



LAB#: U150910-2415-1
 PATIENT: Joe Sr Lichman
 ID: LICHMAN-J-00004
 SEX: Male
 AGE: 58

CLIENT#: 32029
 DOCTOR: Michael Cheikin, MD
 Wynd Moore Rehab Association
 832 Germantown Pike 3
 Plymouth Meeting, PA 19462 U.S.A.

Urine Halides; Pre & Post Loading

Iodine	µg/mg cr	mg/24 hr	Reference Range	<p>Iodine levels include iodine and iodide oxidized to iodine. Excretion percentage is calculated by dividing the patient's mg/24hour Iodine result by the Iodine/Iodide dosage (in mg) recorded on the requisition form, then multiplying by 100.</p>
Sample 1 PRE	0.17		0.1- 0.4 µg/mg cr	
Sample 2 POST	16	36	0.15- 0.5 mg/24 hr	
% Excretion/24 hr		72%		

Bromine	µg/mg cr	mg/24 hr	Reference Range	<p>Bromine levels represent total bromine plus bromide, as measured by ICP-MS. Bromide is antagonistic to iodide, and is abundant in commercially produced baked goods, soft drinks, pesticides, brominated chemicals and some medications.</p>
Sample 1 PRE	1.1		< 7 µg/mg cr	
Sample 2 POST	3.4	7.4	< 7 mg/24 hr	

Fluoride	µg/mL	mg/24 hr	Reference Range	<p>Fluoride in urine is measured using an ion specific electrode. Fluoride is neurotoxic, compromises integrity of bone, and interferes with iodide metabolism. Primary sources of fluoride include fluoridated water, beverages, toothpaste/mouth washes, dental treatments and some medications.</p>
Sample 1 PRE	1.1		< 1.1 µg/mL	
Sample 2 POST	0.58	2.1	< 1.3 mg/24 hr	

Creatinine	Result	Reference Range	<p>Urine Creatinine is used to account for urinary dilution effects in less than 24-hour collections and to assess the collection completeness in 24-hour collections. For estimation of glomerular filtration rate (GFR), a Creatinine Clearance test is recommended.</p>
Sample 1 PRE	168	35- 240 mg/dL	
Sample 2 POST	2190	900- 3000 mg/24hr	

Comments:

#1 Date Collected: 09/07/2015	#2 Date Collected: 09/08/2015	Date Received: 09/10/2015
#1 Collection Period: Random	#2 Collection Period: 24 Hr/Col1	Date Completed: 09/12/2015
	#2 Volume: 3700 ml	<dl: less than detection limit
	#2 Loading Dosage: 50 MG	Method: I, Br by ICP-MS/ F by ISE Creatinine by Jaffe method

Reference ranges are representative of a healthy population under non-challenge or non-loading conditions.

V04.07