

## **Albumin binding canters characteristics in office employees**

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It is accepted that the dynamics of plasma albumin play a prime role in immune characteristics of humans. With original fluorescent probe ABM examined: albumin spectral characteristics in blood plasma; total (TA) and "effective" (EA) albumin concentration in blood plasma. The office employees (n=12) were examined twice (on Monday and Thursday). The blood TA concentration of albumin in all examinations was in norm (48 - 49 g/l). Group 1 (n=6): with EA (36 - 43 g/l), EA/TA (0.76-0.81) in norm and Group 2 (n=6): with reduced indices: EA (22 - 24 g/l), EA/TA (0.46 - 0.50). Probe ABM showed the actual status of albumin binding centres, their binding capacity depending to a different "wave" of fatty acid concentration (different stress and subsequent enrichment of plasma with esterified long-chain fatty acids). Despite a nonspecific nature of changes in albumin conformation gives sufficient information for the assessment of organism condition.

Reference.

Kalnina I, Kirilova E and Bruvere R. Fluorescent biomarker ABM. Lambert Academic Publishing GmbH&Co, Sarbrucken, Germany, 2013. | [Website](#)