEW DATE / TIME	3RD REVIEW DATE / TIME STOP
REVIEWED BY ⇨			
PHARMACY POD H POD W			

DATE ⇨																						
1 TIME																						

DRUG (Approved name)		DOSE	ROUTE
PRESCRIBER'S SIGNATURE		GMC No.	INDICATION (MANDATORY)
START	48 HOUR REVIEW	2ND REVIEW DATE / TIME	3RD REVIEW DATE / TIME STOP
REVIEWED BY ⇨			
PHARMACY POD H POD W			

DATE ⇨																						
1 TIME																						

MRSA Status

New	Previous Admission

C. Diff Status

New	Previous Admission

ONCE DAILY GENTAMICIN PRESCRIPTION

Use gentamicin calculator or intranet to calculate dose.

Level must be taken 6 to 14 hours after the first dose has been given.

Specify Dosing Regime	5mg/kg	3mg/kg	Other						
Indication: _____									
Date to be given	Time to be given	Dose (mg)	Prescribers signature GMC No.	Date of sig.	Start time of infusion	Given by: (sign)	Date and Time blood level taken	Time sign:	Gentamicin Levels mg/l

General Guidance

- All antimicrobial prescriptions MUST follow the Trust's Antimicrobial Policies or MUST have been agreed by Microbiology. See full up to date policy on intranet.
- INDICATION, STOP AND REVIEW DATES MUST BE RECORDED ON THE CHART.**
- CURB 65 score MUST be recorded for all community acquired pneumonia.
- Check previous relevant microbiology results before prescribing antibiotics and check new microbiology results daily. If a patient is not responding to treatment seek advice from a consultant microbiologist.
- Doses need to be adjusted to suit patient's age, size and renal function. To calculate creatinine clearance use calculator on intranet and see dose adjustments for antibiotics.
- All IV regimes MUST be reviewed at 48 hours and switched to oral if appropriate.

IV SWITCH GUIDELINES

IF YES to all, consider change to ORAL	IF YES to any, remain on IV
Patient able to swallow and tolerate oral fluids?	Oral route compromised?
Temperature settling and < 38°C for at least 48hrs?	Continuing serious sepsis?
Heart rate <100bpm for last 12hrs? (no unexplained tachycardia)	Febrile with neutropenia?
WCC between 4-12x10 ⁹ /L?	Specific indication / deep seated infection. (Meningitis, endocarditis, encephalitis, osteomyelitis, neutropenia, cystic fibrosis, septicaemia, haematology/ immunocompromised pts, continuing sepsis, other severe infections as discussed with microbiology.) Seek microbiology advice if unsure.
Oral formulation available?	
Others markers: BP stable Respiratory rate <20 breaths/min CRP returning to normal and less than 100 (adult)	
Absence of mental confusion (when representing symptoms of infection)	No oral formulation available (seek microbiology advice on alternative)

DRUGS TO BE ADMINISTERED BY INTRAVENOUS / SUBCUTANEOUS INFUSION

Date	Time	Infusion solution	Drugs to be added	Total volume	Route	Complete either or		Signature GMC No.	Start time/stop time	Given by/checked by	Pharm.
						Rate	Duration of infusion				