

## **Y IUI Catheter** (*Nady E. Nady, RSJMW 05-13*) Medical Device

### **Background**

Artificial insemination is an increasingly common procedure used to augment human and animal reproductive success. Millions of procedures are performed annually throughout the world. Failures, due to low count, immotile sperm, small sample size or other causes, lead to repetitive procedures and increased medical/veterinary expense; often resulting in a change to more expensive and intrusive procedures like IVF. This invention has the potential to improve the outcome of artificial insemination procedures by delivering sperm directly to the fallopian tube ostia, while minimizing contamination.

### **Description of the Technology**

The device consists of a Y-shaped 3 fr catheter with memory v-shaped end made of clear polyethylene together with a cervical introducer. Prior to inserting the catheter into the uterus, the arm of the catheter will be pulled through the introducer closing the v-shaped part (like an IUD insertion mechanism). To use the device, the introducer, which has a cervical sealing stopper, is advanced through the cervical canal. The canula will be advanced through the introducer, releasing the v-shaped arms so that sperm will have greater access to the fallopian tube ostia.

### **Advantages**

This device has the potential to minimize contamination and deliver the sperm in greater proximity to the fallopian tube ostia compared with conventional approaches.

### **Applications**

Intrauterine insemination.

### **Patent Status**

Disclosure

### **Contact Information**

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