

INDICES OF BLOOD PRESSURE IN PATIENTS WITH COMBINATION OF SLEEP APNEA-HYPOPNEA SYNDROME AND COPD

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Summary

The objective of the study was to reveal the peculiarities of clinical and functional manifestations of arterial hypertension in patients with overlap syndrome (combination of sleep apnea-hypopnea syndrome and COPD) - OS. We examined 54 patients with OS (group 1) and 10 healthy volunteers (group 2). In all patients we conducted an office measurement of blood pressure (BP), 24-hour BP monitoring ("ABMP 04", Meditech), overnight polysomnography with pulse oximetry ("SleepLab", Erich Jager), bodyplethysmography ("MasterLab", Erich Jager) and administered Epworth Sleep Scale questionnaire. Mean age of patients was $52,89 \pm 1,37$ years. Mean FEV1 was $66,39 \pm 3,15$ % predicted. Mean 24-hour systolic BP was $131,71 \pm 2,35$ and $112,99 \pm 2,26$ mmHg, mean 24-hour diastolic BP was $77,78 \pm 1,45$ and $67,36 \pm 2,44$ mmHg, mean 24-hour heart rate was $78,36 \pm 1,27$ and $70,32 \pm 1,27$ beats per minute in groups 1 and 2, respectively. Mean 24-hour systolic and diastolic blood pressure was significantly higher in group 1 than in group 2 ($p = 0,024$ and $0,029$, respectively). Thus in patients with OS, BP indices were significantly higher than in healthy subjects from the control group.