



ZIANNA MULLINS
10-Oct-1989 **Female**

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LAB ID : 3993465
UR NO. : 6262046
Collection Date : 05-Jun-2024
Received Date: 11-Jun-2024



3993465

INTEGRATIVE MEDICINE

BLOOD - SERUM	Result	Range	Units	
COPPER	14.6	13.0 - 22.0	umol/L	
CAERULOPLASMIN	0.22	0.16 - 0.45	g/L	
% Free Copper	28 *H	5 - 25	%	

Integrative Medicine Comments

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.

ELEVATED FREE COPPER:
Consider chelation therapy, Vit C, Zinc, Molybdenum, Glutamine, Histidine and threonine.

Optimal free Copper of 5–25% is recommended by Dr B Walsh.
Retesting Zinc and Copper levels after 3 months of treatment is recommended.

Signs of Cu overload include hyperactivity, skin sensitivity to metals. Skin tags, estrogen dominance, emotional meltdowns, tinnitus, abnormal periods.

BLOOD - NA HEP				
ZINC	9.9	9.0 - 19.0	umol/L	
Copper/Zinc Ratio	1.47 *H	0.80 - 1.00	RATIO	

Tests ordered: CPLS,CU,ZN,IMPEI,CFee,Cu/Zn,%FrCU,GOG161

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