

# **Scenario**

## **SUMMARY**

**Setting:** Emergency Department

Clinical focus: 4 month old with bronchiolitis

Situational factors: Ex preterm infant

## **Learning Objectives:**

Initial assessment of an unwell neonate

Understanding of differential diagnoses for respiratory distress in a baby – maintain

broad differential including cardiac / metabolic disorder

Awareness of the UHL and NIC guidance for management of bronchiolitis

# STAGE DESIGN /PROPS / TECHNICAL SET UP

Sim baby.

## **BRIEFING TO PARTICIPANTS: Scene**

A 4 month old baby is brought to the ED by his parents. They report he has been snotty and off feeds for the last few days and today has vomited after each breast feed and has developed difficulty with his breathing.

PRESENTATON	EXPECTED RESPONSE	ACTORS NOTES		
TRESENTATION	EXTEGIED RESTONSE	Parent (If available): Helpful Faculty nurse: Helpful		
Examination: A: Patent B: RR 60, Sats 89% in air, recessions and tracheal tug C: HR180, CRT 2 sec centrally D: BM 5, Temp 37'C E: No rashes	ABCDEFG Specifics: High flow oxygen	O2 – high flow If further history taking reveal he is an ex preterm infant who was born at 35 weeks and spent 2 weeks in SCBU establishing feeds. Breast fed		
Progress – Improves: Sats improve to 96% in oxygen Tracheal tug improves, remains with recessions. HR improves to 160.	Consider cardiac and metabolic diagnoses  Consider placing NG tube for feeding  Discuss with CAU spr	If cap gas taken pH 7.44 pCO2 3.5 pO2 12 BE -3 Lactate 1.2 Glucose 5  If CXR taken nil focal		
Progress – Deteriorates: Worsening respiratory distress – may start to have apnoeas	Call for senior help	Remain helpful		
<b>DEBRIEF</b> As required based on identified issues/frames	CLINICAL Resp/cardiac/metabolic	CRM		



Sample No.: S1234567

Name: Percy Chuggington

Patient ID:

Comments:

Rack:

Tube:

12:34:35

Ward:

Dr.: Birth:

Sex:

Inst.ID:XS-800i^65614

[10<sup>9</sup>/L] **WBC** 8.2 [10^12/L] **RBC** 2.08 [g/L] **HGB** 145 **HCT** [Ratio] 0.184 MCV 88.0 [fL] MCH 29.8 [pg] 339 **MCHC** [g/L][10<sup>9</sup>/L] 200 **PLT** RDW-SD [fL] 42.4 RDW-CV 14.0 [%] **PDW** 11.3 [fL] MPV 10.5 [fL] P-LCR 27.7 [%]

PCT 0.18 [%] **NEUT** [10<sup>9</sup>/L] 65.5 4.2 15.6 \* LYMPH 2.75 [10<sup>9</sup>/L] 9.0 \* [10<sup>9</sup>/L] MONO 1.58 [10^9/L] 0.2 \* 0.04 EO

[10<sup>9</sup>/L]

0.2

#### Actions required

**BASO** 

- □ Normal
- □ Abnormal but no immediate danger

0.03

☐ Significantly abnormal results -\*patient in imminent danger\*

document STAT actions taken

NPT samples processed by

NIDT reculte





# Measurement report

2:52

Serial number : 19241 Instrument ID : LRI A&E 1 Operator ID : blood Leicester Royal Infirmary A&E

	LOIC	ester Roya	11111	111116	aiy / tal		
Pat. ID		C122/1567					
Last name	, C	Chugginton					
First name		Percy					
		Celulosianus • )					
Blood type	Ve	nous					
FIO <sub>2</sub>	0.	.21					
						7.050	. 7 4501
рН	7.44	(-)			[	7.350 -	7.450]
PCO <sub>2</sub>		kPa			[	4.27 -	6.40]
PO <sub>2</sub>	12	kPa ()	*		[	11.07 -	14.40]
BE	-3	mmol/L					
cHCO <sub>3</sub>		mmol/L					,
CHCO <sub>3</sub>	20	IIIIIIOI/L					
Na <sup>+</sup>	137	mmol/L			]	136.0 -	145.0]
K <sup>+</sup>	4.0	mmol/L			Ī	3.50 -	5.10]
Ca <sup>2+</sup>	1.3	mmol/L			ī	1.150 -	1.330]
CI.	2.0	mmol/L			ī	98.0 -	107.0]
OI .	100	111110112					•
Glu	5.0	ımol/L			[	3.5 -	5.3]
Lac	1.2	mmol/L			[	0.4 -	0.8]
Urea	3.5	mmol/L		,	]	2.5 -	6.4]
AG	18.2	mmol/L					
		mOsm/kg					
Osm	288	mosmikg					
Hct	45	% ()			]	36.0 -	53.0]
Hct(c)	45	%					
tHb	145	n/L			[	115.0 -	178.0]
SO <sub>2</sub>	78	6 1			[	94.0 -	98.0]
COHb	1	%			]	0.0 -	3.0]
MetHb	1.4	%			[	0.0 -	1.5]
HHb	2.5	%			[	0.0 -	2.9]
O <sub>2</sub> Hb		%	3		Ī	94.0 -	98.0]
	38						
Bili		of range (-)			[	51-	850]

# **EMERGENCY DEPT** ATTENDANCE RECORD

University Hospitals Of LEICESTER NHS Trust Leicester Royal Infirmary UHL Trust

Printed Copy No. 1

NHS Barcode:

**LEICESTER** 

# PATIENT IDENTIFIER

Hospital No S1234567

NHS No

Last Name

CHUGGINGTON

Forename

PERCY

Date Of Birth

Age: 4 MTH

Sex

MALE

**Ethnic Category** 

WHITE

Address

222 LITTLE ENGINE DRIVE

LEICESTER

Le1 2ch

(Home)

1234567

(Work)

0116 1234567

(Mobile)

Occ/School

NONE

Interpreter Required No

Language

Home - Own

# NEXT OF KIN/EMERGENCY CONTACT

Name

SARAH CHUGGINGTON

Relationship

MOTHER

Address

22 LITTLE ENGINE DRIVE

LEICESTER

LE1 2CH

(Home)

0116 1234567

(Work)

0116 1234567

**Emergency Contact** 

T

## **REGISTERED GP**

Name

THE SURGERY

Surgery

123 SODOR ROAD

LEICESTER



0116 1234567

TRIAGE

**ED** Arrival

Triage Assessment

Complaint

Triage Nurse

Nurse Assessment

**Triage Category** 

1

**CLINICAL ALERTS/ALLERGIES** 

Allergies

NONE

Clinical Alert

NONE

ATTENDANCE HISTORY

Date

Discharge Diagnosis