The Health Equation 1 MBR Blood Results Example

THE HEALTH EQUATION 4TH FLOOR NORTH 25 WIMPOLE STREET	Received: 18/02/2019 16:47 Hospital No.: Reference:			
LONDON W1G 8GL	Report Date: 20 Februa:	ry 2019 13:47:55		
HAEMATOLOGY				
HAEMOGLOBIN (g/L)	130	g/L 115 – 155		
HCT	0.405	0.33 - 0.4		
RED CELL COUNT	4.35	x10^12/L 3.95 - 5.1		
MCV	93.1	fL 80 - 99		
МСН	29.9	pg 26.0 - 33.		
MCHC (g/L)	321	g/L 300 - 350		
RDW	13.0	11.5 - 15.		
PLATELET COUNT	232	x10^9/L 150 - 400		
MPV	11.8	fL = 7 - 13		
WHITE CELL COUNT		x10^9/L 3.0 - 10.0		
	* 10.97 * 75.3% 8.26			
Neutrophils		$x10^9/L$ 2.0 - 7.5		
Lymphocytes	16.9% 1.85	$x10^9/L$ 1.2 - 3.65		
Monocytes	5.7% 0.63	x10^9/L 0.2 - 1.0		
Eosinophils	1.3% 0.14	$x10^9/L$ 0.0 - 0.4		
Basophils	0.8% 0.09	$x10^9/L$ 0.0 - 0.1		
	Neutrophil leucocytosis. Normal RBC and Platelet			
	populations.			
ESR	8	mm/hr 1 - 23		
LSK				
	Note ref range raised i	n patients over 40		
BIOCHEMISTRY				
SODIUM	141	mmol/L 135 - 145		
	111	14101/11 100 140		
	* 6.5	mmo1/L 3.5 - 5.1		
POTASSIUM CHLORIDE	* 6.5 104	mmol/L 3.5 - 5.1 mmol/L 98 - 107		
POTASSIUM				
POTASSIUM CHLORIDE	104	mmol/L 98 - 107		
POTASSIUM CHLORIDE BICARBONATE UREA	104 * 33	mmol/L 98 - 107 mmol/l 22 - 29		
POTASSIUM CHLORIDE BICARBONATE UREA CREATININE	104 * 33 6.2	mmol/L98 - 107mmol/l22 - 29mmol/L1.7 - 8.3		
POTASSIUM CHLORIDE BICARBONATE UREA CREATININE	104 * 33 6.2 60	mmol/L98 - 107mmol/l22 - 29mmol/L1.7 - 8.3umol/L49 - 92		
POTASSIUM CHLORIDE BICARBONATE UREA CREATININE	104 * 33 6.2 60 >90 For UK guidelines:	mmol/L 98 - 107 mmol/l 22 - 29 mmol/L 1.7 - 8.3 umol/L 49 - 92		
POTASSIUM CHLORIDE BICARBONATE UREA CREATININE estimated GFR	104 * 33 6.2 60 >90 For UK guidelines: www.renal.org/informati	<pre>mmol/L 98 - 107 mmol/l 22 - 29 mmol/L 1.7 - 8.3 umol/L 49 - 92 . on-resources</pre>		
POTASSIUM CHLORIDE BICARBONATE UREA CREATININE estimated GFR BILIRUBIN	<pre>104 * 33 6.2 60 >90 For UK guidelines: www.renal.org/informati 6</pre>	<pre>mmol/L 98 - 107 mmol/l 22 - 29 mmol/L 1.7 - 8.3 umol/L 49 - 92 . on-resources umol/L 0 - 20</pre>		
POTASSIUM CHLORIDE BICARBONATE UREA CREATININE estimated GFR BILIRUBIN ALKALINE PHOSPHATASE	<pre>104 * 33 6.2 60 >90 For UK guidelines: www.renal.org/informati 6 87</pre>	<pre>mmol/L 98 - 107 mmol/l 22 - 29 mmol/L 1.7 - 8.3 umol/L 49 - 92 . on-resources umol/L 0 - 20 IU/L 35 - 104</pre>		
