

HTMA Viral Biomarkers

Presented by
InterClinical HTMA Mentoring



DISCLAIMER:

All information provided in this presentation is aimed specifically for health practitioners. This content is not intended and should not be construed as medical advice or a substitute for care by a qualified medical professional. If you or any other person has a health or medical concern, he or she should consult with an appropriately qualified health practitioner.



Key Nutrients

Anti-viral nutrients that are needed when there is a dominant Cellular Immune Response include Magnesium, phosphorus, zinc, molybdenum, selenium and Vitamin C, Vitamin A, B1, B3, E and Beta-carotene.

Nutrients that further stimulate the Cellular Immune response would be contra indicated; calcium, copper, Vitamin D.



Key Viral Biomarkers

1. Para Sympathetic mineral patterns, ie a elevated Ca/ P relationship
(High Tissue Calcium)
2. Elevated Ca/K ratio (Thyroid Function),
3. Low Na/Mg (Adrenal)
4. Elevated Ca/Mg & low Zn/Cu (Predisposition)
5. Heavy Metal burden

Also Note: Metabolic Sub-Type indicating level stress can be a contributing factor



COVID Related Symptoms

1. Low Zn
 - Affects taste/smell
 - Hair Loss
 - Increased susceptibility to viral infection
2. High Ca
 - Sedative mineral (fatigue)
 - Sleep Disturbances
3. Low Mn & Cr
 - Sugar Dysregulation
4. Low Mg
 - Sleep Disturbances
5. Low Mo
 - Allows Cu to opportunistically increase therefore affects Zn
6. Stress – Metabolic Subtype & Na/K
 - Pathogenic, Environmental, etc

LABORATORY NO.:

PROFILE NO.: 2

SAMPLE TYPE: SCALP

PATIENT:

AGE: 50

SEX: F

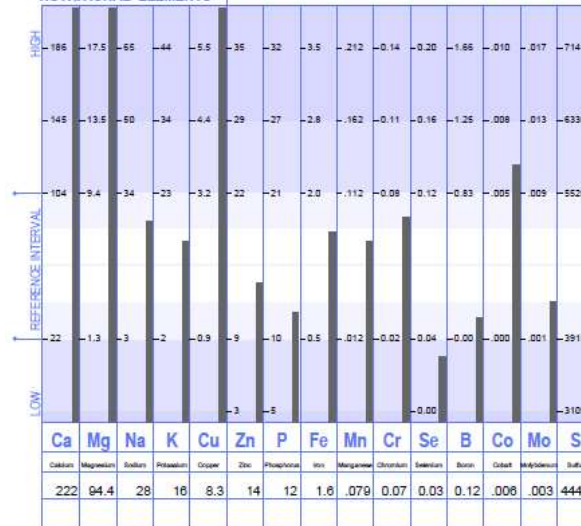
METABOLIC TYPE: SLOW 1

REQUESTED BY:

