



Patient 1 Pre and Post Provocation Case Study

Case history dictated by attending physician

Provocation agents: ACZ nano/ACS 200

Female, 53. Dx: Fatigue, Hormone Imbalance, Weight gain; Chelation Hx: 2004 - DMPS IV X3

Treatment response: Continuing TID with ACZ nano (15 sprays) & ACS 200 (10 sprays), Bio-identical Tx with 7-keto DHEA, Progesterone and Liothyronine (T3). Energy improved & weight normalized.

Results of 12 Hour Post-Provocation Testing: Results demonstrate an increased excretion rate of **Mercury 5400%, Nickel 600%, Tin 600%, Lead 500%, Antimony 400%, Gadolinium 400%, Barium 350%, Aluminum 187%, Arsenic 157%, Other Metals Excreted Above Baseline: Cadmium, Cesium, Rubidium, Thallium** 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.

Mercury	PRE 0.24	≤ 2.19
	POST 13.05	≤ 2.19
Lead	PRE 0.4	≤ 1.4
	POST 2.1	≤ 1.4
Aluminum	PRE 4.7	≤ 22.3
	POST 8.8	≤ 22.3
Antimony	PRE 0.049	≤ 0.149
	POST 0.197	≤ 0.149
Arsenic	PRE 21	≤ 50
	POST 33	≤ 50
Barium	PRE 1.3	≤ 6.7
	POST 4.5	≤ 6.7
Bismuth	PRE <DL	≤ 2.28
	POST <DL	≤ 2.28
Cadmium	PRE 0.22	≤ 0.64
	POST 0.29	≤ 0.64
Cesium	PRE 6.4	≤ 10.5
	POST 7.3	≤ 10.5



Gadolinium	PRE 0.009	≤ 0.019
	POST 0.036	≤ 0.019
Gallium	PRE 0.007	≤ 0.028
	POST 0.007	≤ 0.028
Nickel	PRE 0.77	≤ 3.88
	POST 4.68	≤ 3.88
Niobium	PRE <DL	≤ 0.084
	POST <DL	≤ 0.084
Platinum	PRE <DL	≤ 0.033
	POST <DL	≤ 0.033
Rubidium	PRE 1,333	≤ 2,263
	POST 1,488	≤ 2,263
Thalium	PRE 0.156	≤ 0.298
	POST 0.215	≤ 0.298
Thorium	PRE <DL	≤ 4.189
	POST <DL	≤ 4.189
Tin	PRE 2.62	≤ 2.04
	POST 16.03	≤ 2.04
Tungsten	PRE 0.017	≤ 0.211
	POST <DL	≤ 0.211
Uranium	PRE <DL	≤ 0.026
	POST <DL	≤ 0.026