

Dr. Liam T. Hickey MD P.C. INC

Urology

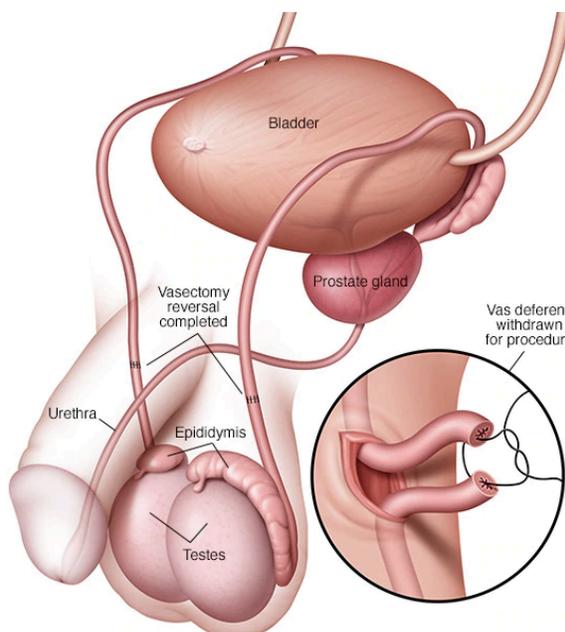
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Vasectomy reversal

Vasectomy reversal is the most cost-effective treatment of male factor infertility caused by vasectomy. The other options include *In vitro* Fertilization (IVF), donor insemination, and adoption. Vasectomy reversal is performed under a general anesthetic, using a microscope, and takes approximately 2 hours. Essentially the ends of the vas deferens (tubes that carry sperm from the testicles) that were divided at the time of the vasectomy are sewn back together.



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go to <https://www.mayoclinic.org/tests-procedures/vasectomy-reversal/about/pac-20384537> for more excellent information on this topic.

Cost

The cost is determined by the fees for anesthesia, hospital services, and surgery. It is approximately \$5000, payable up front, once date for surgery is confirmed. This amount is subject to change.

Success

The most obvious definition of success is a pregnancy that results in a baby but there are many factors that influence pregnancy and live birth (see table below for an example). Success of the vasectomy reversal is defined as the presence of significant numbers of sperm in ejaculate after the vasectomy reversal. For most patients there is a 80-90% that there will be sperm in the ejaculate.

| <i>Female partner age (years)</i> | <i>Patency (%)</i> | <i>Pregnancy (%)</i> |
|-----------------------------------|--------------------|----------------------|
| 20–24 | 90 | 67 |
| 25–29 | 89 | 52 |
| 30–34 | 90 | 57 |
| 35–39 | 86 | 54 |
| >40 | 83 | 14 |

Data obtained from reference³¹

Rinaudo P, Strauss JF, III Endocrine function of the postmenopausal ovary. Endocrinol Metab Clin North Am. 2004

Positive predictors of success:

These factors increase the probability that the vasectomy reversal will result in pregnancy:

1. Young maternal age and history of pregnancy;
2. Male conceived children prior to vasectomy;
3. Favourable physical exam findings post-vasectomy;
4. No exposure to medication/drugs that impair fertility (anabolic steroids, THC); and
5. Time since vasectomy <7 years

If you would like to proceed with an evaluation for a vasectomy reversal please contact the office by one of the methods indicated above.