"Involvement of the nuclear factor-kappaB (NF-êB) pathway in peritoneal endometriosis"

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ABSTRACT

Endometriosis is a gynecological disease in which endometrial glands and stroma are present outside the uterus. Pelvic pain, infertility and decreased quality of life are the main problems caused by this disease carrying epidemiological and social impact. Peritoneal endometriosis which is characterized by the presence of red, black and white pelvic endometriotic lesions is clearly a multifactorial pathology associated with a local inflammatory response in the pelvic cavity. In vitro studies suggest that the transcription factor nuclear factor-kappaB (NF-êB) is implicated in the transduction of proinflammatory signals in endometriosis. The aim of this study was to investigate the involvement and role of the NF-êB pathway in endometriosis in vivo. Firstly, NF-êB activation and intercellular adhesion molecule (ICAM)-1 expression were investigated in thirty-six peritoneal endometriotic lesions from women. Constitutive NF-êB activation, involving p65- and p50-containing dimers, was d...

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Quantification of endometriotic lesions in a murine model by fluorimetric and morphometric analyses

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