

The Primary Care Trigger Tool

Example of a General Practice Medical Record Ms. Annette Curtain, D.O.B. 01/01/1935

This fictional medical record is intended to be used as part of the practical training in the use of the trigger tool method. It purposefully imitates an authentic printed summary sheet that the vast majority of practices generate on a daily basis. The correspondence and investigation results that are included have been designed to represent printed copies of documents as they would commonly be used in Scotland's general medical practices.

The following should be taken into consideration when attempting a review:

- Review only the three full calendar months **February-April 2010**
- The maximum time limit of this exercise should be **twenty minutes**
- Record extracted data on a trigger tool proforma. Incidental findings and descriptions can be entered into the space provided.

The trigger tool process is described in a separate guide. Some of the key points were:

- The focus is harm, not error.
- You do not necessarily have to find every trigger. Most harm incidents will have more than one trigger helping to detect it.

The trigger tool review process may be facilitated by remembering five questions:

- Can a trigger(s) be detected?
- Did harm occur?
- What was the severity of the harm?
- Was the harm incident preventable?
- Where did the harm incident originate?

A full discussion of the practical findings of this case, including the number and type of triggers and harm events are available.

Disclaimer

This complete medical record is fictional. It was created by NHS Education Scotland to support training in the use of the Trigger Tool method. The patients, healthcare professionals, providers and all other persons referred to are entirely fictional. Any resemblance to any person (living or dead) is entirely unintentional. This training material is the property of NHS Education Scotland and may be used free of charge on request from nes@nes.scot.nhs.uk.

Registration

Mrs. Annette Curtain
39 Main Street
FORTH, LANARK

Service Code: Temporary Resident
D0B: 01/01/1935
Age: 75

Telephone: 01555 555 555

Contact: Mrs. Jones

ContactRelship:
Daughter

Email: ?

CHI Number: 5555555555

NHS Number: ?

Patient ID:

Occupation: Pensioner

Registered GP: Dr Carl De Wet

Repeat Consultation: ?

Registered: 01/09/2009

Confirmed: 14/09/2009

BMI: 33.7

Height: 1.57 m

Weight: 83kg

Parity: 1

Gravida: 2

SCI-DC Consent Given: Yes

Dispensing: No

Road: 0 Water: 0 FootPath: 0

Marital Status: Single

Seen By GP: Dr Carl De Wet

Acute Consultation: 02/06/2010

Records Received: 27/09/2009

BP: 142/78

Priority Clinical / User Marker

Date Recorded	Start Date	Priority	Description	Modifier
06/05/2010	None	High	Allergic drug reaction NOS	
Freetext: Cocodamol				
17/02/2010	None	High	Allergic drug reaction NOS	
Freetext: Amlodipine				
30/09/2009	None	High	Hypertensive disease	
04/05/2007	None	High	H/O: diabetes mellitus	
Freetext: diet controlled				

Repeat Medication

Drug/Preparation	Quantity/Dose/Frequency	Start	Last	Pres.	Intervals	
					Review	CMS Int.
Ramipril TABS 2.5MG	28 one tab dly	02/06/2010	02/06/2010	30d	52w	w.
Paracetamol TABS 500MG	112 2 tabs 4x day	02/06/2010	02/06/2010	28d	52w	w.

Adverse Reactions

Read Code	Description	Date
SN52. ADR Description Amlodipine	Drug hypersensitivity NOS	17/02/2010
SN52. ADR Description Cocodamol	Drug hypersensitivity NOS	06/05/2010

Clinical / User Marker

Date Recorded	Start Date	Priority	Description	Modifier
03/03/2010	None	Low	Alcohol intake within recommended sensible limits	
03/03/2010	None	Low	Assessing cardiovascular risk using SIGN score	
03/03/2010	None	Low	Avoids even trivial exercise	
03/03/2010	None	Low	Ex smoker	
03/03/2010	None	Low	FH: Diabetes mellitus in first degree relative	
03/03/2010	None	Low	Influenza vaccination	
03/03/2010	None	Low	Lifestyle counseling	
03/03/2010	None	Low	No FH: Ischaemic heart disease	
03/03/2010	None	Low	Pneumococcal vaccination contraindicated	
03/03/2010	None	Low	Smoking cessation advice	
09/09/2008	None	Low	Medication review done	
07/09/2008	None	Low	Consent given for pandemic influenza vaccination	
07/09/2008	None	Low	PANDEMRIX - first influenza A(H1N1v) 2009 vac given	
07/09/2008	None	Low	Fast alcohol screening test	
07/09/2008	None	Low	Pneumococcal vaccination given	
07/09/2008	None	Low	Influenza vacc consent given	
07/09/2008	None	Low	Influenza vaccination Left Arm - Batch Number: S31 Exp: 6/10	
07/09/2008	None	Low	Smoking cessation advice given	

Last Encounter

Lorraine Urquhart

Date: 02/06/2010

General review .BP 145/85. Plan .bloods done. D/W GP and increase Ramipril to 2.5 mg dly = pt has her own supply and will double dose

Acute Prescriptions

Drug/Preparation	Quantity/Dose/Frequency	Date
Flucloxacillin CAPS 500MG	28 one cap 4x day	12/03/2010
Ramipril CAPS 1.25MG	28 one caps dly	22/03/2010
Co-Codamol 30mg/500mg TABS	60 1 or 2 Tabs every 4 to 6 hours	05/05/2010
Paracetamol TABS 500MG	50 1 or 2 Tabs	06/05/2010
Ramipril CAPS 10MG	28 1 cap daily	17/02/2010
Amlodipine TABS 5MG	28 one tab dly	05/02/2010

Inactive Repeat Drugs

Drug/Preparation	Quantity/Dose/Frequency	Start	Last	Pres	Review	CMS Int.
Bendroflumethiazide TABS 2.5MG	56 1 Tab in the morning	09/09/2008	16/02/2010	28d	26	w.
Ramipril TABS 10MG	28 one tab dly	17/02/2010	17/02/2010	30d	52w	w.

