



PATIENT: Number 809
 SEX: Male
 AGE: 41

Toxic & Essential Elements; Hair

TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	4.2	< 12	
Antimony (Sb)	0.039	< 0.080	
Arsenic (As)	0.041	< 0.12	
Barium (Ba)	0.82	< 1.5	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	0.16	< 2.0	
Cadmium (Cd)	0.062	< 0.065	
Lead (Pb)	1.4	< 1.5	
Mercury (Hg)	0.03	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.025	< 0.060	
Nickel (Ni)	0.41	< 0.40	
Silver (Ag)	0.02	< 0.10	
Tin (Sn)	0.08	< 0.30	
Titanium (Ti)	0.29	< 0.70	
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)	661	375- 1100			
Magnesium (Mg)	65	40- 140			
Sodium (Na)	21	60- 400			
Potassium (K)	16	28- 160			
Copper (Cu)	160	11- 32			
Zinc (Zn)	150	120- 200			
Manganese (Mn)	0.30	0.15- 0.65			
Chromium (Cr)	0.34	0.40- 0.70			
Vanadium (V)	0.024	0.018- 0.065			
Molybdenum (Mo)	0.042	0.040- 0.080			
Boron (B)	0.53	0.40- 2.5			
Iodine (I)	1.9	0.25- 1.8			
Lithium (Li)	< 0.004	0.008- 0.030			
Phosphorus (P)	176	200- 300			
Selenium (Se)	0.60	0.80- 1.3			
Strontium (Sr)	2.3	1.0- 6.0			
Sulfur (S)	49100	41000- 47000			
Cobalt (Co)	0.014	0.006- 0.035			
Iron (Fe)	9.4	7.0- 16			
Germanium (Ge)	0.031	0.030- 0.040			
Rubidium (Rb)	0.015	0.030- 0.25			
Zirconium (Zr)	0.073	0.040- 1.0			

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 05/24/2013	Sample Size: 0.2 g	Ca/Mg	10.2	4- 30
Date Received: 05/30/2013	Sample Type: Pubic	Ca/P	3.76	0.8- 8
Date Completed: 06/04/2013	Hair Color:	Na/K	1.31	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	0.938	4- 20
	Shampoo:	Zn/Cd	> 999	> 800