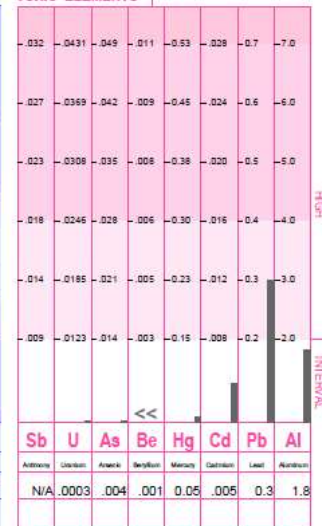
ACCOUNT NO.: 2216

DATE: 01/03/2022

NUTRITIONAL ELEMENTS



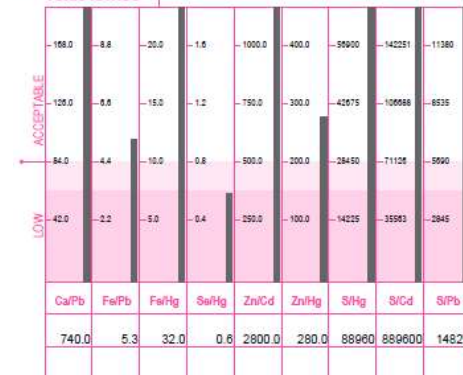
TOXIC ELEMENTS



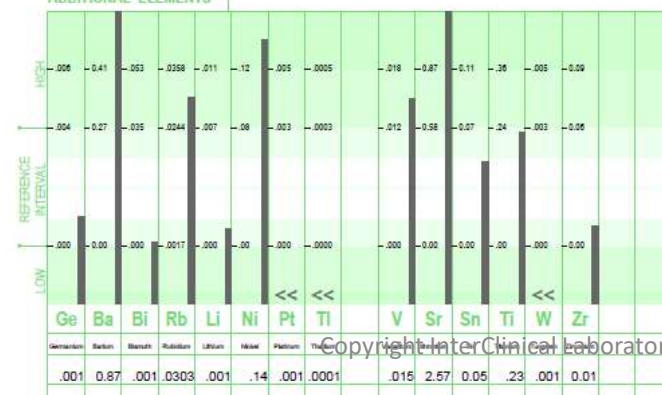
SIGNIFICANT RATIOS



TOXIC RATIOS



ADDITIONAL ELEMENTS



*N/A: Below Calibration Limit Value Given Is Calibration Limit
*OND: Sample Size Was Inadequate For Analysis
*N/A: Currently Not Available
Ideal Levels And Interpretation Have Been Based On Hair Samples Obtained From The Mid-Posterior To The Occipital Region Of The Scalp.
Laboratory Analysis Provided by Trace Elements, Inc. Dallas, Texas USA an N/A-S Licensed Clinical Laboratory, No. 45 D0481787

ADDITIONAL RATIOS

RATIO	CALCULATED VALUE		EXPECTED
	Current	Previous	
Ca/Sr	86.38		263/1
Cr/V	4.67		8/1
Cu/Mo	2766.67		356/1
Fe/Co	266.67		615/1
K/Co	2666.67		6350/1
K/Li	16000.00		6350/1
Mg/B	786.67		21/1
S/Cu	535.00		2668/1
Se/Ti	300.00		370/1
Se/Sn	.60		3.2/1
Zn/Sn	280.00		624/1

7/07/2022

Copyright InterClinical Laboratories 2022

01/03/2022
CURRENT TEST RESULTS

Trace Elements, Inc. 1998, 2017
Ph: 214 343 8888 Fax: 214 343 8889

LABORATORY NO.:

PROFILE NO.:

SAMPLE TYPE: SCALP

PATIENT:

AGE: 40

SEX: F

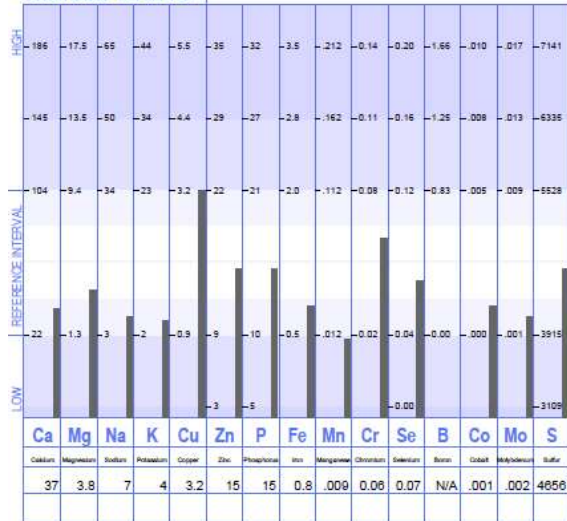
METABOLIC TYPE: FAST 4

REQUESTED BY:

