Overview of Fellowship Program

- **Program Name:** Male Fertility Fellowship
- **Program inception date:** 1989
- **Institution:** Cleveland Clinic, Cleveland, Ohio
- **Andrology Fellowship Director:** Edmund Sabanegh, Jr. MD
- **Summary of the Program:** Clinical program: We see approximately over 1000 new patients yearly with infertility, sexual dysfunction, penile abnormalities, pain syndromes and hypogonadism in our dedicated center. Our clinical team includes 3 urologists and 5 reproductive endocrinologists (REI). We collaborate closely with the REI, pain management service, andrology laboratory medicine, and medical genetics. We perform over 250 microsurgical and sperm retrieval procedures yearly (vasectomy reversals, Micro-TESE, varicocelectomies, cord denervations, epididymectomies). We also perform over 70 prosthetic procedures annually.
- **Fellowship Faculty:**
  - Edmund Sabanegh, Jr., MD
  - Daniel Shoskes, MD
  - D. Karl Montague, MD
  - Jeff Goldberg, MD
  - Ashok Agarwal, PhD
  - Rakesh Sharma, PhD
  - Milt Lakin, MD
- **Number of Positions per Year:** 1-2
- **Duration of Fellowship:**
  - 1 year fellowship: 80% clinical/20% research
  - 2 year fellowship: first year 100% research, 2nd year 80% clinical/20% research.
- **Who to contact regarding the program:**
  Debbie Denos, Fellowship Coordinator
  **Contact e-mail:** denosd@ccf.org
  **Contact phone number:** 216 445-4096
  **Fax:** 216 636-4493
  **Website:** [http://www.clevelandclinic.org/reproductiveresearchcenter/info/traininfo1.html#maleinf](http://www.clevelandclinic.org/reproductiveresearchcenter/info/traininfo1.html#maleinf)
The Fellowship in Male Infertility is a minimum of one-year program that focuses on the development of clinical excellence in all aspects of male fertility management and basic science techniques in Andrology. Clinical Fellows are expected to spend the majority of their time in the clinic and the operating room evaluating and managing patients with infertility and other men’s health problems.

In addition, they will have opportunities to conduct clinical and basic science research in the Andrology Research Laboratory. During this time, they will complete a comprehensive microsurgery course given in the Department of Plastic Surgery. Fellows will attend the annual meetings of the American Society of Andrology and the American Society of Reproductive Medicine.

Ultimately, the goals of this Fellowship are to provide a physician with the expertise needed to investigate and treat all aspects of male infertility and men’s health, to have a current understanding of the state of the art, and to be able to critically appraise the research and literature related to this subspecialty within urologic surgery.

The Cleveland Clinic is one of the first institutions in the United States to offer a clinical fellowship in Male Infertility and Men’s Health. We have been training clinical and research fellows in this program for 25 years. More than 60% of our graduates have gone on to academic positions.

**Description of Program:**
This is a specialized clinical and research program dedicated to male reproductive medicine. During the course of the fellowship, fellows will have weekly exposure to male fertility, scrotal and pelvic pain syndromes, hypogonadism, and erectile dysfunction.

**Fellowship Summary**
The clinical fellows have 80% clinical and 20% research time. They will work daily with fellowship staff. On average, they will attend 2-3 clinic days/wk and 1-2 OR days/week.

There are regular academic rounds as well as a month fertility journal club.

These are high volume surgical and clinical practices, with many of the patients having highly complex conditions often being referred for tertiary or quaternary care.

It is expected that the fellows develop expertise in the medical management of men with Male infertility, Sexual dysfunction, Scrotal Pain and Testosterone Deficiency Syndromes. Including endocrine, antibiotic, anti-inflammatory, complimentary medical therapies uses, indications and expected outcomes.

It is also expected that fellows become experts in genetic testing and counseling, Imaging use and interpretation, Sperm testing and interpretation, Hormonal evaluation, Infection screening, Environmental, nutritional, and medical causes of male infertility.
It is also expected that the fellows develop expertise in the surgical treatment of andrological problems (microsurgical reconstruction and correction of reproductive tract alterations, surgical retrieval of sperm, resection of prostatic duct cysts, surgery on the penis for penile prosthesis, deformity, surgery for undescended testis, surgery for scrotal pain syndromes).

**Program Weighting:**
Male Infertility/Sexual function/Andrology/Pain syndromes: 65%, 15%, 10%, 10%

**Education Program:**

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<thead>
<tr>
<th>Type of Experience</th>
<th>Weekly Structured</th>
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<tbody>
<tr>
<td>Surgery</td>
<td>2-3 days/week</td>
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<tr>
<td>Andrology/Men’s Health Clinics</td>
<td>1-2 days/wk</td>
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