



MICROSURGICAL TESTICULAR SPERM EXTRACTION (MICRO-TESE)

Microdissection TESE is a procedure performed for men who have both a sperm production problem and are azoospermic. Microdissection TESE is performed in the operating room with general anesthesia under the operating microscope. Micro TESE is carefully coordinated with the female partner's egg retrieval, and is typically performed the day before egg retrieval. This allows for each partner to be there for the other's procedure. Patients frequently have donor sperm backup in the case that sperm are not found in the male partner. Micro TESE has significantly improved sperm retrieval rates in azoospermic men, and is a safer procedure since less testicular tissue is removed. Patients often cryopreserve sperm collected during this procedure for future IVF/ICSI. Microdissection procedure is relatively safer than the conventional testis biopsy and improves the sperm retrieval rate significantly in patients with nonobstructive azoospermia

Microdissection TESE involves wide incision of tunica albuginea to allow extensive visualization of

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testicular tubules.