POTASSIUM CHLORIDE BICARBONATE UREA CREATININE estimated GFR BILIRUBIN ALKALINE PHOSPHATASE ASPARTATE TRANSFERASE	<pre>104 * 33 6.2 60 >90 For UK guidelines: www.renal.org/informati 6</pre>	<pre>mmol/L 98 - 107 mmol/l 22 - 29 mmol/L 1.7 - 8.3 umol/L 49 - 92 . on-resources umol/L 0 - 20</pre>		
POTASSIUM CHLORIDE BICARBONATE UREA CREATININE estimated GFR BILIRUBIN	<pre>104 * 33 6.2 60 >90 For UK guidelines: www.renal.org/informati 6 87 19</pre>	<pre>mmol/L 98 - 107 mmol/l 22 - 29 mmol/L 1.7 - 8.3 umol/L 49 - 92 . on-resources umol/L 0 - 20 IU/L 35 - 104 IU/L 0 - 31 IU/L 10 - 35</pre>		
POTASSIUM CHLORIDE BICARBONATE UREA CREATININE estimated GFR BILIRUBIN ALKALINE PHOSPHATASE ASPARTATE TRANSFERASE ALANINE TRANSFERASE	<pre>104 * 33 6.2 60 >90 For UK guidelines: www.renal.org/informati 6 87 19 12</pre>	<pre>mmol/L 98 - 107 mmol/l 22 - 29 mmol/L 1.7 - 8.3 umol/L 49 - 92 . on-resources umol/L 0 - 20 IU/L 35 - 104 IU/L 0 - 31 IU/L 10 - 35</pre>		
POTASSIUM CHLORIDE BICARBONATE UREA CREATININE estimated GFR BILIRUBIN ALKALINE PHOSPHATASE ASPARTATE TRANSFERASE ALANINE TRANSFERASE LDH CK	<pre>104 * 33 6.2 60 >90 For UK guidelines: www.renal.org/informati 6 87 19 12 * 233</pre>	<pre>mmol/L 98 - 107 mmol/l 22 - 29 mmol/L 1.7 - 8.3 umol/L 49 - 92 . on-resources umol/L 0 - 20 IU/L 35 - 104 IU/L 0 - 31 IU/L 10 - 35 IU/L 135 - 214</pre>		
POTASSIUM CHLORIDE BICARBONATE UREA CREATININE estimated GFR BILIRUBIN ALKALINE PHOSPHATASE ASPARTATE TRANSFERASE ALANINE TRANSFERASE LDH CK GAMMA GT	<pre>104 * 33 6.2 60 >90 For UK guidelines: www.renal.org/informati 6 87 19 12 * 233 61</pre>	<pre>mmol/L 98 - 107 mmol/l 22 - 29 mmol/L 1.7 - 8.3 umol/L 49 - 92 . on-resources umol/L 0 - 20 IU/L 35 - 104 IU/L 0 - 31 IU/L 10 - 35 IU/L 135 - 214 IU/L 26 - 140</pre>		
POTASSIUM CHLORIDE BICARBONATE UREA CREATININE estimated GFR BILIRUBIN ALKALINE PHOSPHATASE ASPARTATE TRANSFERASE ALANINE TRANSFERASE LDH CK GAMMA GT TOTAL PROTEIN	<pre>104 * 33 6.2 60 >90 For UK guidelines: www.renal.org/informati 6 87 19 12 * 233 61 20</pre>	<pre>mmol/L 98 - 107 mmol/l 22 - 29 mmol/L 1.7 - 8.3 umol/L 49 - 92 . on-resources umol/L 0 - 20 IU/L 35 - 104 IU/L 0 - 31 IU/L 10 - 35 IU/L 135 - 214 IU/L 26 - 140 IU/L 6 - 42</pre>		