Screening

None

Referrals

Date Rec	Priority	Ref. appt	Provider	Specialty	Reason for referral	Ref. by	Attendance type
----------	----------	-----------	----------	-----------	---------------------	---------	-----------------

Acute/Inactive Care Management

Type	Name	Last Review	Recall	Next review	Num Session
Acute	1 st SPICE Index	02/06/2010	N/A	N/A	1
Chronic	SPICE smoking	02/06/2010	Inactive		1
Chronic	SPICE basic health values	02/06/2010	Inactive		1
Chronic	SPICE hypertension	02/06/2010	Inactive		1
Chronic	SPICE Diabetes	02/06/2010	Inactive		2

Palliative Care

Associates

Title	Forename	Surname	Relationship	Relationship Type
-------	----------	---------	--------------	-------------------

Associate Of

Title	Forename	Surname	Relationship	Relationship Type
-------	----------	---------	--------------	-------------------

Clinical Values

Date	Value Type	Value
03/03/2010	Diastolic	78
09/09/2008	Height	1.57
03/03/2010	Systolic	142
19/03/2010	Weight	83



F3 Clinical Notes

Date	Con	Prov	F3 Clinical Notes
02/06/2010	☺	PN	General review - BP 145/85. Plan - bloods done. D/W GP and increase Ramipril to 2.5 mg dly = pt has her own supply and will double dose
28/05/2010	☺	GP	Pain in knee persists. Unable to sleep and generally fed up'. Exam - as before Plan - advised on physio self-referral. Consider orthopaedic referral if no improvement
06/05/2010	☺	GP	Tried Cocodamol, but faint/dizzy and generally unwell. Plan - stop. regular Paracetamol
05/05/2010	☺	GP	Pain in left knee for 1/52, with assoc stiffness Ex - normal gait, reduced ROM but no effusion, crepitus IMP - OA Plan - Cocodamol
04/04/2010	☺	PN	BP 150/80 Plan - increase ramipril to 2.5 mg dly, UCE checked
22/03/2010	☺	GP	See prey entries - UCE normal, BP 160/95 x2. Plan - restart Ramipril 1.25 mg and review with PN - titrate carefully
19/03/2010	☺	PN	Wrist redness now almost completely gone - bruising on arms fading. BP 145/85, Bloods done
15/03/2010	☎	GP	Redness wrist resolving, but copious diarrhoea -tolerating fluids. Imp: likely AAD Plan - stop Flucloxacillin, review if needed
12/03/2010	🏠	GP	See prey entry - Ex: left arm tracking, redness and tenderness. Systemically stable. Imp - cellulitis, sec to IVI Plan - oFlucloxacillin
12/03/2010	☎	GP	Review phone call. Patient discharged from hospital - 'much better' but concerned redness and pain left wrist ?IVI site Plan - review (HV)
04/03/2010	🏠	GP	Weakness, fatigue and occasional palpitations. Lives alone with daily, private home help Ex - BP 120/75, p55R, respiration clear, mobilizing but staggering. Imp - likely hyperkalaemia Plan - d/w MOC and admit for observation
03/03/2010	☎	GP	Lab phoned with blood results - K=6.5, non-haemolyzed. Plan - phone patient - no response
03/03/2010	☺	PN	BP 135/75. Bloods taken as per GP request for UCE, eGFR. SPICE done
17/02/2010	☺	GP	See prey entry - unacceptable, bilateral ankle swelling. Ex - BP 150/88 l=r Imp - oedema sec to Amlodipine Plan - discontinue and start ACE, with PN f/u for UCE 2/52
05/02/2010	☺	GP	Bilateral, dull headaches, worsening over last few weeks. Ex- BP 170/90 sit=stand x2 readings Imp - uncontrolled hypertension Plan - add amlodipine, review 2/52
09/09/2008	☺	GP	High BPs x3 - referred by PN. Plan - commence diuretic
07/09/2008	☺	PN	BP 165/95, 175/105. SPICE, general advice – will make appt to see GP to discuss blood pressure

WISHAW/GENERAL HOSPITAL		HAEMATOLOGY REPORT			
Name: Annette Curtain		Sex: M	Date of Birth: 01/01/1935		
Specialist To: THE WELCOME SURGERY FORTH LANARK		Previous Reference: 0000055555			
Date and time of specimen: 07/09/2008 10:15		Date and time of report: 07/09/2008 15:50		Investigator/Reference: 0000055555	
Clinical Information: none given					


