Overview of Fellowship Program

- **Program Name:** Men’s Health/Andrology Fellowship at The Smith Institute for Urology

- **Program inception date:** July 2011

- **Institution:** Hofstra North Shore LIJ School of Medicine, Smith Institute For Urology

- **Fellowship Director:**
  Bruce R. Gilbert MD PhD
  Professor of Urology, Hofstra North Shore LIJ School of Medicine
  Director of Reproductive and Sexual Medicine, The Smith Institute for Urology

- **Summary of the Program:**
The Men’s Health/Andrology Fellowship is a unique opportunity for the urologist to gain expertise in several areas of men’s health with particular emphasis on male reproductive medicine and surgery, sexual medicine, genital pain syndromes, testosterone deficiency, urinary prosthetics and male reconstructive surgery.

- **Fellowship Faculty:**
  Farzeen Firoozi MD
  Assistant Professor of Urology
  Director of the Center for Pelvic Health and Reconstructive Surgery
  Justin Han MD
  Assistant Professor of Urology
  Director of Male Reconstructive Surgery
  Manish Vira MD
  Assistant Professor of Urology
  Director of the Urologic Oncology Fellowship and Basic Science Research Program

- **Number of Positions per Year:** 1

- **Duration of Fellowship:** 1 year

- **Accreditation:**
  Graduate Medical Education, Hofstra North Shore LIJ School of Medicine

- **Who to contact regarding the program:** Bruce R. Gilbert MD PhD

- **Contact e-mail:** bgilber@nshs.edu
- **Contact phone number:** 516-487-2700
- **Fax:** 516-487-2007
- **Contact Website:** http://www.smithinstituteforurology.com/team_programs.html
Overview of the Fellowship Program:
It is the mission of the Men’s Health/Andrology Fellowship to provide the Fellow with a comprehensive postgraduate training in the core disciplines of reproductive and sexual medicine and surgery, urinary prosthetics and reconstructive surgery as well as hypogonadism and complex disorders of the hypothalamic-pituitary-gonadal axis. The faculty feels that the combination of these specialized areas provides the Fellow with the comprehensive clinical and surgical knowledge to handle the most complex problems. The one year Fellowship is based at The Smith Institute for Urology of the North Shore-LIJ Health System and will use many resources of the Health System to provide a comprehensive educational experience. The Fellow’s time will be divided as follows: 70% Clinical, 15% Clinical laboratory and 15% Research. The Clinical work will be centered at the Smith Institute for Urology out patient office and both the LIJ and North Shore Hospitals. The Clinical Andrology lab work will be centered at NY Cryo, a New York State Licensed Andrology Laboratory and Reproductive Tissue Bank.

Our Fellowship program provides an opportunity for the Fellow to concentrate in areas that he or she is most interested in yet structured to assure that the Fellow obtains expertise in the core disciplines. In addition, the Fellow will obtain advanced training in ultrasound evaluation and andrology laboratory techniques. The fellow will also be involved in clinical and/or basic science research activities during the training period. He or she will work closely with the Program Director and Faculty to design and implement research projects, with the expectation those projects will culminate in presentations at national meetings and publications in peer-reviewed journals.

Description of Program:
Discussion of specific activities:
1. Faculty Clinic (2 ½ days/week): During clinic time the Fellow and Program Director (or other Faculty) see patients together. Also, during these clinic times, he Fellow gains Hands-On training in Urologic Ultrasound studies and procedures, such as vasectomies, biopsies and penile plaque injections.
2. Resident Clinic (1/2 day/month): A Resident clinic where the Fellow is the Preceptor who reviews Andrology cases that the Residents present to him/her.
3. Fellows Clinic (1/2 day/week): The Fellow sees patients independently with the Program Director and/or other program faculty on-site should questions or escalation be required.
4. Surgery (1 ½ day/week): The Program Director/faculty perform surgical procedures with the Fellow. The participation of the Fellow being a function of the Fellows experience and capabilities. However, if the Fellow applies for and is granted independent operating privileges, cases of a general urologic nature (ie cases not related to reproductive or sexual medicine), the Fellow is the Attending.
5. Research, Didactic lectures, Training and Conferences:
   a. Monday afternoon: This is a one-on-one with Fellow, Program Director and/or other Program Faculty, held one half day a week, in which literature specific to
Andrology is reviewed (eg Campbell-Walsh Urology, Current literature, Best Practice Statements and Clinical Protocols) ongoing research projects are reviewed, lectures on specific topics specific for Andrology are given and/or training on unique skills such as microsurgery, semen analysis and sperm banking occurs.

