

Patient	BUCKLE, MARK EDWARD	Home Phone		Work Phone	
Health #	0014045355	Sex	M	Patient ID	31325
Age	26 years				
DOB	1992-Jun-05				

Accession Id:	000002018257002221	
MRN:	1721015	
Ordered By:		Reported By: CDHA
Collection Date:	2018-Sep-14 9:23 AM	Reviewed: 2018-Sep-16 by DWood
Attending:	David Calvin Wood	
Updated On:	2018-Sep-16 9:36 PM	

	Flags	Results	Ref Range
CBC (Final)			
WBC	L	4.39	4.50 - 11.00 x10(9)/L
RBC	L	4.39	4.50 - 6.50 x10(12)/L
Hgb	L	139	140 - 180 g/L
Hct		0.426	0.420 - 0.540
MCV		97.0	80.0 - 97.0 fL
MCH		31.7	28.0 - 32.0 pg
MCHC		326	315 - 350 g/L
RDW		12.4	11.5 - 14.5 %
PLT		211	150 - 350 x10(9)/L
MPV		10.9	9.0 - 12.5 fL
NRBC/100 WBC's		0.0	0.0 - 0.0 %

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	Flags	Results	Ref Range
Automated Diff (Final)			
Neut	L	39.7	45.0 - 70.0 %
Lymph	H	43.5	15.0 - 41.0 %
Mono		7.5	2.0 - 10.0 %
Eos		6.8	0.0 - 7.0 %
Baso	H	2.3	0.0 - 1.5 %
Immature Grans		0.2	0.0 - 5.0 %
Neut	L	1.74	2.00 - 7.50 x10(9)/L
Lymph		1.91	1.50 - 4.00 x10(9)/L
Mono		0.33	0.10 - 0.90 x10(9)/L
Eos		0.30	0.00 - 0.50 x10(9)/L
Baso		0.10	0.00 - 0.10 x10(9)/L
Immature Grans		0.01	0.00 - 0.09 x10(9)/L

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Flags	Results	Ref Range
Corrected Total Calcium (Final)		
Corrected Total Calcium	2.39	mmol/L
This Corrected Total Calcium value can be compared to the normal range for patients with a normal Albumin of 40 g/L.		

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Flags	Results	Ref Range
Uric Acid (Final)		
Uric Acid	266	210 - 450 umol/L
High normal urate level does not rule out gout, especially if sample taken during an acute attack. If on treatment for chronic gout, recommended levels are <360 umol/L.		
Note that falsely lower results may be seen in patients on Rasburicase.		

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Flags	Results	Ref Range
Glucose Random (Final)		
Glucose Random	5.4	3.9 - 7.8 mmol/L
For interpretation, please see the Canadian Journal of Diabetes 2013: http://www.diabetes.ca		

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Flags	Results	Ref Range
Creatinine (Final)		
Creatinine	78	64 - 104 umol/L

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Flags	Results	Ref Range
ALT (Final)		

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	Flags	Results	Ref Range
Albumin (Final)			
Albumin		45	35 - 50 g/L

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	Flags	Results	Ref Range
Calcium (Final)			
Calcium		2.49	2.20 - 2.60 mmol/L

Reference range based on samples from ambulatory patients.
Recumbent: 0.10 mmol/L lower.

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	Flags	Results	Ref Range
C-Reactive Protein (Final)			
C-Reactive Protein		0.29	0.00 - 7.99 mg/L

>8 mg/L is consistent with acute phase response to inflammation.

Cardiovascular Risk assessment:
Low risk: <1 mg/L
Average risk: 1-3 mg/L
High risk: >3 mg/L

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Phosphorus (Final)		
Phosphorus	1.19	0.74 - 1.52 mmol/L
Phosphorus has a very strong biphasic circadian rhythm. Values are lowest in the morning, peak first in the late afternoon and peak again in the late evening. The second peak is quite elevated and results may be outside the reference range.		

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Flags	Results	Ref Range
eGFR (Final)		
eGFR	>90	>= 60 mL/min/1.73mE2
Stage of Kidney Disease	eGFR	Description
1	>=90	Normal or High
2	60-89	Mildly Decreased
3a	45-59	Mildly to Moderately Decreased
3b	30-44	Moderately to Severely Decreased
4	15-29	Severely Decreased
5	<15	Kidney Failure

*Multiply the adult (>= 18 years) eGFR results by 1.159 if patient of African descent.

CAUTION: eGFR should not be used when plasma creatinine is changing rapidly, in pregnancy, for drug dosing, and should be interpreted with caution in extremes of body habitus.

eGFR <60 mL/min/1.73mE2 and/or Albumin to Creatinine Ratio (ACR) >= 3 mg/mmol for >3 months are diagnostic criterion for Chronic Kidney Disease (CKD).

For more information on CKD identification, management and referral:
<http://www.nsrp.gov.ns.ca/ckd-prevention-and-early-detection>

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	Flags	Results	Ref Range
Electrolytes (Na,K) (Final)			
Sodium		138	136 - 145 mmol/L
Reference values have not been established for patients that are less than 1 year of age.			
Pseudohyponatremia may be caused by specimens with high protein or lipid concentrations.			
Potassium		4.2	3.4 - 5.0 mmol/L
Reference values have not been established for patients that are less than 1 year of age.			
Note: Potassium (K+) reference ranges have been adjusted to accomodate for the possibility of slight leakage of K+ from red blood cells prior to sample separation.			

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	Flags	Results	Ref Range
Hemoglobin A1c (Final)			
Hgb A1c		5.6	4.6 - 5.9 %
For diagnostic purposes (excluding type 1 diabetes mellitus & gestational diabetes):			
6.0- 6.4% = prediabetes			
> or = 6.5% = diabetes			
For full diagnostic workup of diabetes mellitus and A1c targets to achieve glycemic control in patients with known diabetes- please refer to the most recent version of the Diabetes Canada Clinical Practice Guidelines.			

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	Flags	Results	Ref Range
Thyroid Stimulating Hormone (Final)			
Thyroid Stimulating Hormone		1.91	0.35 - 4.30 mIU/L

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	Flags	Results	Ref Range
Testosterone (Final)			
Testosterone		16.20	8.00 - 32.00 nmol/L
Note: Male reference range applies to post-puberty and is based on a morning sample, since levels tend to decline through the day.			

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Thyroxine Free (Final)			
T4 Free		10.9	9.0 - 19.0 pmol/L

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	Flags	Results	Ref Range
Bioavailable Testosterone (Final)			
Bioavailable Testosterone	L	1.33	2.50 - 10.00 nmol/L

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	Flags	Results	Ref Range
Sex Hormone Binding Globulin (Final)			
Sex Hormone Binding Globulin	H	85.2	13.5 - 71.0 nmol/L

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	Flags	Results	Ref Range
C-Peptide (Final)			
Patient Fasting?		N	
C-Peptide	L	<3	260 - 1730 pmol/L