

HAIR ELEMENTS



PATIENT: Number 246
SEX: Male
AGE: 77
LOCATION: Bologna, Northern Italy

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	11	< 7.0		
Antimony	0.074	< 0.066		
Arsenic	0.070	< 0.080		
Barium	0.33	< 1.0		
Beryllium	< 0.01	< 0.020		
Bismuth	0.089	< 2.0		
Cadmium	0.017	< 0.065		
Lead	0.59	< 0.80		
Mercury	0.18	< 0.80		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.007	< 0.060		
Nickel	1.2	< 0.20		
Silver	0.04	< 0.08		
Tin	0.06	< 0.30		
Titanium	0.74	< 0.60		
Total Toxic Representation				

ESSENTIAL AND OTHER ELEMENTS

ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE				
			2.5 th	16 th	50 th	84 th	97.5 th
Calcium	310	200- 750					
Magnesium	44	25- 75					
Sodium	230	20- 180					
Potassium	200	9- 80					
Copper	12	11- 30					
Zinc	140	130- 200					
Manganese	0.19	0.08- 0.50					
Chromium	1.3	0.40- 0.70					
Vanadium	0.078	0.018- 0.065					
Molybdenum	0.051	0.025- 0.060					
Boron	6.2	0.40- 3.0					
Iodine	0.23	0.25- 1.8					
Lithium	0.016	0.007- 0.020					
Phosphorus	200	150- 220					
Selenium	0.90	0.70- 1.2					
Strontium	1.1	0.30- 3.5					
Sulfur	48700	44000- 50000					
Cobalt	0.023	0.004- 0.020					
Iron	19	7.0- 16					
Germanium	0.030	0.030- 0.040					
Rubidium	0.21	0.011- 0.12					
Zirconium	0.061	0.020- 0.44					

SPECIMEN DATA

COMMENTS:
 Date Collected: 12/22/2008 Sample Size: 0.198 g
 Date Received: 1/20/2009 Sample Type: Head
 Date Completed: 1/24/2009 Hair Color:
 Client Reference: Treatment:
 Methodology: ICP-MS Shampoo: Ordinary

RATIOS

ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	7.05	4- 30
Ca/P	1.55	0.8- 8
Na/K	1.15	0.5- 10
Zn/Cu	11.7	4- 20
Zn/Cd	> 999	> 800

V010.08

Health history for hair test 246

Due to bad family stress has been suffering with anxiety and depression since beginning of May 2008, in August eventually accepted treatment from GP based on benzodiazepines and SSRI (very poorly administered plan); 8 days into the treatment developed hallucinations day and night (hearing people talking and shouting real badly about him and family), docs have been juggling all sort of psycho-drugs including antipsycotic ones but on decreasing meds the hallucinations come back. Previous to falling depressed he was on Mg chloride 3 x day for a few months, which he stopped 10 days before.

Before that since getting poisoned during his military service at age 21 (maybe heavy vax) had a personality change for the worse and has been a very aloof and anti-social personality all his life, everything got on his nerve.

His first hair test was done last May 08 and nickel was red high (3.3), chromium was quite high but not on the red, plus sodium and potassium were red high (takes adrenal cortex now).

He takes vit C several times a day, some Mg but he's very unstable and needs 24/24h care at home. He takes 5HTP at night but still very depressed and too weak to get up to eat, has developed breathing and heart problems as a side effect of Haldol. This week was put back on yet another SSRI (Zoloft), just 7 drops a.m.

Didn't have many amalgam fillings, still got all his teeth, a cap or two maybe (hard to gather), hasn't had a blood test since his fall 27 years ago, during which he was hospitalized for cranial trauma. Eventually agreed to have a blood test for beginning of Feb and doc is checking is electrolytes.