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PORFIRINAS

Requisition #:

Patient Name:

Patient Age:

Sex:

Physician Name:

Date of Collection:

Time of Collection:

Print Date:

Urine Porphyrins

Compound	Results		Range			
	nmol/L	nmol/g CREAT	nmol/g CREAT			
Uroporphyrins (UP)	19.3	27.7	0	-	24	H
Heptacarboxy (7-CP)	0.0	0.0	0	-	13	
Hexacarboxy (6-CP)	0.0	0.0	0	-	4	
Pentacarboxy (5-CP)	2.9	4.1	0	-	10	
Precoproporphyrin (PreCP)	0.0	0.0	0	-	9	
Coproporphyrins I, III (CP)	171.1	245.7	0	-	153	H

CREAT (Creatinine) 0.70 g/L

Interpretation:

- > High levels of 5-CP, PreCP and CP have been associated with Hg exposure ^{1, 2, 3}
- > High levels of 6-CP, 5-CP, PreCP and CP were found in Autistic children ⁴
- > High levels of UP, and CP have been associated with As, Pb exposure ⁵
- > High levels of UP suggestive of Aluminum exposure ⁶
- > High levels of UP, and 7-CP strongly increased in Porphyria cutanea tarda ⁷
- > High levels of UP, CP strongly increased in either acute intermittent porphyria or porphyria variegata ^{7, 8}
- > High levels of porphyrins may be caused by genetics, numerous environmental chemicals, drugs, diseases, and alcohol ^{7, 8}

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Analysis by HPLC with fluorescence detection and performed by Laboratory Corporation of America, LabCorp, Burlington, NC.