InterClinical Laboratories Pty Limited ABN 89 076 386 475 PO Box 6474, Alexandria NSW 2015 Australia Ph:02 9693 2888 Fax: 02 9693 1888 Email lab@interclinical.com.au LABORATORY NO .: 1165982 PROFILE NO .: SAMPLE TYPE: PUBIC 1 F FAST 3 PATIENT: AGE: 68 SEX: METABOLIC TYPE: REQUESTED BY: ACCOUNT NO .: DATE: 16/10/2013

NUTRITIONAL ELEMENTS							TOXIC ELEMENTS																	
HIGH	- 172 -	- 20.0	- 68	- 46	- 6.9	-32	-29	-2.7	250	-0.14	-0.33	- 1.80	005	013	- 7126	025	0595 ·	070	0035	- 0.63	049	- 1.05	- 6.3	
	- 135	- 15.5	- 52	- 35	- 5.4	-27	- 25	-2.2	190	-0.11	-0.26	- 1.36	004	011	- 6231	021	0510 ·	060	0030	- 0.54	042	- 0.90	- 5.4	
•	- 97 -	- 11.0	- 36 -	- 24	-3.9	-21	- 20	- 1.6	130	- 0.08	-0.18	- 0.91	003	008	- 5336	018	0425 -	050	0025	- 0.45	035	-0.75	-4.5	
E RANGE																014	0340	040	0020	- 0.36	028	- 0.60	-3.6	HIGH
REFERENCE RANGE																011	0255	030	0015	- 0.27	021	- 0.45	- 2.7	
- Tow	-22 -	-2.0	- 4	-2	-0.9		- 11	- 0.5	010	- 0.02	- 0.03				- 3546 - 2651	007	0170	020	0010	- 0.18	014	- 0.30		REFERENCE
	Ca	Mg	Na	K	Cu	Zn	Р	Fe	Mn	Cr	Se	В	Со	Мо	S	Sb	U	As		Hg	Cd	Pb	AI	
	Calcium	Magnesium	Sodium	Potassium	Copper	Zinc	Phosphorus	Iron	Manganese	Chromium	Selenium	Boron	Cobalt	Molybdeum	Sulfur	Antimony	Uranium	Arsenic	Beryllium	Mercury	Cadmium	Lead	Aluminum	
	118	15.5	57	30	1.1	11	53	0.8	.023	0.05	0.05	0.13	.002	.004	3725	N/A	.0005	.006	.0010	0.05	.003	0.10	0.5	

ADDITIONAL ELEMENTS

																"<<": Below Cal	ibration Limit; Value Given Is Calibration Limit
HGH	.014 -	- 0.39	059	0285	009	15	003	0090	020	- 0.74	045	30	017	- 0.14		"QNS": Samp	ole Size Was Inadequate For Analysis.
																"N	/A": Currently Not Available
	.011 -	- 0.26	039	0190	006	10	002	0060	014	- 0.50	030	20	011	- 0.09		Hair Samples (nd Interpretation Have Been Based On Dbtained From The Mid-Parietal To The cipital Region Of The Scalp.
REFERENCE RANGE	.006	- 0.00	000	0000	001	00	000	0000	002	- 0.03	000	00	000	- 0.00		Elements	tory Analysis Provided by Trace Inc., an H. H. S. Licensed Clinical oratory. No. 45 D0481787
LOW	.000	- 0.00	000	0000	001	00	000	0000	002	- 0.03	000	00	000				
	Ge	Ва	Bi	Rb	Li	Ni	Pt	TI	V	Sr	Sn	Ti	W	Zr			
G	Germanium	Barium	Bismuth	Rubidium	Lithium	Nickel	Platinum	Thallium	Vanadium	Strontium	Tin	Titanium	Tungsten	Zirconium			
	.004	0.06	.017	.0428	.001	.02	.001	.0005	.007	0.42	.010	.25	.001	0.01		16/1 CURRENT	10/2013 TEST RESULTS
L																PREVIOUS	TEST RESULTS

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	SIGNIF	ICANT					
HIGH	- 4.60	- 4.40	- 8.20	- 16.00	- 8.00	- 15.00	- 2.30
•	- 3.60	- 3.40	- 6.20	- 12.00	- 6.00	- 11.00	- 1.60
LOW ACCEPTABLE	- 2.60 - 1.60	- 2.40 - 1.40	- 4.20 - 2.20	- 8.00 - 4.00	- 4.00 - 2.00	- 7.00 - 3.00	– .90 – .20
	Ca/P	Na/K	Ca/K	Zn/Cu	Na/Mg	Ca/Mg	Fe/Cu
	2.23	1.90	3.93	10.00	3.68	7.61	.73