POTASSIUM CHLORIDE BICARBONATE UREA CREATININE estimated GFR BILIRUBIN ALKALINE PHOSPHATASE ASPARTATE TRANSFERASE ALANINE TRANSFERASE LDH CK GAMMA GT TOTAL PROTEIN ALBUMIN	<pre>104 * 33 6.2 60 >90 For UK guidelines: www.renal.org/informati 6 87 19 12 * 233 61 20 69 46 23</pre>	<pre>mmol/L 98 - 107 mmol/l 22 - 29 mmol/L 1.7 - 8.3 umol/L 49 - 92 . on-resources umol/L 0 - 20 IU/L 35 - 104 IU/L 0 - 31 IU/L 10 - 35 IU/L 135 - 214 IU/L 26 - 140 IU/L 6 - 42 g/L 63 - 83</pre>		
POTASSIUM CHLORIDE BICARBONATE UREA CREATININE estimated GFR BILIRUBIN ALKALINE PHOSPHATASE ASPARTATE TRANSFERASE ALANINE TRANSFERASE LDH CK GAMMA GT TOTAL PROTEIN ALBUMIN GLOBULIN	<pre>104 * 33 6.2 60 >90 For UK guidelines: www.renal.org/informati 6 87 19 12 * 233 61 20 69 46 23 2.44</pre>	<pre>mmol/L 98 - 107 mmol/l 22 - 29 mmol/L 1.7 - 8.3 umol/L 49 - 92 . on-resources umol/L 0 - 20 IU/L 35 - 104 IU/L 0 - 31 IU/L 10 - 35 IU/L 135 - 214 IU/L 26 - 140 IU/L 6 - 42 g/L 63 - 83 g/L 34 - 50 g/L 19 - 35 mmol/L 2.20 - 2.6</pre>		
POTASSIUM CHLORIDE BICARBONATE UREA CREATININE estimated GFR BILIRUBIN ALKALINE PHOSPHATASE ASPARTATE TRANSFERASE ALANINE TRANSFERASE LDH CK GAMMA GT FOTAL PROTEIN ALBUMIN GLOBULIN CALCIUM Corrected Calcium	<pre>104 * 33 6.2 60 >90 For UK guidelines: www.renal.org/informati 6 87 19 12 * 233 61 20 69 46 23 2.44 2.43</pre>	<pre>mmol/L 98 - 107 mmol/l 22 - 29 mmol/L 1.7 - 8.3 umol/L 49 - 92 . on-resources umol/L 0 - 20 IU/L 35 - 104 IU/L 0 - 31 IU/L 10 - 35 IU/L 135 - 214 IU/L 26 - 140 IU/L 26 - 140 IU/L 6 - 42 g/L 63 - 83 g/L 34 - 50 g/L 19 - 35 mmol/L 2.20 - 2.6 mmol/L 2.20 - 2.6</pre>		
POTASSIUM CHLORIDE BICARBONATE UREA CREATININE estimated GFR BILIRUBIN ALKALINE PHOSPHATASE ASPARTATE TRANSFERASE ALANINE TRANSFERASE LDH CK GAMMA GT TOTAL PROTEIN ALBUMIN GLOBULIN CALCIUM COrrected Calcium PHOSPHATE	<pre>104 * 33 6.2 60 >90 For UK guidelines: www.renal.org/informati 6 87 19 12 * 233 61 20 69 46 23 2.44 2.43 1.09</pre>	<pre>mmol/L 98 - 107 mmol/l 22 - 29 mmol/L 1.7 - 8.3 umol/L 49 - 92 . on-resources umol/L 0 - 20 IU/L 35 - 104 IU/L 0 - 31 IU/L 10 - 35 IU/L 10 - 35 IU/L 135 - 214 IU/L 26 - 140 IU/L 6 - 42 g/L 63 - 83 g/L 34 - 50 g/L 19 - 35 mmol/L 2.20 - 2.6 mmol/L 2.20 - 2.6 mmol/L 0.87 - 1.4</pre>		
