

Metabolism/Expert

Serum metabolic concentrations can be used to directly interpret biological processes and show connections to complex diseases such as Alzheimer's disease, cardiovascular diseases and metabolic disorders. Study results show significant differences between the metabolism of men and women. For example, Mittelstrass et al. (2011) investigated 131 metabolic parameters in the serum of over 3300 subjects. In the comparison of 101 metabolites (primarily lipids and amino acids) there were significant differences between the sexes. Sex-specific therapy for metabolic diseases may therefore be necessary. ^[1]

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Literature

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1. Mittelstrass K, Ried JS, Yu Z, Krumsiek J, Gieger C, Prehn C et al. Discovery of Sexual Dimorphisms in Metabolic and Genetic Biomarkers. PLoS Genet 2011; 7(8):e1002215.

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