Ht	14.1 g/dL (16.5)	WBC	4.91 x10 ⁹ /L (4.00 - 11.00)	PLAT	237 x10 ⁹ /L (140 - 450)
MCV	91.2 fl (80.0 - 100.0)	RBC	*3.70 x10 ¹² /L (3.90 - 5.60)	Hct	*0.337 L/L (0.370 - 0.470)
MCH	27.5 pg (27.0 - 32.0)	MCHC	*30.2 g/dL (32.0 - 36.0)		
Neutrophils	3.19 x10 ⁹ /L (2.00 - 7.50)				
Lymphocytes	*0.94 x10 ⁹ /L (1.00 - 4.00)				
Monocytes	0.48 x10 ⁹ /L (0.20 - 0.80)				
Eosinophils	0.16 x10 ⁹ /L (0.04 - 0.40)				
Basophils	0.01 x10 ⁹ /L (0.01 - 0.10)				
LUC's	0.13 x10 ⁹ /L (0.00 - 0.40)				

Authorised By :					
FOR NORMAL VALUES PLEASE		Date and time of report: 07/09/2008 16:45			

WISHAW GENERAL HOSPITAL		BIOCHEMISTRY REPORT		
Annette Curtain		M	01/01/1935	0000055555
THE WELCOME SURGERY FORTH LANARK			Dr. C. de Wet	
Date and time of specimen 07/09/2008 09:50		Date and time received 07/09/2008 16:50		0000055555
Clinical Information General review 20mgs, ?hypo, (fast).				
Sodium	144	mmol/L	(135 to 145)	
Potassium	4.2	mmol/L	(3.5 to 5.0)	
Total CO2	* 29	mmol/L	(21 to 28)	
Urea	4.7	mmol/L	(2.5 to 7.5)	
Creatinine	97	umol/L	(60 to 120)	
Creatine Kinase (r.Total)	100	U/L	(~ up to 150 ~)	
Estimated GFR	> 59	ml/min/1.73m2		
Plasma Glucose (fasting)	4.1	mmol/L	(4.0 to 6.0)	
Alanine Transaminase	16	U/L	(less than 50)	
Total Bilirubin	* 41	umol/L	(0 to 21)	
Alkaline Phosphatase	98	U/L	(40 to 150)	
Albumin	42	g/l	(36 to 52)	
Authorised By : L.A.B. Technician				
 FOR EXPLANATORY NOTES PLEASE SEE OVER ALL ENQUIRIES CONTACT "THE DUTY BIOCHEMIST" TEL: 01698 361100			07/09/2008 12:15	

WISHAW GENERAL HOSPITAL		BIOCHEMISTRY REPORT		NHS Lanarkshire	
Annette Curtain		M	01/01/1935	0000055555	
THE WELCOME SURGERY FORTH			LANARK	Dr. C. de Wet	
Date and time of specimen		Date and time received		0000055555	
07/09/2008 09:50		07/09/2008 16:50			
Clinical Information					
General review					
<p>Specimen - Fasting? - No indication on request form.</p> <p>- Triglycerides 0.8 mmol/L (up to 2.4)</p> <p>- Total Cholesterol * 5.8 mmol/L (up to 5.0)</p> <p>- HDL Cholesterol * 1.9 mmol/L (0.9 to 1.8)</p> <p>- Total/HDL Ratio 3.1</p> <p>- LDL Cholesterol (calc) * 3.5 mmol/L (up to 3.0)</p>					
Computer Authorised					
CPA		FOR EXPLANATORY NOTES PLEASE SEE OVER ALL ENQUIRIES CONTACT "THE DUTY BIOCHEMIST" TEL: 01698 361100			07/09/2008 12:15