POTASSIUM CHLORIDE BICARBONATE UREA CREATININE estimated GFR BILIRUBIN ALKALINE PHOSPHATASE ASPARTATE TRANSFERASE ALANINE TRANSFERASE LDH CK GAMMA GT TOTAL PROTEIN ALBUMIN GLOBULIN CALCIUM Corrected Calcium PHOSPHATE URIC ACID	<pre>104 * 33 6.2 60 >90 For UK guidelines: www.renal.org/informati 6 87 19 12 * 233 61 20 69 46 23 2.44 2.43 1.09 249</pre>	<pre>mmol/L 98 - 107 mmol/l 22 - 29 mmol/L 1.7 - 8.3 umol/L 49 - 92 . on-resources umol/L 0 - 20 IU/L 35 - 104 IU/L 0 - 31 IU/L 10 - 35 IU/L 10 - 35 IU/L 135 - 214 IU/L 26 - 140 IU/L 6 - 42 g/L 63 - 83 g/L 34 - 50 g/L 19 - 35 mmol/L 2.20 - 2.6 mmol/L 2.20 - 2.6 mmol/L 0.87 - 1.4 umol/L 175 - 363</pre>		
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POTASSIUM CHLORIDE BICARBONATE UREA CREATININE estimated GFR BILIRUBIN ALKALINE PHOSPHATASE ASPARTATE TRANSFERASE ALANINE TRANSFERASE LDH CK GAMMA GT TOTAL PROTEIN ALBUMIN GLOBULIN CALCIUM COrrected Calcium PHOSPHATE URIC ACID RANDOM BLOOD GLUCOSE (FL) AMYLASE	<pre>104 * 33 6.2 60 >90 For UK guidelines: www.renal.org/informati 6 87 19 12 * 233 61 20 69 46 23 2.44 2.43 1.09 249 5.2 79</pre>	<pre>mmol/L 98 - 107 mmol/l 22 - 29 mmol/L 1.7 - 8.3 umol/L 49 - 92 . on-resources umol/L 0 - 20 IU/L 35 - 104 IU/L 0 - 31 IU/L 10 - 35 IU/L 10 - 35 IU/L 135 - 214 IU/L 26 - 140 IU/L 6 - 42 g/L 63 - 83 g/L 34 - 50 g/L 19 - 35 mmol/L 2.20 - 2.6 mmol/L 2.20 - 2.6 mmol/L 0.87 - 1.4 umol/L 175 - 363 mmol/L 3.5 - 7.9 IU/L 28 - 100</pre>		
POTASSIUM CHLORIDE BICARBONATE UREA CREATININE estimated GFR BILIRUBIN ALKALINE PHOSPHATASE ASPARTATE TRANSFERASE ALANINE TRANSFERASE LOH CK GAMMA GT TOTAL PROTEIN ALBUMIN GLOBULIN CALCIUM Corrected Calcium PHOSPHATE URIC ACID RANDOM BLOOD GLUCOSE (FL) AMYLASE TRIGLYCERIDES	<pre>104 * 33 6.2 60 >90 For UK guidelines: www.renal.org/informati 6 87 19 12 * 233 61 20 69 46 23 2.44 2.43 1.09 249 5.2 79 1.6</pre>	<pre>mmol/L 98 - 107 mmol/l 22 - 29 mmol/L 1.7 - 8.3 umol/L 49 - 92 . on-resources umol/L 0 - 20 IU/L 35 - 104 IU/L 0 - 31 IU/L 10 - 35 IU/L 10 - 35 IU/L 135 - 214 IU/L 26 - 140 IU/L 6 - 42 g/L 63 - 83 g/L 34 - 50 g/L 19 - 35 mmol/L 2.20 - 2.6 mmol/L 2.20 - 2.6 mmol/L 0.87 - 1.4 umol/L 175 - 363 mmol/L 3.5 - 7.9 IU/L 28 - 100 mmol/L < 2.3</pre>		
