

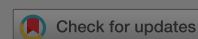
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PCOS: PAB and Inflammatory Cytokines

Evaluation of pro-oxidant-antioxidant balance (PAB) and its association with inflammatory cytokines in polycystic ovary syndrome (PCOS)

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Abstract

Chronic low-grade inflammation has been suggested as a key contributor of the pathogenesis and development of polycystic ovary syndrome (PCOS). To investigate the association between inflammatory cytokines and PAB in PCOS, we measured IL-10, IL-6, TNF- α , and TNF- β in follicular fluid of 20 PCOS women and 20 healthy women. The results showed that the concentration of IL-10, IL-6, and TNF- α was significantly higher in PCOS compared to controls, while the concentration of TNF- β was significantly lower. The PAB was significantly higher in PCOS compared to controls. The results suggest that chronic low-grade inflammation is associated with PCOS and may contribute to the pathogenesis and development of the syndrome.

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Chinese abstract

Keywords: Oxidative stress inflammation inflammatory cytokines follicular fluid PCOS

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