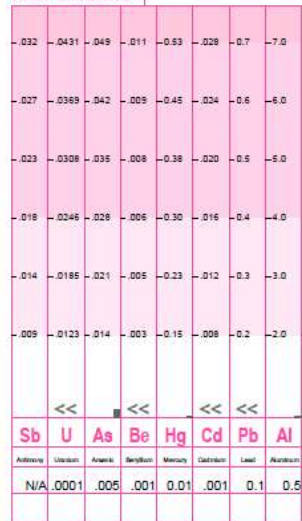
ACCOUNT NO.: 2216

DATE: 01/09/2021

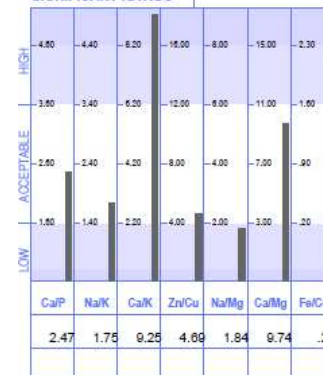
NUTRITIONAL ELEMENTS



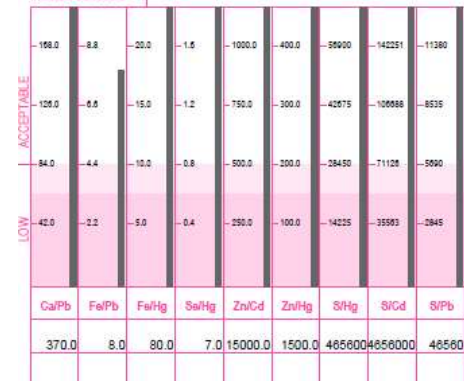
TOXIC ELEMENTS



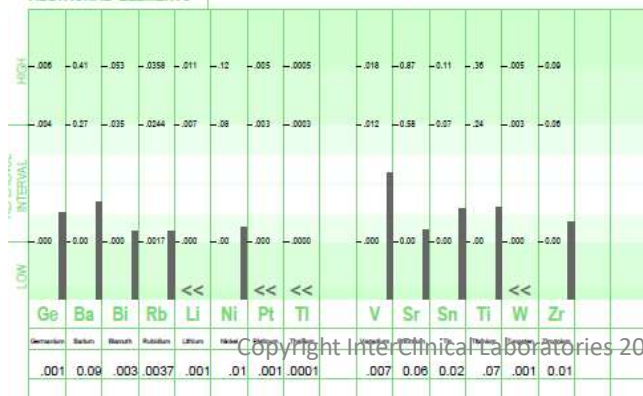
SIGNIFICANT RATIOS



TOXIC RATIOS



ADDITIONAL ELEMENTS



*"<" Below Calibration Limit; Value Given to Calibration Limit
*">" Sample Size Was Inadequate For Analysis.
*N/A": Currently Not Available
Ideal Levels And Interpretation Have Been Based On Hair Samples Obtained From The Mid-Parietal To The Occipital Region Of The Scalp.
Laboratory Analysis Provided by Trace Elements, Inc. Dallas, Texas USA an H.L.S. Licensed Clinical Laboratory. No. 45 D0481787

Trace Elements, Inc. 1998-2017
InterClinical Laboratories Pty Limited

ADDITIONAL RATIOS

RATIO	CALCULATED VALUE		EXPECTED
	Current	Previous	
Ca/Sr	616.67		263/1
Cr/V	8.57		8/1
Cu/Mo	1600.00		356/1
Fe/Co	800.00		615/1
K/Co	4000.00		6350/1
K/Li	4000.00		6350/1
Mg/B	N/A		21/1
Si/Cu	1455.00		2668/1
Se/Ti	700.00		370/1
Se/Sn	3.50		3.2/1
Zn/Sn	750.00		624/1

7/07/2022

Copyright InterClinical Laboratories 2022

01/09/2021
CURRENT TEST RESULTS

For more information on HTMA
or the InterClinical Mentoring Program...

interclinical.com.au

