

IVF ICSI Treatment

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When attempting to conceive a child, infertility issues are not always something that couples consider. However, around 10 to 15 percent of couples in the United States face infertility issues. Among these issues is poor quality egg production by the female and sperm abnormalities with males. IVF ICSI procedures can be used for couples facing these issues to increase their chance of pregnancy. Intracytoplasmic sperm injection or ICSI is often considered the single most fundamental breakthrough in the field of reproductive medicine.

While IVF ICSI procedures are widely used, there is not a standard of care set up in the field of medicine to determine which cases should receive ICSI and which should not. There are some fertility clinics that choose to use this procedure only when the male involved has severe male infertility issues, while other clinics choose to use it for several different fertility issues. The majority of clinics that handle IVF or in vitro fertilization procedures lie in the middle ground of when to use this procedure. The success rate for ICSI varies depending on the individual situation, the technique used and the skill of the person performing the particular procedure.

While fertility clinics vary, some recommend IVF ICSI procedures for specific situations. Some of the situations are when couples are faced with male infertility that is severe and are not looking to use a sperm donor and for couples who have used IVF and have had no luck with fertilization or a low percentage of their mature eggs were fertilized. It is also used when couples have had IVF in the past and have produced very few eggs during the retrieval process. When ICSI is used in this instance, it is to attempt to produce a higher amount of eggs that will become fertilized. The success rate for in vitro fertilization methods that include intracytoplasmic sperm injection have shown, in several studies, to be higher than that of IVF used alone. The normal reason for this is that most times the women involved were young and considered fertile.

The success rate also differs with IVF ICSI, depending on why the procedure is being used. In cases of low egg counts in women, the success rate is normally lower. This is simply because the viability and quality of the embryos produced is dependent on the quality of the eggs produced. When a couple is faced with infertility problems such as these, intracytoplasmic sperm injection coupled with in vitro fertilization may make it possible for them to conceive a child. At times, in cases of severe sperm abnormalities, a sperm donor may be used to fertilize the sperm. With the help of ICSI, it is sometimes possible to forego this procedure.