

# Serum creatinine

## Subject

Instructions for the requirement of a serum creatinine laboratory test in the screening of clients with potential renal impairment in the context of the Canadian Immigration medical examination (IME).

## Goal/Objective

These instructions are provided to ensure that panel physicians (PPs) follow a consistent and appropriate process for the following:

- identification of clients with abnormal history or findings that require the addition of serum creatinine test; and
- completion and grading of an IME for a client with abnormal serum creatinine results.

## Instructions

Measuring serum creatinine is a useful and inexpensive method of evaluating the function of the body's major organs. These instructions identify **new** requirements for serum creatinine testing during the IME.

A serum creatinine test is mandatory for clients with the following:

- a history of diabetes;
- a history of heart condition including coronary disease, hypertension, valve or congenital disease;
- physical findings of hypertension ( $\geq 140/\geq 90$ ) during the IME; and/or
- abnormal **repeat** urinalysis (dipstick with +2 or +3 for blood, protein or glucose / abnormal microscopy).

PPs should also consider including a serum creatinine test for clients with the following:

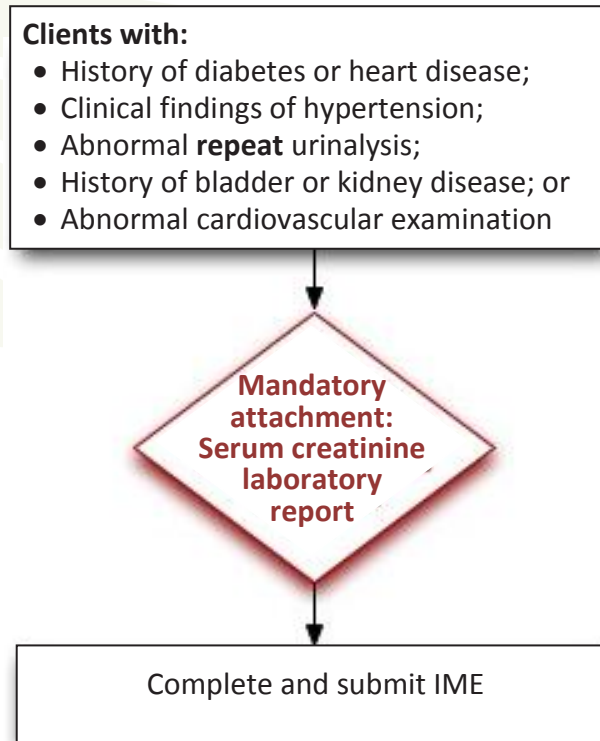
- a history of kidney or bladder disease; and/or
- abnormal findings in relation to the cardiovascular system during the IME.

## Grading

All IMEs for clients with abnormal history or abnormal physical examination who require serum creatinine testing must be graded B.

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### Algorithm



### HB Approval and Authority

Director General, NHQ, Health Branch, CIC

### Implementation Date

2012/11/01

### Revision Date(s)

2013/11/01