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POTASSIUM CHLORIDE BICARBONATE UREA CREATININE estimated GFR BILIRUBIN ALKALINE PHOSPHATASE ASPARTATE TRANSFERASE ALANINE TRANSFERASE LOH CK GAMMA GT TOTAL PROTEIN ALBUMIN GLOBULIN CALCIUM Corrected Calcium PHOSPHATE URIC ACID RANDOM BLOOD GLUCOSE (FL) AMYLASE TRIGLYCERIDES CHOLESTEROL HDL CHOLESTEROL	<pre>104 * 33 6.2 60 >90 For UK guidelines: www.renal.org/informati 6 87 19 12 * 233 61 20 69 46 23 2.44 2.43 1.09 249 5.2 79 1.6 * 6.0 1.7</pre>	<pre>mmol/L 98 - 107 mmol/l 22 - 29 mmol/L 1.7 - 8.3 umol/L 49 - 92 . on-resources umol/L 0 - 20 IU/L 35 - 104 IU/L 0 - 31 IU/L 10 - 35 IU/L 135 - 214 IU/L 26 - 140 IU/L 6 - 42 g/L 63 - 83 g/L 34 - 50 g/L 19 - 35 mmol/L 2.20 - 2.6 mmol/L 2.20 - 2.6 mmol/L 0.87 - 1.4 umol/L 175 - 363 mmol/L 3.5 - 7.9 IU/L 28 - 100 mmol/L 2.3 mmol/L 0.2 - 1.7</pre>		
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POTASSIUM CHLORIDE BICARBONATE UREA CREATININE estimated GFR BILIRUBIN ALKALINE PHOSPHATASE ASPARTATE TRANSFERASE ALANINE TRANSFERASE LOH CK GAMMA GT TOTAL PROTEIN ALBUMIN GLOBULIN CALCIUM Corrected Calcium PHOSPHATE URIC ACID RANDOM BLOOD GLUCOSE (FL) AMYLASE TRIGLYCERIDES CHOLESTEROL HDL CHOLESTEROL	<pre>104 * 33 6.2 60 >90 For UK guidelines: www.renal.org/informati 6 87 19 12 * 233 61 20 69 46 23 2.44 2.43 1.09 249 5.2 79 1.6 * 6.0 1.7</pre>	<pre>mmol/L 98 - 107 mmol/l 22 - 29 mmol/L 1.7 - 8.3 umol/L 49 - 92 . on-resources umol/L 0 - 20 IU/L 35 - 104 IU/L 0 - 31 IU/L 10 - 35 IU/L 135 - 214 IU/L 26 - 140 IU/L 6 - 42 g/L 63 - 83 g/L 34 - 50 g/L 19 - 35 mmol/L 2.20 - 2.6 mmol/L 2.20 - 2.6 mmol/L 0.87 - 1.4 umol/L 175 - 363 mmol/L 3.5 - 7.9 IU/L 28 - 100 mmol/L 2.3 mmol/L 0.2 - 1.7</pre>		

Collected: 18/02/2019 11:30 THE HEALTH EQUATION 4TH FLOOR NORTH 25 WIMPOLE STREET	Received: 18/02/2019 16:47 Hospital No.: Reference:		
LONDON W1G 8GL	Report Date: 20 February 2019 13:47:55		
T.I.B.C	46	umol/L	41 - 77
TRANSFERRIN SATURATION	43	8	20 - 55
C Reactive protein	4.4	mg/L	<5.0
Haemoglobin Alc	5.6	8	4.0 - 6.0
HbAlc (mmol/mol)	37	mmol/mol	20 - 42
Lipase	31.3	U/L	13 - 60
ENDOCRINOLOGY			
THYROID STIMULATING HORMONE	3.39	mIU/L	0.27 - 4.2
FREE THYROXINE	15.0	pmol/l	12.0 - 22.0
25 OH Vitamin D	R.	nmol/L	50 - 200
	Interpretation of results:		
	Deficient <25 nmol/L		
	Insufficient 25 - 49 nmol/L		
Normal Range 50 - 200 nmol/L			

Consider reducing dose >200 nmol/L