PATIENT: Number 809 follow-up test
 SEX: Male
 AGE: 42

Toxic & Essential Elements; Hair

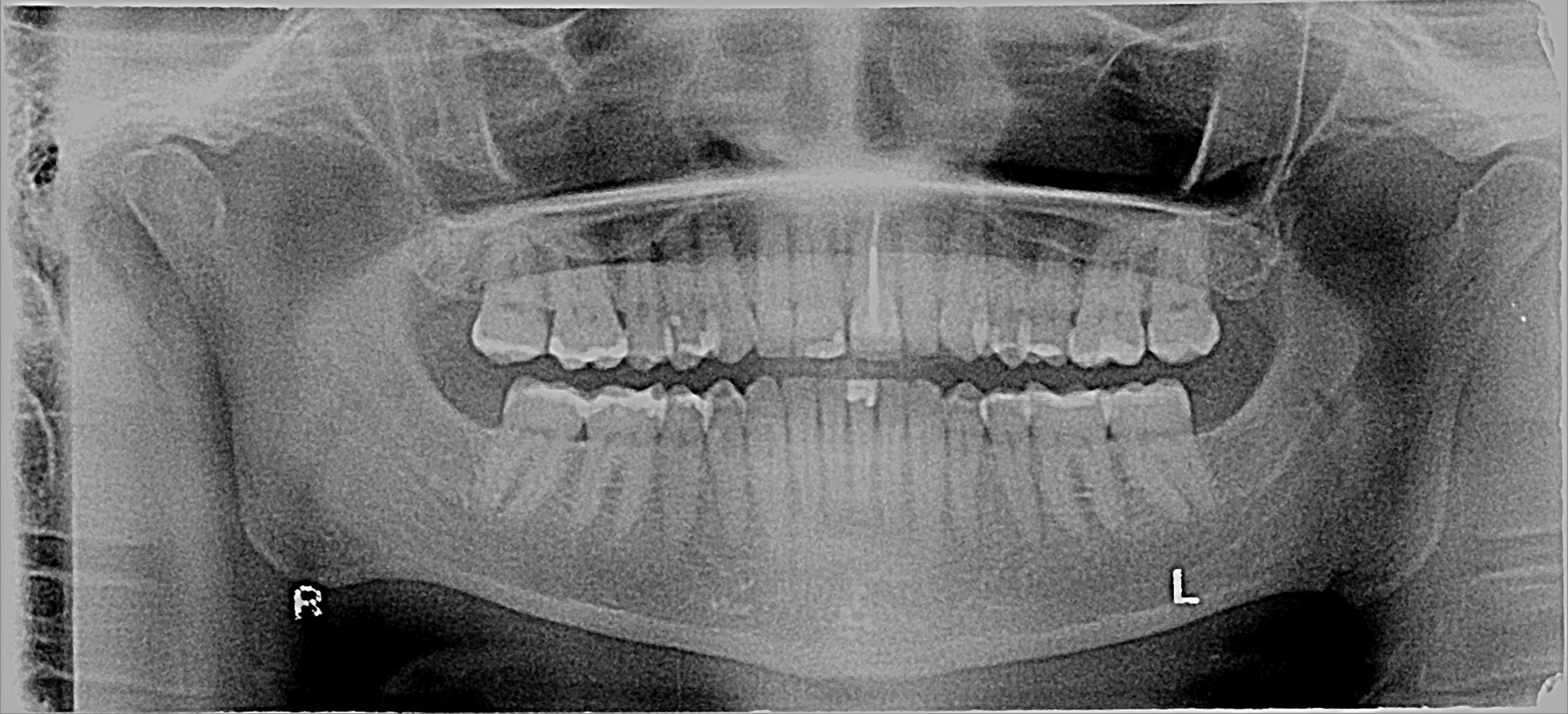
TOXIC METALS			
	RESULT µg/g	REFERENCE INTERVAL	PERCENTILE 68 th 95 th
Aluminum (Al)	4.4	< 12	
Antimony (Sb)	0.023	< 0.080	
Arsenic (As)	0.036	< 0.12	
Barium (Ba)	0.80	< 1.5	
Beryllium (Be)	< 0.01	< 0.020	
Bismuth (Bi)	1.8	< 2.0	
Cadmium (Cd)	0.025	< 0.065	
Lead (Pb)	1.3	< 1.5	
Mercury (Hg)	0.04	< 0.80	
Platinum (Pt)	< 0.003	< 0.005	
Thallium (Tl)	< 0.001	< 0.002	
Thorium (Th)	< 0.001	< 0.002	
Uranium (U)	0.025	< 0.060	
Nickel (Ni)	0.24	< 0.40	
Silver (Ag)	0.01	< 0.10	
Tin (Sn)	0.07	< 0.30	
Titanium (Ti)	0.34	< 0.70	
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)	840	375- 1100	
Magnesium (Mg)	82	40- 140	
Sodium (Na)	8	60- 400	
Potassium (K)	< 3	28- 160	
Copper (Cu)	180	11- 32	
Zinc (Zn)	380	120- 200	
Manganese (Mn)	0.14	0.15- 0.65	
Chromium (Cr)	0.30	0.40- 0.70	
Vanadium (V)	0.018	0.018- 0.065	
Molybdenum (Mo)	0.039	0.040- 0.080	
Boron (B)	0.52	0.40- 2.5	
Iodine (I)	2.0	0.25- 1.8	
Lithium (Li)	< 0.004	0.008- 0.030	
Phosphorus (P)	217	200- 300	
Selenium (Se)	0.63	0.80- 1.3	
Strontium (Sr)	2.7	1.0- 6.0	
Sulfur (S)	44000	41000- 47000	
Cobalt (Co)	0.011	0.006- 0.035	
Iron (Fe)	8.2	7.0- 16	
Germanium (Ge)	0.030	0.030- 0.040	
Rubidium (Rb)	< 0.003	0.030- 0.25	
Zirconium (Zr)	0.054	0.040- 1.0	

SPECIMEN DATA		RATIOS		
COMMENTS:		ELEMENTS	RATIOS	RANGE
Date Collected: 01/01/2014	Sample Size: 0.201 g	Ca/Mg	10.2	4- 30
Date Received: 01/13/2014	Sample Type: Pubic	Ca/P	3.87	0.8- 8
Date Completed: 01/17/2014	Hair Color:	Na/K	2.67	0.5- 10
Methodology: ICP/MS	Treatment:	Zn/Cu	2.11	4- 20
	Shampoo:	Zn/Cd	> 999	> 800

Health history for hair test 809

1. What are your current symptoms and health history? **Brainfog, memory loss/ cognitive and social issues**
2. Dental history (Wisdom teeth removed and when? Any other extractions. First root canal placed? Braces? First amalgam etc...) **Wisdom teeth not removed, root canal done around 21, first amalgams around 8**
3. What dental work do you currently have in place? What part of the dental clean-up have you completed? **Crown on front tooth, all composite fillings to replace amalgams from 21 years of age until 38 years of age as fillings "leaked"**
4. What dentistry did your mother have at any time before or during pregnancy? **Amalgam fillings**
5. What vaccinations have you had and when (including flu and especially travel shots)? **As per Ontario government 1971-1987**
6. Supplements and medications (including dosages) taken at time of hair test, or for the 3-6 months before the sample was taken? **Vitamin c (4 g daily) Magnesium citrate (450 g daily) milk thistle, brazil nuts (2-3 daily for selenium) ALA/DMSA/ DMPS as per FDC protocol**
7. What is your age, height and weight? **41 years, 175 lbs**
8. Other information you feel may be relevant? **I work in the metal trades, exposed to various metals through work**
9. What is your location – city & country (so that we can learn where certain toxins are more prevalent). **Stoney Creek, Ontario**



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