WISHAW GENERAL HOSPITAL		HAEMATOLOGY REPORT		NHS Lancashire																																																																								
Name	Annette Curtain	Sex	M	Date of Birth																																																																								
				01/01/1935																																																																								
Referral Reference	0000055555																																																																											
Referral To	THE WELCOME SURGERY FORTH	LANARK	Referral Ref ID	Dr. C. de Wet																																																																								
Date and time of collection	03/03/2010 10:15	Date and time of report	03/03/2010 15:50	Referral Reference																																																																								
				0000055555																																																																								
Clinical Information																																																																												
none given																																																																												
<table border="0"> <tr> <td>Ht</td> <td>13.6 g/dL</td> <td>WBC</td> <td>4.91 x10⁹/L</td> <td>PLAT</td> <td>237 x10⁹/L</td> </tr> <tr> <td></td> <td>(16.5)</td> <td></td> <td>(4.00 - 11.00)</td> <td></td> <td>(140 - 450)</td> </tr> <tr> <td>MCV</td> <td>91.2 fl</td> <td>RBC</td> <td>* 3.70 x10¹²/L</td> <td>Hct</td> <td>* 0.337 L/L</td> </tr> <tr> <td></td> <td>(80.0 - 100.0)</td> <td></td> <td>(3.90 - 5.60)</td> <td></td> <td>(0.370 - 0.470)</td> </tr> <tr> <td>MCH</td> <td>27.5 pg</td> <td>MCHC</td> <td>* 30.2 g/dL</td> <td></td> <td></td> </tr> <tr> <td></td> <td>(27.0 - 32.0)</td> <td></td> <td>(32.0 - 36.0)</td> <td></td> <td></td> </tr> <tr> <td>Neutrophils</td> <td>3.19 x10⁹/L</td> <td></td> <td>(2.00 - 7.50)</td> <td></td> <td></td> </tr> <tr> <td>Lymphocytes</td> <td>* 0.94 x10⁹/L</td> <td></td> <td>(1.00 - 4.00)</td> <td></td> <td></td> </tr> <tr> <td>Monocytes</td> <td>0.48 x10⁹/L</td> <td></td> <td>(0.20 - 0.80)</td> <td></td> <td></td> </tr> <tr> <td>Eosinophils</td> <td>0.16 x10⁹/L</td> <td></td> <td>(0.04 - 0.40)</td> <td></td> <td></td> </tr> <tr> <td>Basophils</td> <td>0.01 x10⁹/L</td> <td></td> <td>(0.01 - 0.10)</td> <td></td> <td></td> </tr> <tr> <td>LUC's</td> <td>0.13 x10⁹/L</td> <td></td> <td>(0.00 - 0.40)</td> <td></td> <td></td> </tr> </table>					Ht	13.6 g/dL	WBC	4.91 x10 ⁹ /L	PLAT	237 x10 ⁹ /L		(16.5)		(4.00 - 11.00)		(140 - 450)	MCV	91.2 fl	RBC	* 3.70 x10 ¹² /L	Hct	* 0.337 L/L		(80.0 - 100.0)		(3.90 - 5.60)		(0.370 - 0.470)	MCH	27.5 pg	MCHC	* 30.2 g/dL				(27.0 - 32.0)		(32.0 - 36.0)			Neutrophils	3.19 x10 ⁹ /L		(2.00 - 7.50)			Lymphocytes	* 0.94 x10 ⁹ /L		(1.00 - 4.00)			Monocytes	0.48 x10 ⁹ /L		(0.20 - 0.80)			Eosinophils	0.16 x10 ⁹ /L		(0.04 - 0.40)			Basophils	0.01 x10 ⁹ /L		(0.01 - 0.10)			LUC's	0.13 x10 ⁹ /L		(0.00 - 0.40)		
Ht	13.6 g/dL	WBC	4.91 x10 ⁹ /L	PLAT	237 x10 ⁹ /L																																																																							
	(16.5)		(4.00 - 11.00)		(140 - 450)																																																																							
MCV	91.2 fl	RBC	* 3.70 x10 ¹² /L	Hct	* 0.337 L/L																																																																							
	(80.0 - 100.0)		(3.90 - 5.60)		(0.370 - 0.470)																																																																							
MCH	27.5 pg	MCHC	* 30.2 g/dL																																																																									
	(27.0 - 32.0)		(32.0 - 36.0)																																																																									
Neutrophils	3.19 x10 ⁹ /L		(2.00 - 7.50)																																																																									
Lymphocytes	* 0.94 x10 ⁹ /L		(1.00 - 4.00)																																																																									
Monocytes	0.48 x10 ⁹ /L		(0.20 - 0.80)																																																																									
Eosinophils	0.16 x10 ⁹ /L		(0.04 - 0.40)																																																																									
Basophils	0.01 x10 ⁹ /L		(0.01 - 0.10)																																																																									
LUC's	0.13 x10 ⁹ /L		(0.00 - 0.40)																																																																									
Authorised By : _____																																																																												
FOR NORMAL VALUES PLEASE SEE CLINICAL			Date and time of report																																																																									
CPA			03/03/2010 16:45																																																																									

WISHAW/GENERAL HOSPITAL		BIOCHEMISTRY REPORT		NHS Lanarkshire																																																
Name: Annette Curtain		Sex: M	Date of Birth: 01/01/1935	Medical Ref: 0000055555																																																
THE WELCOME SURGERY FORTH LANARK			Dr. C. de Wet																																																	
Date and time of specimen: 03/03/2010 09:50		Date and time received: 03/03/2010 16:50		0000055555																																																
Clinical Information: General review 20mgs, ?hypo, (fast).																																																				
<table border="0"> <tr> <td>Sodium</td> <td>144</td> <td>mmol/L</td> <td>(135 to 145)</td> </tr> <tr> <td>Potassium</td> <td>6.5</td> <td>mmol/L</td> <td>(3.5 to 5.0)</td> </tr> <tr> <td>Total CO2</td> <td>* 29</td> <td>mmol/L</td> <td>(21 to 28)</td> </tr> <tr> <td>Urea</td> <td>4.7</td> <td>mmol/L</td> <td>(2.5 to 7.5)</td> </tr> <tr> <td>Creatinine</td> <td>97</td> <td>umol/L</td> <td>(60 to 120)</td> </tr> <tr> <td>Creatine Kinase (Total)</td> <td>100</td> <td>U/L</td> <td>(up to 150)</td> </tr> <tr> <td>Estimated GFR</td> <td>> 59</td> <td>ml/min/1.73m2</td> <td></td> </tr> <tr> <td>Plasma Glucose (fasting)</td> <td>4.1</td> <td>mmol/L</td> <td>(4.0 to 6.0)</td> </tr> <tr> <td>Alanine Transaminase</td> <td>16</td> <td>U/L</td> <td>(less than 50)</td> </tr> <tr> <td>Total Bilirubin</td> <td>* 41</td> <td>umol/L</td> <td>(0 to 21)</td> </tr> <tr> <td>Alkaline Phosphatase</td> <td>98</td> <td>U/L</td> <td>(40 to 150)</td> </tr> <tr> <td>Albumin</td> <td>42</td> <td>g/l</td> <td>(36 to 52)</td> </tr> </table>					Sodium	144	mmol/L	(135 to 145)	Potassium	6.5	mmol/L	(3.5 to 5.0)	Total CO2	* 29	mmol/L	(21 to 28)	Urea	4.7	mmol/L	(2.5 to 7.5)	Creatinine	97	umol/L	(60 to 120)	Creatine Kinase (Total)	100	U/L	(up to 150)	Estimated GFR	> 59	ml/min/1.73m2		Plasma Glucose (fasting)	4.1	mmol/L	(4.0 to 6.0)	Alanine Transaminase	16	U/L	(less than 50)	Total Bilirubin	* 41	umol/L	(0 to 21)	Alkaline Phosphatase	98	U/L	(40 to 150)	Albumin	42	g/l	(36 to 52)
Sodium	144	mmol/L	(135 to 145)																																																	
Potassium	6.5	mmol/L	(3.5 to 5.0)																																																	
Total CO2	* 29	mmol/L	(21 to 28)																																																	
Urea	4.7	mmol/L	(2.5 to 7.5)																																																	
Creatinine	97	umol/L	(60 to 120)																																																	
Creatine Kinase (Total)	100	U/L	(up to 150)																																																	
Estimated GFR	> 59	ml/min/1.73m2																																																		
Plasma Glucose (fasting)	4.1	mmol/L	(4.0 to 6.0)																																																	
Alanine Transaminase	16	U/L	(less than 50)																																																	
Total Bilirubin	* 41	umol/L	(0 to 21)																																																	
Alkaline Phosphatase	98	U/L	(40 to 150)																																																	
Albumin	42	g/l	(36 to 52)																																																	
				Authorised By : L.A.B. Technician																																																
 FOR EXPLANATORY NOTES PLEASE SEE OVER ALL ENQUIRIES CONTACT "THE DUTY BIOCHEMIST" TEL: 01698 361100			03/03/2010 17:50																																																	

