



PATIENT: Hair Test 1415

SEX: Male

DOB: 06/27/1953

Toxic & Essential Elements; Hair

TOXIC METALS				
		RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum	(Al)	11	< 7.0	
Antimony	(Sb)	0.035	< 0.066	
Arsenic	(As)	0.083	< 0.080	
Barium	(Ba)	0.44	< 1.0	
Beryllium	(Be)	< 0.01	< 0.020	
Bismuth	(Bi)	< 0.002	< 2.0	
Cadmium	(Cd)	0.040	< 0.065	
Lead	(Pb)	1.2	< 0.80	
Mercury	(Hg)	0.79	< 0.80	
Platinum	(Pt)	< 0.003	< 0.005	
Thallium	(Tl)	< 0.001	< 0.002	
Thorium	(Th)	0.001	< 0.002	
Uranium	(U)	0.002	< 0.060	
Nickel	(Ni)	0.57	< 0.20	
Silver	(Ag)	0.22	< 0.08	
Tin	(Sn)	0.09	< 0.30	
Titanium	(Ti)	0.21	< 0.60	
Total Toxic Representation				

ESSENTIAL AND OTHER ELEMENTS				
		RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 2.5 th 16 th 50 th 84 th 97.5 th
Calcium	(Ca)	212	200– 750	
Magnesium	(Mg)	11	25– 75	
Sodium	(Na)	49	20– 180	
Potassium	(K)	42	9– 80	
Copper	(Cu)	10	11– 30	
Zinc	(Zn)	97	130– 200	
Manganese	(Mn)	0.40	0.08– 0.50	
Chromium	(Cr)	0.52	0.40– 0.70	
Vanadium	(V)	0.013	0.018– 0.065	
Molybdenum	(Mo)	0.038	0.025– 0.060	
Boron	(B)	1.4	0.40– 3.0	
Iodine	(I)	0.55	0.25– 1.8	
Lithium	(Li)	0.006	0.007– 0.020	
Phosphorus	(P)	120	150– 220	
Selenium	(Se)	0.70	0.70– 1.2	
Strontium	(Sr)	0.22	0.30– 3.5	
Sulfur	(S)	45300	44000– 50000	
Cobalt	(Co)	0.008	0.004– 0.020	
Iron	(Fe)	35	7.0– 16	
Germanium	(Ge)	0.032	0.030– 0.040	
Rubidium	(Rb)	0.047	0.011– 0.12	
Zirconium	(Zr)	0.017	0.020– 0.44	

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 09/18/2022		Ca/Mg	19.3	4– 30
Date Received: 10/03/2022		Ca/P	1.77	0.8– 8
Date Reported: 10/05/2022		Na/K	1.17	0.5– 10
Methodology: ICP/MS		Zn/Cu	9.7	4– 20
Sample Size: 0.199 g		Zn/Cd	> 999	> 800
Sample Type: Head				
Hair Color: Blond				
Treatment:				
Shampoo: Isama Men				

1. Current Symptoms+HH:

Starting 3 years ago slowly progressing polyneuropathy of the feet, mostly toes, with partial paralysis and numbness, no paraesthesia. Since childhood difficult person (slightly antisocial). Otherwise good health.

2. Dental history: first amalgam maybe at 5, bad teeth. 1996 lot of amalgam completely removed, with cofferdam. No toxicity experienced. Cement fillings. Tooth No.14 root canal ca. 2007, dead tooth replaced now by a wholly ceramic implant. No braces. One DMPS-iv.-challenge test in 1996 without result.

Several NICOs (Neuralgia Inducing Cavitational Osteonecrosis) removed march 2022 in area of long ago drawn wisdom teeth (all). The hope that removal of the Nicos would heal the polyneuropathy was in vain.

3. Dental work: gold alloy ('V-gnathos', Au86,8/ Pt11,8/ Mn,Fe,Ta(1,5)) tooth No.36 in 1996 after amalgam removal, in place ever since 1996. Mentioned new ceramic implant tooth No.14. Multiple cement fillings. Ceramic crowns.

4. Mothers dentistry unknown, she has passed.

5. 1954 2x smallpox, **1957** 3x inj. polio. Tetanus at least 7x. **1980** Cholera and Beriglobin i.m.. **1988/9+1999** 4x Anti-B-Hepatitis.

6. Vitabay Vitamin D3 Depot 20.000 I.E.+Vit K2 200µg: 5 half tablets a week to reach around 8000 I.E./day.

Naturell Selenium organic 200µg (Spark and Mortar Sp. z.o.o.)

Feel Natural Vitamin B Komplex Vegan (Vita Naturalis GmbH)

Glucosamin 500mg Chondroitin 400mg (VELAG Pharma, D.24641 Sievershuetten)

Altapharma Vitamin-C Powder 100-200mg/d

Bittersalt, Magnesiumsulfat-Heptahydrat (Bombastus-Werke, D-01705 Freital)

Multivitamin-Multimineral: daily: (I stopped this supplement shortly before hair analysis for fear of Vitamin-A-toxicity, which is being talked about by 'nutrition-detective' Garrett Smith)

Calcium 200mg, 10mg Zinc, Mg 75mg, Fe 14mg, Phosphor 40mg, Potassium 40mg, Copper 1mg, Manganese 2mg, Iodine 150mcg, Selenium 55mcg, Chromium 20mcg, Molybdenum 25mcg, Bor 150mcg plus Multivitamins.

7. My question is: which of the values from the hair-test is relevant? the lead? too much iron (some say that copper-deficiency is the cause of that)? Do I have 'deranged mineral transport'? Do I have relevant mercury-toxicity and is it worthwhile to detox and take a host of supplements during detox. Does detoxification make sense at all with me? Dr. Amy suggested some 30 supplements. I can add the suggestions of you wish. My original intention was to clarify whether I am full of poison and whether I should take detoxification attempts on me or not, and is it lead or mercury?.

8. Dresden/Germany