TOXIC RATIOS

щ	- 168.0	- 8.8	- 44.0	- 1.6	- 1000.0	- 400.0	- 56900	- 142251	- 11380
ACCEPTABLE	- 126.0	- 6.6	- 33.0	- 1.2	- 750.0	- 300.0	- 42675	- 106688	- 8535
•	- 84.0	- 4.4	- 22.0	- 0.8	- 500.0	- 200.0	- 28450	- 71126	- 5690
LOW	- 42.0	- 2.2	- 11.0	- 0.4	- 250.0	- 100.0	- 14225	- 35563	- 2845
	Ca/Pb	Fe/Pb	Fe/Hg	Se/Hg	Zn/Cd	Zn/Hg	S/Hg	S/Cd	S/Pb
	1180.0	8.0	16.0	1.0	3666.7	220.0	74500	1241667	37250

ADDITIONAL RATIOS

	Current	Previous					
Ca/Sr	280.95		131/1				
Cr/V	7.14		13/1				
Cu/Mo	275.00		625/1				
Fe/Co	400.00		440/1				
K/Co	15000.00		2000/1				
K/Li	30000.00		2500/1				
Mg/B	119.23		40/1				
S/Cu	3386.36		1138/1				
Se/TI	100.00		37/1				
Se/Sn	5.00		0.67/1				
Zn/Sn	1100.00		167/1				

LEVELS

All mineral levels are reported in milligrams percent (milligrams per one-hundred grams of hair). One milligram percent (mg%) is equal to ten parts per million (ppm).

NUTRITIONAL ELEMENTS

Extensively studied, the nutrient elements have been well defined and are considered essential for many biological functions in the human body. They play key roles in such metabolic processes as muscular activity, endocrine function, reproduction, skeletal integrity and overall development.

TOXIC ELEMENTS

The toxic elements or "heavy metals" are well-known for their interference upon normal biochemical function. They are commonly found in the environment and therefore are present to some degree, in all biological systems. However, these metals clearly pose a concern for toxicity when accumulation occurs to excess.

ADDITIONAL ELEMENTS

These elements are considered as possibly essential by the human body. Additional studies are being conducted to better define their requirements and amounts needed.

RATIOS

A calculated comparison of two elements to each other is called a ratio. To calculate a ratio value, the first mineral level is divided by the second mineral level.

EXAMPLE: A sodium (Na) test level of 24 mg% divided by a potassium (K) level of 10 mg% equals a Na/K ratio of 2.4 to 1.

SIGNIFICANT RATIOS

If the synergistic relationship (or ratio) between certain minerals in the body is disturbed, studies show that normal biological functions and metabolic activity can be adversely affected. Even at extremely low concentrations, the synergistic and/or antagonistic relationships between minerals still exist, which can indirectly affect metabolism.

TOXIC RATIOS

It is important to note that individuals with elevated toxic levels may not always exhibit clinical symptoms associated with those particular toxic minerals. However, research has shown that toxic minerals can also produce an antagonistic effect on various essential minerals eventually leading to disturbances in their metabolic utilization.

ADDITIONAL RATIOS

These ratios are being reported solely for the purpose of gathering research data. This information will then be used to help the attending health-care professional in evaluating their impact upon health.

REFERENCE RANGES

Generally, reference ranges should be considered as guidelines for comparison with the reported test values. These reference ranges have been statistically established from studying an international population of "healthy" individuals.

Important Note: The reference ranges should not be considered as absolute limits for determining deficiency, toxicity or acceptance.

Health history for hair test 881

1. Common symptoms : Itchy Prickly Rash feels like a cross between Prickly Heat and Sunburn, Skin is hot to touch. I became itchy and hot and back came the rash it seems to travel to various parts of the body at different times more noticeable on the chest neck and top of my arms. Sometimes more liek prickles on my skin than an itch, at other times a stinging sensation. A hot shower will bring out the rash. Skin very sensitive, seams and tags on clothes annoy me now when they never used to. Dermatologist thinks it might be autoimmune, but not sure. No biopsy done. Rash comes and goes, subsided lately; thsi might be the loratidine and Deptran but it has doen this before and came back again. Skin very dry, using moisturiser (QV lotion).

2. Health History: Normally Healthy, 4 Children normal births. Hysterectomy at 42 had excessive monthly bleeds from Cysts

Laminectomy at 45, injuried my back playing sport. Injured my Shoulder in February lifting my aged Mum after her fall.

Blood Pressure Normal have a history of Oesto Arthritis and Heart Problems in the family so far I am OK

3. Dental History Have had 6 Crowns on front top teeth over many years Last two years have had trouble with one older Crown

kept detaching itself when it could not be repaired had it replaced in June with a small plate with one tooth on Attached accounts

Missing 4 teeth 2 top, 2 bottom at back. 4 amalgams; one gold tooth. Don't know what the posts under the crows are made from.

4. I have regular 6month check up with our dentist attached some accounts may tell you something.

5. My Mum has had False Teeth since she was twenty said they were CHALKY

6. Medication

Was on Lipitor 40mg changed to the Generic brand last year Recenty had my chloresterol done is now gone to 6

I have been give a prescription for the original Lipitor by my Dr to start again when we return.

We were thinking it could have been some additive in the Generic brand that started the rash.

I went off it in May. Rash started about end of April

Deptran 10 mg take at night for itch and at times Loratadine Tab 10mg 1 per day Have been using Sandrena gel 0.1% for many years, went off that as well in April

7. Age 69, 168cm height, 78kg