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The relationship between nonceruloplasmin-bound Cu and serum Cu levels in inpatients

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Abstract:

Serum nonceruloplasmin - bound Cu was calculated as the formula : serum Cu - serum ceruloplasmin \times 2.89, when one molecule of ceruloplasmin (CEP) was combined with 6 atoms of Cu. In this study 55 inpatients (25men, 30 women) with hospital diets, 49 (24, 25) with conventional liquid foods of enteral feeding, 22 (9, 13) with Cu - rich "L-6PM plus" in order to substitute for conventional liquid foods and the other inpatients were recruited, who were aged 50 to 100 years. There were found significantly positive correlations ($r=0.981$, $n=245$) between serum Cu and CEP levels, and ($r=0.956$, $n=245$) between serum Cu and nonceruloplasmin - bound Cu in almost elderly inpatients, who were suffered from dysphagia due to cerebrovascular accidents.

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