

HAIR ELEMENTS



PATIENT: Number 266
SEX: Male
AGE: 67
LOCATION: Grand Rapids, Michigan, USA

POTENTIALLY TOXIC ELEMENTS				
TOXIC ELEMENTS	RESULT $\mu\text{g/g}$	REFERENCE RANGE	PERCENTILE	
			68 th	95 th
Aluminum	0.7	< 7.0		
Antimony	0.028	< 0.066		
Arsenic	0.060	< 0.080		
Barium	0.09	< 1.0		
Beryllium	< 0.01	< 0.020		
Bismuth	0.013	< 2.0		
Cadmium	0.033	< 0.065		
Lead	0.09	< 0.80		
Mercury	0.10	< 0.80		
Platinum	< 0.003	< 0.005		
Thallium	< 0.001	< 0.002		
Thorium	< 0.001	< 0.002		
Uranium	0.007	< 0.060		
Nickel	0.05	< 0.20		
Silver	0.02	< 0.08		
Tin	0.06	< 0.30		
Titanium	0.42	< 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	146	200- 750					
Magnesium	40	25- 75					
Sodium	180	20- 180					
Potassium	55	9- 80					
Copper	11	11- 30					
Zinc	230	130- 200					
Manganese	0.41	0.08- 0.50					
Chromium	0.43	0.40- 0.70					
Vanadium	0.038	0.018- 0.065					
Molybdenum	0.033	0.025- 0.060					
Boron	0.57	0.40- 3.0					
Iodine	0.43	0.25- 1.8					
Lithium	< 0.004	0.007- 0.020					
Phosphorus	197	150- 220					
Selenium	1.1	0.70- 1.2					
Strontium	0.17	0.30- 3.5					
Sulfur	45400	44000- 50000					
Cobalt	0.002	0.004- 0.020					
Iron	13	7.0- 16					
Germanium	0.032	0.030- 0.040					
Rubidium	0.049	0.011- 0.12					
Zirconium	0.043	0.020- 0.44					

SPECIMEN DATA				RATIOS		
COMMENTS:				ELEMENTS	RATIOS	EXPECTED RANGE
Date Collected: 12/31/2008	Sample Size: 0.2 g			Ca/Mg	3.65	4- 30
Date Received: 1/12/2009	Sample Type: Head			Ca/P	0.741	0.8- 8
Date Completed: 1/14/2009	Hair Color: Brown			Na/K	3.27	0.5- 10
Client Reference:	Treatment:			Zn/Cu	20.9	4- 20
Methodology: ICP-MS	Shampoo: Jj Baby			Zn/Cd	> 999	> 800

V010.08

Health history for hair test 266

Relationship to other hair tests - Wife (mine) is #203
2 grandsons - #232, 233

Here is the information requested:

Age 67

Current symptoms and health history- obesity, fibromyalgia, constant/chronic fatigue, fatigue after light exertion, crumbling top front teeth, bruxism, front bottom teeth cupped, TMJ, wears bite splint, gum disease, gums bleed easily, metallic taste in mouth, sinus infections, post nasal drip, dry skin on arms and feet, thick toenails, poor short term memory, poor balance, sleep apnea, low body temperature, food sensitivities, candida, hypoglycemia, insomnia, tinnitus, severe muscle spasms, diverticulosis, dizziness, low back pain, hip replacements (titanium) in August, 2002 and February 2009, moodiness, irritability, anxiety.

Dental history – Because Mom didn't have access to dental work as a child, she made sure all her kids did see the dentist, so amalgams were placed probably at a young age. Terry had 4 teeth (not wisdom) pulled while in his 20s, no bridges placed, so teeth have shifted sideways. TMJ 15-20 years ago, still wears a bite splint of acrylic and stainless steel. No root canals or braces.

Present dental work – has several amalgam fillings.

Mother – no dental work during pregnancy, all her teeth were pulled when Terry was 5.

Vaccinations – usual shots, no travel, flu or pneumonia shots.

Supplements and medicines at time of hair test and 3-6 months prior – Flomax for urine flow, Moduretic and Vasotec for high blood pressure, Armour thyroid (240 mg), Ultram for pain, Elavil for sleep, Valium as needed for muscle spasms, Restful Night Essentials (Dr. Julian Whitaker) for sleep, Saw Palmetto for prostate health, Psyllium husks for regularity.

Other relevant information – From 1985-2000, Terry received monthly shots of celestone, depomedrol and novocaine for help with fibromyalgia. The doctor says these were not preserved with thimerosal. In his working career, Terry caponized chickens injecting them with distebestrol. Was this preserved with mercury? I don't know. He often stuck himself with the needle. He worked in the feed and grain industry and at one time lived on a fruit farm.

Grand Rapids, Michigan, USA