

## **Testicular Puncture**

### **Indication**

In this method, sperm is extracted directly from testes tissue when sperm can not be found in the ejaculate (Azoospermia). If necessary, the testicular puncture will be performed as a part of ICSI treatment.

If there is no sperm in the ejaculate, it is possible to extract viable sperm using the MESA or TESE methods. Since only a small quantity of sperm can be extracted in either method, these procedures are performed exclusively in conjunction with ICSI.

## **MESA - TESE**

### **MESA - MICROSURGICAL EPIDYDIMAL SPERM ASPIRATION**

Sperm is micro-surgically extracted from the epididymis using a fine needle. The amount of extracted sperm is usually minimal, leading to a second possibility of extracting tissue directly from the testes (see TESE).

### **TESE - TESTICULAR SPERM EXTRACTION**

Tissue is removed directly from the testes by a percutaneous testes puncture or by open testes biopsy (testes will be excised). Small tissue samples are taken and microscopically analyzed to determine if the tissue contains viable sperm.