

Ovulation induction Oral agents Injectable hormones	Clomiphene citrate (selective estrogen response modulator) Letrozole (aromatase inhibitor) FSH, LH (gonadotropins)
Intrauterine insemination (IUI)	Office-based procedure by which washed and concentrated ejaculated sperm is deposited in the uterine cavity via a soft catheter passed through the cervix
In vitro fertilization (IVF)	Oocytes are harvested transvaginally under local anesthesia or intravenous sedation and incubated with sperm to facilitate fertilization. The fertilized embryos are cultured for 3 days (cleavage stage) or 5 days (blastocyst stage) prior to transcervical placement of one or more embryos, depending on the age of the female patient, into the uterine cavity under ultrasound guidance.
Intracytoplasmic sperm injection (ICSI)	In cases of severe male factor infertility, a single motile sperm is injected into the oocyte in order to facilitate fertilization.

Abbreviations: FSH, follicle-stimulating hormone; LH, luteinizing hormone.

Tubal Factor Infertility Tubal factor infertility constitutes 30–35% of cases of female infertility, and a large majority are secondary to tubal obstruction resulting from STIs. In vitro fertilization (IVF) was first developed as a treatment for tubal factor infertility as it bypasses the fallopian tubes and allows fertilization of oocytes in the laboratory prior to transfer into the uterus. IVF offers the highest success rates for couples with tubal factor infertility. Tubal repair or reconstruction is not recommended in most cases associated with underlying tubal infections or hydrosalpinx due to both the low success rate in achieving tubal patency and increased risk of ectopic pregnancy. In fact, removal of hydrosalpinges by salpingectomy will improve pregnancy rates in subsequent IVF treatments. If a proximal tubal blockage is observed on HSG, radiographically guided cannulation of fallopian tubes can be attempted. In women with bilateral tubal ligation, the decision between microsurgical reanastomosis versus IVF will depend on a number of factors including patient's age,