

| Rank | Clinical Questions |
|------|---|
| 1 | What is the diagnostic criteria for ovarian reserve insufficiency (indicators: age, antral follicle count, follicle stimulation hormone, anti-müllerian hormone, etc.)? |
| 2 | Comparing with age, is a combination of age and other ovarian reserve indicators more beneficial for choosing the appropriate ovarian stimulation regimen for aged women and their assisted reproductive technology (ART) outcomes? |
| 3 | Is it necessary/possible to make individualized ovarian stimulation regimens or ART plans for aged women with different ovarian reserve? |
| 4 | How to define “aged women” in ART? Is it necessary to further stratify these women by age? |
| 5 | How long is needed for aged women with unprotected sexual intercourse to be eligible for ART? |
| 6 | What is a comprehensive evaluation for aged women before ART procedures? Is it necessary to screen for certain internal and gynecological diseases which may influence the pregnancy outcomes for these women? |
| 7 | Should aged women with twin pregnancy after ART receive embryo/fetal reduction? If yes, what is the appropriate timing of performing this procedure? |
| 8 | For aged women with myoma or adenomyosis, which management is preferred- to perform egg retrieval and in-vitro fertilization (IVF) before the surgical/medical treatment, or to perform surgery/medical treatment prior to IVF? |
| 9 | What is the optimal time interval between triggering and oocyte retrieval in various ovarian stimulation regimens (e.g <36h, 36h, >36h)? |
| 10 | Is blastocyst culturing in favor of aged women’s ART outcomes? |
| 11 | Is preimplantation genetic screening (PGS) in favor of aged women’s ART outcomes? |
| 12 | Is it still necessary to perform the serial infertility evaluation and management, e.g. oocyte monitoring, hysterosalpingography (HSG), etc., for aged women before performing ART? |
| 13 | Is the supplementation of luteinizing hormone (LH) in favor of the aged women’s ART outcomes? |
| 14 | Which one is preferred for aged women, (elective) single embryo transfer or double/triple embryos transfer? |
| 15 | Should there be any difference regarding the luteal support protocol for aged women, compared to young women? |
| 16 | For aged women receiving intrauterine insemination (IUI), which one is recommended, natural cycle or ovulation induction cycle? |
| 17 | Can medications aiming at improving ovarian function, e.g. dehydroepiandrosterone (DHEA), co-enzyme Q10, growth hormone, Chinese traditional medicine, etc., improve the aged women’s ART outcomes? |
| 18 | Which fertilization method is preferred for aged women, IVF or intracytoplasmic sperm injection (ICSI)? |
| 19 | What is the recommended pretreatment for frozen-thawed embryo transfer in aged women (e.g. natural vs. hormone replacement protocol, the evaluation of embryo receptivity, the application of certain medications)? |