

Abstract

Extensive body of scientific research already exists on the prognostic implication of interleukin 8 (IL8) and vascular endothelial growth factor (VEGF) in bronchoalveolar lavage (BAL) and serum of ALI/ARDS patients, we have measured IL8 and VEGF in serum and BAL fluid of twenty ventilated ARDS patients and correlated these values to clinical outcome, we have found that IL8 absolute figures didn't differ significantly between survivors and non-survivors [117.8 ± 42.54 Vs 108 ± 69.8 in BAL at day one and 87 ± 56.17 Vs 79.2 ± 29.6 in BAL at day four ,respectively], also we have found that there was a significant increase in VEGF levels in BAL in survivors if compared with non-survivors with percentage of change from the baseline [$175 \pm 106.8\%$ vs $5.1 \pm 3.8\%$, respectively] and we have concluded that absolute figures of BAL IL8 have no relation to outcome and BAL VEGF levels increase significantly in survivors.

Key words: ARDS, BAL, IL8, VEGF.