

## Search for the Causes of the Development of Reproductive System Disorders

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### Abstract

**Introduction:** The continuous development of assisted reproductive technologies (ART) has led to the fact that now all forms of male and female infertility have been overcome, however, the effectiveness of using ART methods remains limited and is considered to be approximately 30%. Why is this so?

**Purpose:** Determine the possible role of genetic, immunological causes, disorders of intra-ovarian steroid- and folliculogenesis, leading to the formation of an oocyte defect, mitochondrial dysfunction, which, in turn, can contribute to the disruption of early embryogenesis.

**Materials and methods:** The review of world literature was conducted in the databases Scopus, Web of Science, MedLine, Cochrane CENTRAL, Cochrane Database of Systematic Reviews (CDSR), Database of Abstracts of Reviews of Effectiveness (DARE), EMBASE, Global Health, CyberLeninka, RSCI for a comprehensive study of the contribution of various factors to the development of reproductive system disorders.

**Results:** The findings are promising, but further research is needed to study the etiopathogenesis of reproductive system disorders in order to optimize the algorithm of diagnosis and treatment. Particular attention is paid to the most demonstrative clinical model of reproductive system disorders – infertility of unknown origin when the reproductive system appears anatomically and functionally normal, but conception does not occur.

**Conclusion:** We present the algorithm that is currently relevant from a clinical point of view for the diagnosis and treatment of patients with infertility of unknown origin.

### Biography

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### Publications

Medical Journal. 2021; 10: e0210. Doi: 10.15275/rusomj.2021.0210

Am J Case Rep. 2020; 21: e927462. Doi: 10.12659/AJCR.927462

Russian Journal. 2019; 6(4): 203-208. (In Russian).

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