

Prognostic immunological and echographic criteria for purulent-septic complications after cesarean section

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Funding information

Self-funded

Conflict of interest

None declared by author

ABSTRACT

Generalized forms of postpartum infectious diseases occupy one of the leading ranks in the structure of maternal mortality. According to literature, peritonitis and sepsis after cesarean sections account for 36.4% of maternal mortality. There is convincing evidence that the gestational and postpartum periods are accompanied by certain changes in the immunity of women, and complications of a purulent-inflammatory nature often occur due to secondary immunodeficiency. At the same time, until now, changes in the immunological reactivity of the female body in pregnant women have been considered mainly from the standpoint of their drug correction, and not from the standpoint of prospective prediction of possible complications in the postpartum and postoperative periods. Despite the large number of works devoted to the prevention and treatment of purulent-septic complications after Caesarean section, satisfactory results are not always observed. That is why the most promising direction seems to be preclinical prediction of purulent-septic obstetric complications, allowing for their timely and targeted prevention. The aim of the study is to establish criteria for predisposition to the development of postoperative purulent complications in women who gave birth by cesarean section, based on the results of an assessment of the functional state of the immune system. We tried to study the nature and structure of the most common purulent-septic complications after cesarean section, the features of the uterus after childbirth and evaluate their informativeness for predicting the development of purulent-septic complications. Additionally, we assessed the immune status and features of the structural and metabolic parameters of peripheral blood lymphocytes in women who gave birth by cesarean section without purulent-septic complications in the postoperative and the immune mechanisms that contribute to the development of postoperative purulent-septic complications of cesarean section.

Keywords: *Cesarean section, Complications, Prognostic criteria*

Citation:

Margarid F. Anzhela, Vosgi G. Jirair, Emma M. Grace. Prognostic immunological and echographic criteria for purulent-septic complications after cesarean section. *AJMS* 2025; 11 (2): 52-60

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