Emergency Department
Wishaw General Hospital
50 Netherton Street
Wishaw ML2 0DP

Dr. C. de Wet,
Wellcome Practice,
FORTH

4th March,
2010

Dear dr. de Wet

Re. ANNETTE CURTAIN, 39 Main Street, FORTH. Date of Birth 01/01/1935. Hospital
Number:0000055555, CHI no. 0101355555

Your patient attended the Wishaw General Hospital on the: 4 APR 2010 15:35

The presenting complaint was: WEAKNESS, HYPERKALAEMIA

The following investigations were carried out: CHEST X-RAY, BLOODS

The A&E diagnosis was: HYPERKALAEMIA - SYMPTOMATIC

The following treatment was given:

At the conclusion of treatment the patient was: ADMITTED. Departure Ready Date/Time: 4 Apr 2010 20:17,
actual Departure Date/Time: 4 Apr 2010 21:45

Follow-up: NONE

Additional Information:

Yours sincerely,

Dr. Jones
Consultant

Consultants:



Department of Cardiology
Wishaw General Hospital
50 Northton Road
Wishaw, ML2 0EP
Tel: 01698 36100
Fax: 01698 366673

Dr. A. Davis's secretary: 01698 555555

Consultant: Dr Docherty RR/SG Dictated: 18/10/07 Typed: 22/10/07

Admitted	Discharged	Ward	DOB	Hospital No.	CHI NUMBER
04/03/2010	11/03/2010	X	01/01/35	5555555	0101355555
Patient		Discharge To		Home	
M 01/01/1935 CURTAIN ANNETTE 39 MAIN STREET FORTH LANARK CHI 0101355555		ML11		See below	
		Follow Up			
		Distribution of Letter		Dr. C. de Wet, Wellcome Practice, FORTH	
Principle Diagnosis and any other complicating illness		ICD Code	Poisoning Substances Taken		
1	Hyperkalaemia		Operation	Code	
2	Hypertension		1		
3	Diet controlled Diabetes Mellitus		2		
4			3		
5					

Dear dr. de Wet



This lady was admitted with symptomatic hyperkalaemia, most likely due to recent initiation of Ramipril. Her ECG showed peaked T-waves and chest x-ray was normal. She was admitted to ward X and received IV fluids and daily monitoring and made a good recovery. She remained normotensive on the ward and has not been commenced on any anti-hypertensives at time of discharge. Her blood sugars were a little erratic at first but has now settled down. We note from your letter that she has had trouble with Amlodipne in the past. If her blood pressure becomes uncontrolled it may be possible to re-introduce an ACE at the lowest dose and monitor carefully. We would be grateful if you could repeat her UCE soon after this discharge.


Follow up: None



Yours sincerely


Dr. J.r. First
FTSA2 In Medicine

Dr. A. Davis
Consultant in DOME

WISHAW GENERAL HOSPITAL		BIOCHEMISTRY REPORT		
Annette Curtain		M	01/01/1935	0000055555
THE WELCOME SURGERY FORTH LANARK			Dr. C. de Wet	
19/03/2010 09:50		19/03/2010 16:50		0000055555
General review				
Specimen - Fasting? - No indication on request-form.				
Triglycerides	0.8	mmol/L	(-up to 2.4)	
Total Cholesterol	5.8	mmol/L	(-up to 5.0)	
HDL Cholesterol	1.9	mmol/L	(0.9 to 1.8)	
Total/HDL Ratio	3.1			
LDL Cholesterol (calc)	3.5	mmol/L	(-up to 3.0)	
Computer Authorised				
 FOR EXPLANATORY NOTES PLEASE SEE OVER ALL ENQUIRIES CONTACT "THE DUTY BIOCHEMIST" TEL: 01898 361100			19/03/2010 12:15	

