



## Patient 14 Pre and Post Provocation Case Study

Case history dictated by attending physician

Provocation agents: ACZ nano/ACS 200

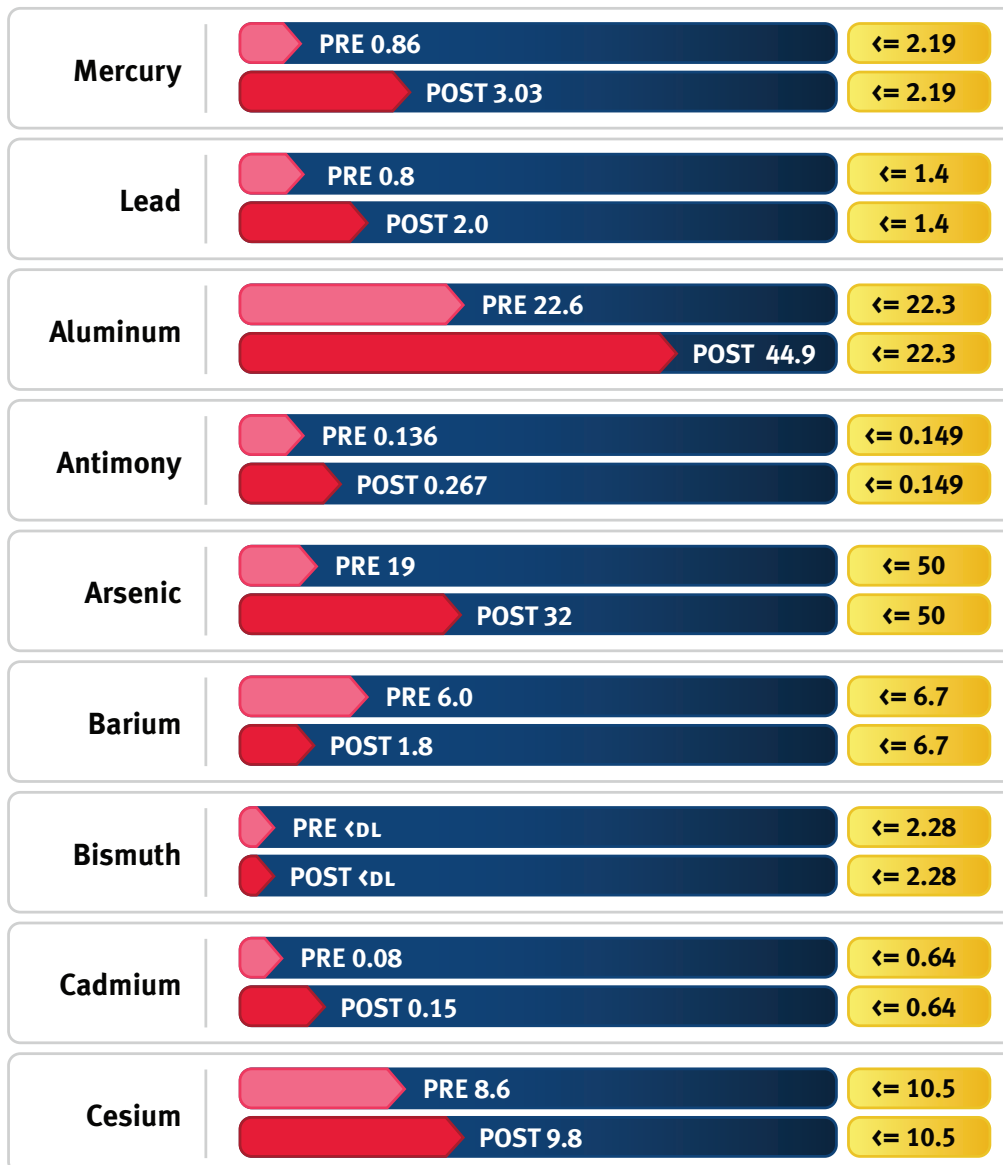
Female, 54. Dx: Multiple Sclerosis, Coproporphyrria, Acute Intermittent & Variegate Porphyrria with incontinence

Treatment response: No longer incontinent with TID ACZ nano (15 sprays) & ACS 200 (10 sprays).

**Results of 12 Hour Post-Provocation Testing:** Results demonstrate an increased excretion rate of **Platinum 410%, Mercury 278%, Cesium 290%, Tin 247%, Lead 232%, Niobium 219%, Aluminum 198%, Antimony 196%, Rubidium 135%, Gallium 1800%, Cadmium 187%, Arsenic 168%** over Pre-Provocation levels.

### 12 Hour - Toxic Element Provocation Protocol (TEPP):

8am - collect Pre-Provocation urine sample, begin Provocation testing: 40 sprays ACZ nano and 20 sprays ACS 200 orally at 8am, 2pm, 4pm .  
Collect Post-Provocation urine from 8am until 8pm.





Gadolinium	PRE <DL	≤ 0.019
	POST <DL	≤ 0.019
Gallium	PRE < DL	≤ 0.028
	POST 0.018	≤ 0.028
Nickel	PRE 8.45	≤ 3.88
	POST 3.80	≤ 3.88
Niobium	PRE 0.068	≤ 0.084
	POST 0.149	≤ 0.084
Platinum	PRE 0.029	≤ 0.033
	POST 0.119	≤ 0.033
Rubidium	PRE 2,364	≤ 2,263
	POST 3,298	≤ 2,263
Thalium	PRE 0.224	≤ 0.298
	POST 0.208	≤ 0.298
Thorium	PRE <DL	≤ 4.189
	POST <DL	≤ 4.189
Tin	PRE 0.90	≤ 2.04
	POST 2.23	≤ 2.04
Tungsten	PRE <DL	≤ 0.211
	POST <DL	≤ 0.211
Uranium	PRE <DL	≤ 0.026
	POST <DL	≤ 0.026