b. Tuesday Morning Conference – Didactic lectures by faculty. This takes place every Tuesday from 7 to 8:45 AM.

c. Thursday Morning Grand Rounds – Morbidity & Mortality (M&M), Pediatric Urology Case Conference, Genitourinary (GU) Tumor Board, Adult Urology Case Conference. This takes place every Thursday from 7 to 8:30 AM at the Smith Institute for Urology.

d. Journal Club –
   i. General Urology Journal Club - This usually takes place on the last Thursday of each month at a different venue each month
   ii. Andrology Journal Club – This takes place once every 3 months as an online format and is organized by the Fellow.

Fellowship Clinical Summary
The Men’s Health/Andrology Faculty Office Experience:
Approximately 5,000 patient visits/year with approximately 1,250 of these being new patient appointments. The Fellow’s Potential Surgical Experience/Year is as follows:

REPRODUCTIVE MEDICINE:
Microsurgical (VV, VE, Varicocele, Spermatocele, microTESE, Spermatic cord denervation): 100
Vasectomy: 50
Hands-On Ultrasound Examinations (scrotal, renal, TRUS): 600
Andrology Laboratory: (Semen Analyses, Tissue Banking): 500

SEXUAL MEDICINE:
Penile Implants: 25
Hands-On Ultrasound Evaluation (w/penile Injection): 250
Peyronies (surgical, injectable): 60

MALE INCONTINENCE:
Surgical Procedures (Slings, AUS): 40
Minimally Invasive Procedures (Bulking Agents, Botox, Interstim): 50
Urodynamic procedures: 225

RECONSTRUCTIVE PROCEDURES: Urethroplasties: 30
Andrology Program

Program Weighting:
Male Infertility/Sexual Function/Urinary Prosthetics/Reconstructive: 40%, 40%, 10%, 10%

Education Program:

<table>
<thead>
<tr>
<th>Type Of Experience</th>
<th>Weekly Structured</th>
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<tbody>
<tr>
<td>Faculty Clinic</td>
<td>2 1/2 days each week</td>
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<tr>
<td>Resident Clinic</td>
<td>1/2 day each month</td>
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<tr>
<td>Fellows Clinic</td>
<td>1/2 day each week</td>
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<tr>
<td>Surgery</td>
<td>1 1/2 day each week</td>
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<tr>
<td>Research, Didactic, Training</td>
<td>1/2 day each week</td>
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<tr>
<td>Conference</td>
<td>3 hours/week</td>
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Unique qualities:
1. A comprehensive Men’s Health/Andrology training program including male infertility, erectile and ejaculatory dysfunction, hypogonadism and complex disorders of the hypothalamic-pituitary-gonadal axis. Operative training in microsurgery, male prosthetics surgery and reconstructive surgery prepares our Fellow to handle varied future clinical situations and the experience needed to innovate. The Fellow can also elect to spend time in learning advanced urinary incontinence evaluation to complement their surgical training by spending time in both the clinic and the urodynamic’s lab while gaining experience in genitourinary reconstructive surgery.
2. Advanced training in microsurgery with both laboratory and operating room components. Our state-of-the-art operating microscope provides HD video monitoring and recording allowing for rapid feedback and review of technique as well as video production for teaching and publication.
3. Our Fellowship is accredited through the Hofstra North Shore LIJ School of Medicine. Accreditation, which we feel, provides validation of your training through recognition and oversight by the Graduate Medical Education Council of the Hofstra North Shore LIJ School of Medicine.
4. Hands-On training in Urologic Ultrasound including penile, scrotal, prostate, perineal and renal which we feel is essential for evaluation and intraoperative guidance. The Fellow will either be performing or be involved with approximately 1,000 ultrasound studies/year as well as being active in teaching these skills to our Residents and other Faculty. Our graduating Fellows can not only ‘Do’ but ‘Teach’ ultrasound evaluation.
5. Hands-On training in Andrology Laboratory techniques including semen analysis and cryopreservation we feel is essential. Our laboratory has both manual and automated systems and is both a licensed and registered referral laboratory and reproductive Tissue bank providing our Fellows with not only the skills to direct an Andrology Laboratory but gain an in depth understanding of the regulatory aspects of Laboratory supervision.