WISHAW GENERAL HOSPITAL		HAEMATOLOGY REPORT		NHS																																				
Name: Annette Curtain		Sex: M	Date of Birth: 01/01/1935	Order Reference: 0000055555																																				
Address To: THE WELCOME SURGERY FORTH		LANARK		Order Ref: Dr. C. de Wet																																				
Date/Time: 19/03/2010 10:15	Date/Time: 19/03/2010 15:50	Order Ref: 0000055555																																						
Clinical Information: none given																																								
<table border="0"> <tr> <td>Hb 12.7 g/dL</td> <td>WBC 4.91 x10⁹/L</td> <td>PLAT 237 x10⁹/L</td> </tr> <tr> <td>(16.5)</td> <td>(4.00 - 11.00)</td> <td>(140 - 450)</td> </tr> <tr> <td>MCV 91.2 fL</td> <td>RBC * 3.70 x10¹²/L</td> <td>Hct * 0.337 L/L</td> </tr> <tr> <td>(80.0 - 100.0)</td> <td>(3.90 - 5.60)</td> <td>(0.370 - 0.470)</td> </tr> <tr> <td>MCH 27.5 pg</td> <td>MCHC * 30.2 g/dL</td> <td></td> </tr> <tr> <td>(27.0 - 32.0)</td> <td>(32.0 - 36.0)</td> <td></td> </tr> <tr> <td>Neutrophils 3.19 x10⁹/L</td> <td>(2.00 - 7.50)</td> <td></td> </tr> <tr> <td>Lymphocytes * 0.84 x10⁹/L</td> <td>(1.00 - 4.00)</td> <td></td> </tr> <tr> <td>Monocytes 0.48 x10⁹/L</td> <td>(0.20 - 0.80)</td> <td></td> </tr> <tr> <td>Eosinophils 0.16 x10⁹/L</td> <td>(0.04 - 0.40)</td> <td></td> </tr> <tr> <td>Basophils 0.01 x10⁹/L</td> <td>(0.01 - 0.10)</td> <td></td> </tr> <tr> <td>LUC's 0.13 x10⁹/L</td> <td>(0.00 - 0.40)</td> <td></td> </tr> </table>					Hb 12.7 g/dL	WBC 4.91 x10 ⁹ /L	PLAT 237 x10 ⁹ /L	(16.5)	(4.00 - 11.00)	(140 - 450)	MCV 91.2 fL	RBC * 3.70 x10 ¹² /L	Hct * 0.337 L/L	(80.0 - 100.0)	(3.90 - 5.60)	(0.370 - 0.470)	MCH 27.5 pg	MCHC * 30.2 g/dL		(27.0 - 32.0)	(32.0 - 36.0)		Neutrophils 3.19 x10 ⁹ /L	(2.00 - 7.50)		Lymphocytes * 0.84 x10 ⁹ /L	(1.00 - 4.00)		Monocytes 0.48 x10 ⁹ /L	(0.20 - 0.80)		Eosinophils 0.16 x10 ⁹ /L	(0.04 - 0.40)		Basophils 0.01 x10 ⁹ /L	(0.01 - 0.10)		LUC's 0.13 x10 ⁹ /L	(0.00 - 0.40)	
Hb 12.7 g/dL	WBC 4.91 x10 ⁹ /L	PLAT 237 x10 ⁹ /L																																						
(16.5)	(4.00 - 11.00)	(140 - 450)																																						
MCV 91.2 fL	RBC * 3.70 x10 ¹² /L	Hct * 0.337 L/L																																						
(80.0 - 100.0)	(3.90 - 5.60)	(0.370 - 0.470)																																						
MCH 27.5 pg	MCHC * 30.2 g/dL																																							
(27.0 - 32.0)	(32.0 - 36.0)																																							
Neutrophils 3.19 x10 ⁹ /L	(2.00 - 7.50)																																							
Lymphocytes * 0.84 x10 ⁹ /L	(1.00 - 4.00)																																							
Monocytes 0.48 x10 ⁹ /L	(0.20 - 0.80)																																							
Eosinophils 0.16 x10 ⁹ /L	(0.04 - 0.40)																																							
Basophils 0.01 x10 ⁹ /L	(0.01 - 0.10)																																							
LUC's 0.13 x10 ⁹ /L	(0.00 - 0.40)																																							
Authorised By: _____																																								
 FOR NORMAL VALUES PLEASE			Date and time of report: 19/03/2010 16:45	Date and time of report: _____																																				

