

# NEW OPPORTUNITIES OF HAEMORRHOLOGICAL DISTURBANCES CORRECTION USING PENTOXYPHILLINE MEDICATIONS IN COPD PATIENTS

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## *Summary*

Based on comparative analysis of pentoxophylline medications (Latren, Trental) influence on rheological properties of blood in 25 COPD patients, we revealed not only improvement of blood rheology and perfusion, but an improvement of oxygenation as well. These effects were associated with the presence of ringer lactate ring in latren formula, the shift of acid-base balance in the alkaline side and direct influence on blood cells aggregation.

Administration of studied medications improved microcirculation in COPD patients after first infusion. Influence of latren is aimed on active microcirculation regulatory mechanisms with dominating influence on endothelium. Endothelium-protective effect, which was mediated through an elevation of capillary flow, reached (to the contrast from trental) noticeable level on 6-7th day after the start of the therapy.