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TEST PATIENT

GUa d'Y'HYgh'BUa Y
 Sex : :
 DUHy Collected : 00-00-0000
 111 H9GH'ROAD TEST SUBURB
@AB =8: 0000000 UR#:0000000

TEST PHYSICIAN

DR JOHN DOE
 111 CLINIC STF 99H
 7@B=7'GI 6I F 6'J =7'' \$\$\$

BIOCHEMISTRY

BLOOD - SERUM

25 OH VITAMIN D

Vitamin D Comment

Result **67** Range 50 - 250 Units nmol/L



The Working Group of the Australian and New Zealand Bone and Mineral Society, Endocrine Society of Australia and Osteoporosis Australia have recommended that the Vitamin D level should be greater than 50 nmol/L.

BLOOD - PLASMA

HOMOCYSTEINE

Result **8.0** Range 6.0 - 15.0 Units umol/L



INTEGRATIVE MEDICINE

BLOOD - SERUM

Free Copper Index

COPPER

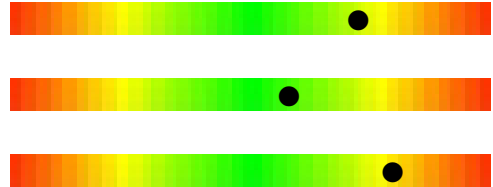
Copper ug/dl

CAERULOPLASMIN

CPLS-bound Cu

% Free Copper

Result **20.6** Range 11.0 - 22.0 Units umol/L
 Result **131.2** Range 11.0 - 22.0 Units ug/dL
 Result **0.33** Range 0.18 - 0.40 Units g/L
 Result **100**
 Result **24** Range 5 - 25 Units %



Integrative Medicine Comments

Plasma Copper Reference Ranges (Additional):
 Female on Contraceptives: 20.8 - 34.8 umol/L
ELEVATED Cu/Zn RATIO:

The ratio of copper to zinc is clinically more important than the individual levels of each analyte.

Elevated copper/zinc ratios can be particularly serious for persons with low blood histamine (over methylation). This combination of imbalances has been associated with anxiety, panic disorders, paranoia and hallucinations.

LOW CAERULOPLASMIN LEVEL:

Low Caeruloplasmin levels are associated with conditions such as Autism, Alzheimer's disease, Parkinson's disease

Treatment Considerations:

Assess copper status and treat accordingly. Investigate and treat oxidative stress (e.g. CoQ10, acai berry, glutathione)

BLOOD - Li HEPA

HISTAMINE

Histamine Comment

Result **45.0** Range 28.0 - 51.0 Units ug/L
 Histamine level is within range.



BLOOD - NA HEP

ZINC

Copper/Zinc Ratio

Result **18.2** Range 9.0 - 19.0 Units umol/L
 Result **1.13 *H** Range 0.80 - 1.00 RATIO



Tests ordered: HIAM,ZN,HOMO,IMPEI,VITD,CFee,Cu/Zn,FCuInd

(*) Result outside normal reference range (H) Result is above upper limit of reference rang