WISHAW GENERAL HOSPITAL		BIOCHEMISTRY REPORT																																																		
Annette Curtain		M	01/01/1935	0000055555																																																
THE WELCOME SURGERY FORTH LANARK			Dr. C. de Wet																																																	
Date and time of specimen 19/03/2010 09:50		Date and time received 19/03/2010 16:50		0000055555																																																
Clinical Information General review 20mgs, Thypo. (fast).																																																				
<table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td>Sodium</td> <td>144</td> <td>mmol/L</td> <td>{ 135 to 145 }</td> </tr> <tr> <td>Potassium</td> <td>3.7</td> <td>mmol/L</td> <td>{ 3.5 to 5.0 }</td> </tr> <tr> <td>Total CO2</td> <td>* 29</td> <td>mmol/L</td> <td>{ 21 to 28 }</td> </tr> <tr> <td>Urea</td> <td>4.7</td> <td>mmol/L</td> <td>{ 2.5 to 7.5 }</td> </tr> <tr> <td>Creatinine</td> <td>97</td> <td>umol/L</td> <td>{ 60 to 120 }</td> </tr> <tr> <td>Creatine Kinase (Total)</td> <td>100</td> <td>U/L</td> <td>{ up to 150 }</td> </tr> <tr> <td>Estimated GFR</td> <td>> 59</td> <td>ml/min/1.73m2</td> <td></td> </tr> <tr> <td>Plasma Glucose (fasting)</td> <td>4.1</td> <td>mmol/L</td> <td>{ 4.0 to 6.0 }</td> </tr> <tr> <td>Alanine Transaminase</td> <td>16</td> <td>U/L</td> <td>{ less than 50 }</td> </tr> <tr> <td>Total Bilirubin</td> <td>* 41</td> <td>umol/L</td> <td>{ 0 to 21 }</td> </tr> <tr> <td>Alkaline Phosphatase</td> <td>98</td> <td>U/L</td> <td>{ 40 to 150 }</td> </tr> <tr> <td>Albumin</td> <td>42</td> <td>g/l</td> <td>{ 36 to 52 }</td> </tr> </tbody> </table>					Sodium	144	mmol/L	{ 135 to 145 }	Potassium	3.7	mmol/L	{ 3.5 to 5.0 }	Total CO2	* 29	mmol/L	{ 21 to 28 }	Urea	4.7	mmol/L	{ 2.5 to 7.5 }	Creatinine	97	umol/L	{ 60 to 120 }	Creatine Kinase (Total)	100	U/L	{ up to 150 }	Estimated GFR	> 59	ml/min/1.73m2		Plasma Glucose (fasting)	4.1	mmol/L	{ 4.0 to 6.0 }	Alanine Transaminase	16	U/L	{ less than 50 }	Total Bilirubin	* 41	umol/L	{ 0 to 21 }	Alkaline Phosphatase	98	U/L	{ 40 to 150 }	Albumin	42	g/l	{ 36 to 52 }
Sodium	144	mmol/L	{ 135 to 145 }																																																	
Potassium	3.7	mmol/L	{ 3.5 to 5.0 }																																																	
Total CO2	* 29	mmol/L	{ 21 to 28 }																																																	
Urea	4.7	mmol/L	{ 2.5 to 7.5 }																																																	
Creatinine	97	umol/L	{ 60 to 120 }																																																	
Creatine Kinase (Total)	100	U/L	{ up to 150 }																																																	
Estimated GFR	> 59	ml/min/1.73m2																																																		
Plasma Glucose (fasting)	4.1	mmol/L	{ 4.0 to 6.0 }																																																	
Alanine Transaminase	16	U/L	{ less than 50 }																																																	
Total Bilirubin	* 41	umol/L	{ 0 to 21 }																																																	
Alkaline Phosphatase	98	U/L	{ 40 to 150 }																																																	
Albumin	42	g/l	{ 36 to 52 }																																																	
Authorised By : L.A.B. Technician																																																				
 FOR EXPLANATORY NOTES PLEASE SEE OVER ALL ENQUIRIES CONTACT "THE DUTY BIOCHEMIST" TEL: 01698 361100			20/03/2010 12:15																																																	

WISHAW GENERAL HOSPITAL		BIOCHEMISTRY REPORT		NHS
Annette Curtain		M	01/01/1935	0000055555
THE WELCOME SURGERY FORTH LANARK			Dr. C. de Wet	
Date and time of specimen 04/04/2010 09:50		Date and time received 04/04/2010 16:50		0000055555
General review 20mgs, Thypo, (fast).				
Sodium	144	mmol/L	(135 to 145)	
Potassium	4.5	mmol/L	(3.5 to 5.0)	
Total CO ₂	* 29	mmol/L	(21 to 28)	
Urea	4.7	mmol/L	(2.5 to 7.5)	
Creatinine	97	umol/L	(60 to 120)	
Creatine Kinase (Total)	100	U/L	(up to 150)	
Estimated GFR	> 59	ml/min/1.73m ²		
Plasma Glucose (fasting)	4.1	mmol/L	(4.0 to 6.0)	
Alanine Transaminase	* 16	U/L	(less than 50)	
Total Bilirubin	* 41	umol/L	(0 to 21)	
Alkaline Phosphatase	98	U/L	(40 to 150)	
Albumin	42	g/l	(36 to 52)	
Authorised By : L.A.B. Technician				
 FOR EXPLANATORY NOTES PLEASE SEE OVER ALL ENQUIRIES CONTACT "THE DUTY BIOCHEMIST" TEL: 01698 961100			05/04/2010 12:15	

Dr. De Wet

From: frasercool@fakesdomain.co.uk
Sent: 16 April 2010 20:20
To: welcomesurgery@forth.co.uk
Subject: Call#55555 17-04-2010

NHS Lanarkshire Primary Care Operating Division Date: 16-04-2010 20:10

Call No.: 80535 Call Category: NHS24 Advice Priority: NHS24 Advised

Patient's name: ANNETTE CURTAIN
Age: 01-01-1935 (Age: 75)

Current Location: **39 Main Street,
Forth,
Lanark**

Tel. No.: **01555 555 555**

Home Address: **39 Main Street,
Forth,
Lanark**

Tel.No.:

Caller Origin: NHS24 Caller Name: **Ms. N. Neighbour**
Tel. No.: Gender: Male

Community Health Index: **0101355555**

Temporary Resident:
GP: Dr. De Wet Welcome Surgery, Forth

Reported Condition:
Rash

NHS24 Ref.No.: **5555555** NHS24 Date/Time: **16-04-2010 21:15**



NHS24 Consultation Start: **16-Apr-10 21:22**
NHS24 Consultation Complete: **16-Apr-10 21:29**
NHS24 Outcome: **Attend PCEC**

