



DATE: April 27, 2016

TO: Pediatric and Adult Endocrinologists at HHS and SJH
Clinical Managers and Educators at HHS and SJH

FROM: Dr. Tony Chetty, Discipline Director Clinical Chemistry and Immunology

RE: Tests Temporarily Re-Directed: Renin Direct and Aldosterone

Due to a critical failure of a chemiluminescent analyzer, the following two tests will be temporarily redirected:

- Renin Direct
- Aldosterone (both Serum and Urine)

A replacement instrument is being delivered to the laboratory and will require time to setup and validate. We anticipate the above tests will be available in-house by the middle of May. Until we are live we will be redirecting samples to an alternate site. Details for each of the tests are below:

Renin	New Reference Interval	Previous Reference Interval
Site	University Health Network	HRLMP
TAT	6 days	8 days
Specimen	2.5mL Plasma (EDTA)	1 mL EDTA Plasma (Adult)
Reference Range	Normal Salt Diet: (100-180 mmol/d) Recumbent >6h: 0.0 – 11.2 ng/L Upright >2h: 6.1 – 22.9 ng/L	Adult Normal Salt Diet: Upright: 1.98 – 24.6 ng/L Supine: 1.44 – 17.4 ng/L
Specimen		0.8mL EDTA Plasma (Pediatric)
Reference Range	Low Salt Diet: (10 mmol/d for 4 days) Recumbent >6h: 6.8 – 27.1 ng/L Upright >2h: 10.2 – 50.0 ng/L Upright 2h and Diuretic: 13.7 – 93.4 ng/L	Pediatric Guidelines: 1-6 years: 6.3 – 149 ng/L 7-12 years: 5.5 – 110 ng/L 13-17 years: 3.3 – 61 ng/L
Method	Chemiluminescent Immunoassay	Chemiluminescent Immunoassay

Tests Temporarily Re-Directed

Aldosterone	New Reference Interval	Previous Reference Interval
Site	University Health Network	HRLMP
TAT	6 days	
Specimen	0.5mL Serum	Adult
Reference Range	Normal Salt Intake: Standing: 165 – 969 pmol/L Recumbent: 76 – 523 pmol/L	Upright: 61 – 978 pmol/L Supine: 32 – 654 pmol/L
Specimen		Pediatric
		Normal Salt Diet, Upright: Cord Blood: 1110 – 5554 pmol/L Premature Infant: 530 – 3910 pmol/L Del. To 3 days: 190 – 5100 pmol/L 3 – 7 days: 80 – 4850 pmol/L 1 week – 12 months: 140 – 2490 pmol/L 1 – 2 years: 190 -1500 pmol/L 2 – 10 years: 140 – 2220 pmol/L 10 – 15 years: 110 – 1330 pmol/L
Method	Chemiluminescent Immunoassay	Chemiluminescent Immunoassay

We apologize for any inconvenience these changes in testing may cause.

For further information please contact:

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