

عنوان مقاله:

Application of stem cells in male and female fertility

محل انتشار:

چهارمین کنفرانس بین المللی زنان، زایمان، ناباروری و بهداشت روانی (سال: 1400)

تعداد صفحات اصل مقاله: 7

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خلاصه مقاله:

field and target; In the male and female reproductive systems today, different parts of stem cells have been identified that are part of adult stem cells, many of which have the ability to differentiate and regenerate or regenerate tissue. Uses of stem cells, both embryonic and adult, in the production of germ cells and their application in embryonic production. The aim of this study was to use stem cells in maintaining male and female fertility. Methods: Information about this review study, the use of stem cells in male and female fertility was searched from databases such as SID, Magiran, PubMed, Google Scholar, Scopus Iranmedx. Data analysis was performed qualitatively. Found; The role of stem cells is defined as the body's germ storage and the role of progenitor cells is defined as the production of cell lines, and in fact, progenitor cells are primarily responsible for the final differentiation. Zerm stem cells in adult mammalian ovaries (GSCS) are a population of germ cells with the ability to self-regenerate as a source of gametogenesis. Spermatogonia stem cells are necessary for the onset and continuation of spermatogenesis. Spermatogonia stem cells, with their ability to regenerate and differentiate into daughter cells, play an important role in the generation and transmission of genetic material to it. Conclusion: While there are technical and ethical challenges in the use of stem cells in human samples that need more reflection, GsCs isolation and culture protocols should be .optimized in the future

کلمات کلیدی:

Stem cells, Fertility, Men and Women

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