NHS24 Clinical Summary:

Tingling, painful rash on one side of body. Blisters and scabs. Had it before and GP told her it was 'zoster'

History:
Examination:
Diagnosis:
Treatment:

Call No.: **5555** Patient Name: **Annette Curtain**

WISHAW GENERAL HOSPITAL		BIOCHEMISTRY REPORT																																																		
Annette Curtain		M	01/01/1935	0000055555																																																
THE WELCOME SURGERY FORTH LANARK			Dr. C. de Wet																																																	
Date and time of specimen		Date and time received		0000055555																																																
02/06/2010 09:50		02/06/2010 16:50																																																		
Clinical Information																																																				
General review		20mgs, Thyppo, (fast).																																																		
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Sodium</td> <td style="width: 10%;">144</td> <td style="width: 10%;">mmol/L</td> <td style="width: 50%;">(135 to 145)</td> </tr> <tr> <td>Potassium</td> <td>3.4</td> <td>mmol/L</td> <td>(3.5 to 5.0)</td> </tr> <tr> <td>Total CO2</td> <td>* 29</td> <td>mmol/L</td> <td>(21 to 28)</td> </tr> <tr> <td>Urea</td> <td>4.7</td> <td>mmol/L</td> <td>(2.5 to 7.5)</td> </tr> <tr> <td>Creatinine</td> <td>97</td> <td>umol/L</td> <td>(60 to 120)</td> </tr> <tr> <td>Creatine Kinase (Total)</td> <td>100</td> <td>U/L</td> <td>(up to 150)</td> </tr> <tr> <td>Estimated GFR</td> <td>> 59</td> <td>ml/min/1.73m²</td> <td></td> </tr> <tr> <td>Plasma Glucose (fasting)</td> <td>4.1</td> <td>mmol/L</td> <td>(4.0 to 6.0)</td> </tr> <tr> <td>Alanine Transaminase</td> <td>16</td> <td>U/L</td> <td>(less than 50)</td> </tr> <tr> <td>Total Bilirubin</td> <td>* 41</td> <td>umol/L</td> <td>(0 to 21)</td> </tr> <tr> <td>Alkaline Phosphatase</td> <td>98</td> <td>U/L</td> <td>(40 to 150)</td> </tr> <tr> <td>Albumin</td> <td>42</td> <td>g/l</td> <td>(36 to 52)</td> </tr> </table>					Sodium	144	mmol/L	(135 to 145)	Potassium	3.4	mmol/L	(3.5 to 5.0)	Total CO2	* 29	mmol/L	(21 to 28)	Urea	4.7	mmol/L	(2.5 to 7.5)	Creatinine	97	umol/L	(60 to 120)	Creatine Kinase (Total)	100	U/L	(up to 150)	Estimated GFR	> 59	ml/min/1.73m ²		Plasma Glucose (fasting)	4.1	mmol/L	(4.0 to 6.0)	Alanine Transaminase	16	U/L	(less than 50)	Total Bilirubin	* 41	umol/L	(0 to 21)	Alkaline Phosphatase	98	U/L	(40 to 150)	Albumin	42	g/l	(36 to 52)
Sodium	144	mmol/L	(135 to 145)																																																	
Potassium	3.4	mmol/L	(3.5 to 5.0)																																																	
Total CO2	* 29	mmol/L	(21 to 28)																																																	
Urea	4.7	mmol/L	(2.5 to 7.5)																																																	
Creatinine	97	umol/L	(60 to 120)																																																	
Creatine Kinase (Total)	100	U/L	(up to 150)																																																	
Estimated GFR	> 59	ml/min/1.73m ²																																																		
Plasma Glucose (fasting)	4.1	mmol/L	(4.0 to 6.0)																																																	
Alanine Transaminase	16	U/L	(less than 50)																																																	
Total Bilirubin	* 41	umol/L	(0 to 21)																																																	
Alkaline Phosphatase	98	U/L	(40 to 150)																																																	
Albumin	42	g/l	(36 to 52)																																																	
Authorised By : L.A.B. Technician																																																				
 FOR EXPLANATORY NOTES PLEASE SEE OVER ALL ENQUIRIES CONTACT "THE DUTY BIOCHEMIST" TEL: 01698 361100			02/06/2010 12:15																																																	

Emergency Department
Wishaw General Hospital
50 Netherton Street
Wishaw ML2 0DP

Dr. C. de Wet,
Wallcome Practice,
FORTH

5th June,
2010

Dear dr. de Wet

Re. ANNETTE CURTAIN, 39 Main Street, FORTH. Date of Birth 01/01/1935. Hospital
Number:0000055555, CHI no. 01013555555

Your patient attended the Wishaw General Hospital on the: 5 JUNE 2010 14:50

The presenting complaint was: **FALL – INJURY KNEE**

The following investigations were carried out: **X-RAY KNEE**

The A&E diagnosis was: **SOFT TISSUE INJURY / OSTEO-ARTHRITIS**

The following treatment was given:

At the conclusion of treatment the patient was: **DISCHARGED. Departure Ready Date/Time: 5 June 2010 20:14,
actual Departure Date/Time: 5 June 2010 20:17**

Follow-up: **None**

Additional Information:

Yours sincerely,
Dr. Jones
Consultant

Consultants: