

09/06/2006

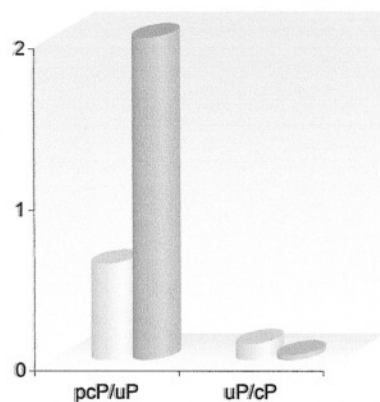
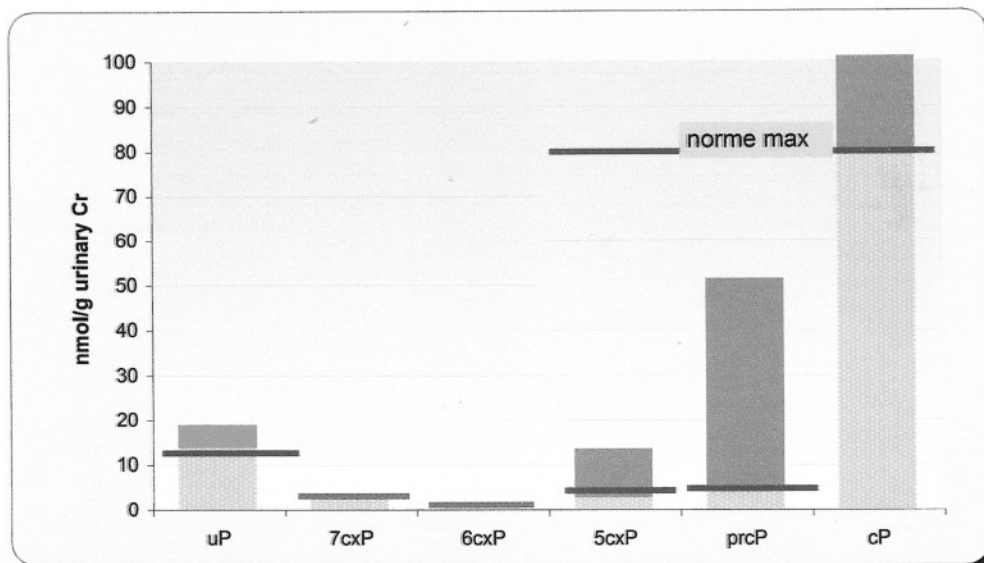
Urinary porphyrins

HPLC-UV+Fluorescence (nmol / urinary gCr)

Porphyrins	patients	reference
Uroporphyrins I & III (UP)	19	7-14
Heptacarboxy porphyrin (7cxP)	2,9	1,5-3,5
Hexacarboxy porphyrin (6cxP)	1,5	0,4-0,8
Pentacarboxy porphyrin (5cxP)	13,6	1,0-2,9
Precoproporphyrin (Preco)	51,4	2-5
Coproporphyrins I & III (cP)	515	50-80

ratios

prCP/UP	2,6	0,3-0,6
prCP/CP	9,0	%
UP / CP	0,03	0,014-0,1



PCP/URO

Normalized to Uroporphyrin, internal metabolite unchanged by mercury toxic impact ($0,3 < N < 0,6$)

PCP/COPRO

Marker of heavy metal (mercury) toxicity, modulated by environmental or genetic susceptibility (H272N COP-OX)

URO/7CXP

Marker of activity site-1 Uro-Decarboxylase (Inhibition As, AI Industrial and domestic Xenobiotics)

% DECARBOXYLATED METABOLITES

sites-1,2,3,4 Uro-Decarboxylase activity index, reflecting global toxic impairment

average slightly increased rate increased rate very high rate