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|----------|----------------|------------|---------------|------------|-------|
| Patient | MANLEY, JOHN C | Home Phone | (519)508-1624 | Work Phone | |
| Health # | 1718539578 | Sex | M | Patient ID | 54706 |
| Age | 39 years | | | | |
| DOB | 1978-Apr-16 | | | | |

Lab Order #: L3-89161498
 Ordered By: J. KULKARNI Reported By: GDML
 Collection Date: 2018-Apr-06 Reviewed: 2018-Apr-08 by jkulkarni
 Updated On: 2018-Apr-08 4:58 PM

| | FlagsResults | Ref Range |
|------------------------------|--|------------|
| GLUCOSE SERUM FASTING | | |
| GLUCOSE SERUM FASTING (F) | N 4.3 mmol/L 3.6 - 6.0 NORMAL FASTING GLUCOSE 6.1 - 6.9 IMPAIRED FASTING GLUCOSE >6.9 PROVISIONAL DIAGNOSIS OF DIABETES MELLITUS | 3.6 - 6.00 |

| | | |
|-------------------|--|-------------------------------|
| CREATININE | | |
| CREATININE (F) | N 67 | 60 - 110 umol/L |
| eGFR (F) | N 115 >=60. mL/min/1.73m**2 eGFR is calculated using the CKD-EPI 2009 equation. | 60. - 99999.99 mL/min/1.73m*2 |
| CREATININE (F) | Normal eGFR. For patients of African descent, the reported eGFR must be multiplied by 1.15. | |

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|--------------|--|------------------|
| URATE | | |
| URATE (F) | N 302 | 200 - 440 umol/L |
| URATE (F) | The target for treatment of gout is a serum urate level < 360 umol/L (minimum). Lower serum concentrations may be required for alleviation of symptoms. [Arthritis Care Research 64 (2012) 1431-1446] | |

| | | |
|----------------------|------|-----------|
| HOURS FASTING | | |
| HOURS FASTING (F) | N 19 | hours hrs |

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| CHOLESTEROL | | |
| CHOLESTEROL (F) | N 2.41 | DESIRED: < 5.20 mmol/L |

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| TRIGLYCERIDES | | |
| TRIGLYCERIDES (F) | N 1.03 | < 1.70 mmol/L |

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|------------------------|--------|------------------|
| HDL CHOLESTEROL | | |
| HDL CHOLESTEROL (F) | N 1.10 | M: >=1.00 mmol/L |

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| LDL CHOLESTEROL CALC. | | |
| LDL CHOLESTEROL CALC. (F) | N 0.84 | mmol/L |

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|----------------------------------|-------------|--------------|
| NON-HDL-CHOLESTEROL(CALC) | | |
| NON-HDL-CHOLESTEROL(CALC (F) N | 1.31 mmol/L | -4.29 mmol/L |

mmol/L
 Non HDL-cholesterol is calculated from total cholesterol and HDL-cholesterol and is not affected by the fasting status of the patient.

Treatment thresholds and targets based on 2016 CCS guidelines:
 :Category :Consider initiating therapy if :Treatment target :
 :_____: _____: _____:
 :Primary :High FRS (>=20%); or Intermediate FRS :LDL-C <2.00 mmol/L :

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:prevention:(10-19%) and LDL-C >=3.5 mmol/L; or :or >50% decrease; :
: :non-HDL-C >=4.30 mmol/L; or ApoB :or ApoB <0.80 g/L; :
: :>=1.20 g/L; or men >=50 and women >=60:or non-HDL-C <2.60 :
: :y with >=1 additional CVD risk factor :mmol/L :
:_____ :_____ :
:Statin :Clinical atherosclerosis*; :LDL-C <2.00 mmol/L :
:indicated :abdominal aortic aneurysm; diabetes :or >50% decrease; :
:conditions:mellitus (DM) and age >=40 y or >=30 y:or ApoB <0.80 g/L; :
: :with 15 years duration (DM1); DM with :or non-HDL-C <2.60 :
: :microvascular disease; chronic kidney :mmol/L :
: :disease (age >=50 years) : :
:_____ :_____ :
:Low-risk :LDL-C >=5.00 mmol/L :LDL-C >50% decrease:
:_____ :_____ :
*Consider target of LDL-C <1.8 mmol/L for subjects with ACS <=3 months.

