

Last name:PLANTE First name:Clara DOB:19XX-08-15 Age:89 yrs  
HSN/PHN: 825545737 Sex: Female

### HEMATOLOGY

TEST-NAME	RESULT	AB	REF-RANGE	UNITS
<b><u>CBC</u></b>				
WBC	11.60	H	4.00-10.00	$\times 10^9/L$
RBC	2.59	L	4.00-5.20	$\times 10^{12}/L$
Hgb	108	L	115-164	g/L
Hematocrit	0.312	L	0.330-0.480	L/L
MCV	121	H	77-99	fL
MCH	41.6	H	28-32	pg
MCHC	345		320-360	g/L
RDW	13.4		11.5-15.0	%
Platelet	145	L	150-450	$\times 10^9/L$
MPV	13.3	H	7.4-10.6	fL

### **Automated Differential**

Neutrophils	8.58	H	2.00-7.00	$\times 10^9/L$
Lymphocytes	2.44		0.80-4.00	$\times 10^9/L$
Monocytes	0.35		0.08-0.60	$\times 10^9/L$
Eosinophils	0.12		0.04-0.30	$\times 10^9/L$
Basophils	0.12		0.00-0.10	$\times 10^9/L$

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**CHEMISTRY**

TEST-NAME	RESULT	AB	Ref-RANGE	UNITS
<b><u>General Chemistry</u></b>				
Sodium	130	L	135-146	mmol/L
Potassium	4.4		3.5-5.1	mmol/L
Chloride	95	L	100-110	mmol/L
CO2 (Total)	24		22-31	mmol/L
Anion Gap	11		7-16	mmol/L
Urea	10.6	H	3.7-7.0	mmol/L
Creatinine	120	H	45-90	umol/L
Glucose	16.7	H	3.6-10.0	mmol/L
Hemoglobin A1C	9.8	H	4.5-6.5	%
Albumin	28	L	32-52	g/L
E Glomerular Filtration Rate	38	L	60-200	ml/min

Chronic Kidney disease is defined by GRF <60mL/min/1.73 m<sup>2</sup> for more than 3 months

**Enzymes**

CK	180		30-200	U/L
AST	32		10-40	U/L
ALT	34		5-45	U/L
ALP	87		30-110	U/L
GGT	28		10-35	U/L

**Cardiac Markers**

NT-Pro BNP 3268 H ng/L

Rule out congestive heart failure <300  
 Rule in congestive heart failure 0-50 years >450  
 50-75 years >900  
 >75 years >1800

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TEST-NAME	RESULT	AB	Ref-RANGE	UNITS
Troponin HS	19.3	H		ng/L

<14.0 suggest retest at 3 to 6 hours to rule out myocardial infarction  
 ≥14.0-<50.0 Possible myocardial injury. Suggest retest at 3 hours. A change of less than 100%, retest 6 to 12 hours. A change of more than 100% or 20.0 suggest diagnosis of myocardial infarction  
 ≥50.0 Myocardial infarction

**Lipid Profile**

Cholesterol	7.23	H	4.20-6.20	mmol/L
Triglyceride	3.89	H	0.60-2.30	mmol/L
HDL	0.79	L	0.90-2.20	mmol/L
LDL	4.67	H	2.00-3.40	mmol/L

**Iron Studies**

Iron	11		10-29	umol/L
Total Iron Binding Capacity	69		45-72	umol/L
Iron Saturation	16		14-51	%
Ferritin	19	L	20-120	ug/L

**Other**

C-Reactive Protein High Sensitivity	23.1	H	0.0-7.0	mg/L
Vitamin B12	77	L		pmol/L
Deficient <116				
Borderline 116-138				
Normal 138-781				
Thyroid Stimulating Hormone	0.90		0.27-4.20	m[IU]/L