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TC/HDL-C RATIO

TC/HDL-C RATIO (F) N 2.2

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|-------------------------|-------|---|---------------------------------|-----------------------|
| VITAMIN B12 | | | | |
| VITAMIN B12(F) | N | 386 | 221.- | |
| | | pmol/L | | |
| | | DEFICIENCY: < 148 pmol/L | | |
| | | INSUFFICIENCY: 148 - 220 pmol/L | | |
| | | SUFFICIENCY: > 220 pmol/L | | |
| | | 60% OF SYMPTOMATIC PATIENTS HAVE A HEMATOLOGIC OR NEUROLOGIC RESPONSE TO B12 SUPPLEMENTATION AT A LEVEL <148 pmol/L | | |
| TSH | | | | |
| TSH (F) | N | 2.08 | 0.35 - 5.00 mIU/L | mIU/L |
| HEMOGLOBIN A1c | | | | |
| HEMOGLOBIN A1c(F) | N | 4.8 | < -5.99 | % |
| | | % | | |
| | | NON-DIABETIC: < 6.0 % | | |
| | | PREDIABETES: 6.0 - 6.4 % | | |
| | | DIABETIC: > 6.4 % | | |
| | | OPTIMAL CONTROL: < 7.0 % | | |
| | | SUB-OPTIMAL CONTROL: 7.0 - 8.4 % | | |
| | | INADEQUATE CONTROL: > 8.4 % | | |
| HEMOGLOBIN | | | | |
| HEMOGLOBIN (F) | N | 133 | 129 - 165 g/L | g/L |
| HEMATOCRIT | | | | |
| HEMATOCRIT (F) | N | 0.39 | 0.39 - 0.49 l/l | L/L |
| RBC | | | | |
| RBC (F) | N | 4.3 | 4.2 - 5.8 x 10 ¹² /L | x 10 ¹² /L |
| | | | 10E12/L | |
| RBC INDICES: MCV | | | | |
| RBC INDICES: MCV (F) | N | 89 | 80 - 98 fl | fL |
| MCH | | | | |
| MCH (F) | N | 31 | 24 - 33 pg | |
| MCHC | | | | |
| MCHC (F) | H | 345 | 313 - 344 g/L | g/L |
| RDW | | | | |
| RDW (F) | N | 12.9 | 12.5 - 17.3 | |

| | | | | | |
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| | Flags | Results | Ref Range |
|---------------------------|-------|---------|---|
| WBC | | | |
| WBC (F) | N | 5.0 | 3.2 - 9.4 x 10E9/L |
| PLATELETS | | | |
| PLATELETS (F) | N | 177 | 155 - 372 x 10 ⁹ /L |
| MPV | | | |
| MPV (F) | N | 9.2 | 4.0 - 14.0 fl fl |
| DIFFERENTIAL WBC'S | | | |
| NEUTROPHILS (F) | N | 3.3 | 1.4 - 6.3 x10E9/L x 10 ⁹ /L |
| LYMPHOCYTES (F) | N | 1.2 | 1.0 - 2.9 x10E9/L x 10 ⁹ /L |
| MONOCYTES (F) | N | 0.5 | 0.2 - 0.8 x10E9/L x 10 ⁹ /L |
| EOSINOPHILS (F) | N | 0.0 | 0.0 - 0.5 x10E9/L x 10 ⁹ /L |
| BASOPHILS (F) | N | 0.00 | 0.00-0.09x10E9/L x 10 ⁹ /L |

Ordered By: Kulkarni, Jyolhi
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| | Flags | Results | Ref Range |
|-------------------------|-------|---------|-----------|
| Physical History | | | |
| Weight | | 66.1 | kg |
| Height | | 173 | cm |
| BMI | | 22.1 | |
| BP - Systolic | | 129 | |
| BP - Diastolic | | 70 | |
| Heart Rate | | 62 | bpm |