



Accreditation Period: 2022-2025

Newton Wellesely Hospital (Mass General
Brigham-NWH)
NEWTON, MASSACHUSETTS



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TWO YEAR PROGRAM

Mass General Brigham - Newton-Wellesley Hospital Fellowship in Minimally Invasive Gynecologic Surgery

Two Year Program

General Information

The Mass General Brigham – Newton Wellesley Hospital (MGB-NWH) fellowship program in Minimally Invasive Gynecologic Surgery (MIGS) is a 2-year fellowship, established in 2004. The fellowship is based primarily at NWH, where the fellow will participate in clinical, educational, and research activities related to advanced hysteroscopic, laparoscopic and robotic-assisted surgery. The fellow will also spend a few days a month operating at Massachusetts General Hospital (MGH).

The fellows will interact with PGY-3 residents from the Massachusetts General Hospital and Brigham and Women's Hospital Combined Ob/Gyn Residency Program, as well as medical students and PA students. The fellows will have responsibility for teaching in the office, simulation labs and in the operating room. The fellows have an academic appointment at Harvard Medical School.

The fellows play an active role in research activities, including collaboration with our MIT research group (see below).

Overall, the goal of the fellowship is to cultivate leaders in MIGS: surgeons with expertise in advanced gynecologic surgery and interest in innovation, research and education.

First Year

For the first 7 weeks of the fellowship, the first-year fellow participates in the Program in Clinical Effectiveness (PCE), a joint program of Mass General Brigham, Harvard Medical School & Harvard School of Public Health. The PCE is an intensive 15-credit summer program, which contains courses in Clinical Epidemiology and Biostatistics, as well as two electives.

Once completing the PCE, the first-year fellow will operate 3+ days a week at NWH: 3 days a week performing MIGS (advanced laparoscopy, robotics, hysteroscopy), 2 days a month with Gyn performing robotic oncology cases. The fellow will see patients in an office procedure-based clinic (diagnostic and operative office hysteroscopy, new patients, pre and post op visits) one day a week. Additionally, the first-year fellow will have at least one protected research day per week.

Second Year

The second-year fellow will operate 3-4 days a week: 3 days a week at NWH doing MIGS cases (advanced laparoscopy, robotics, hysteroscopy), 2 days a month with MIGS at MGH. Additionally, the second-year fellow operates with NWH OB/GYN generalists who request the second-year fellow for their surgical assistant. The fellow will see patients in an office procedure-based clinic one day a week. The fellow will have at least one protected research day per week.

The second-year fellow will also rotate one month at Brigham & Women’s Hospital as part of a “Fellow swap” with the Brigham FMIGS fellow. There are also opportunities to rotate with the Colorectal Service and Outpatient Pain Team.

Example Schedule:

	Monday	Tuesday	Wednesday	Thursday	Friday
1 st Year	OR MIGS	Clinic NWH	Research	OR MIGS	OR GYN ONC or Research
2 nd Year	Research	OR MIGS	OR MIGS	OR MIGS or Research	OR MIGS

Robotics

NWH has 2 DaVinci Xi robots and MIGS plays a vital role in its robust robotics program. NWH has a fantastic PA robotics program. The fellows learn about robot setup and trouble shooting from the PA and have the opportunity to sit at the console, with PA’s as bedside assists for all cases. The fellows will have the opportunity to participate in the fellows’ robotic training pathway which includes online didactics, simulation and an in-person skills lab through Intuitive (if they have not done so as a resident). Fellows actively participate in OR cases utilizing the robotic teaching console with both MIGS and GynOnc. We have a multidisciplinary endometriosis robotics team including MIGS, Colorectal, Urology and Thoracic Surgery. There are opportunities for research projects in robotics as well.

Research

Clinical research opportunities are plentiful. The fellows will be actively involved in the Center for Gynepathology Research, a collaboration between NWH and Massachusetts Institute of Technology (MIT). This group focuses on endometriosis and adenomyosis research but is also active in other areas of gynecology research and innovating new technologies. The fellows can participate in on-going clinical research within the department and are encouraged and supported to initiate their own research project as well. NWH also has connections through Mass General Brigham to perform clinical research of all kinds. There are opportunities to participate in industry-sponsored device and medication trials as well.

Case Volume

The fellows have excellent case volumes in complex laparoscopy and robotics, and operative hysteroscopy, both in office and in the OR. The fellows get broad surgical experiences with hysterectomy, myomectomy, adnexal surgery, advanced endometriosis, uterine anomalies, and oncology. There is also a unique focus on operative hysteroscopy, both in the office and OR. The graduating fellows have always far exceeded the case number requirements.

Didactics/Teaching

The fellows lead and participate in monthly FMIGS meetings: journal club (1x/month); MIGS M&M (1x/month); research and fellowship review (1x/month). Additionally, the fellows, residents and medical students participate in regular didactics (3-4 x/month) to cover the material on the FMIGS National Education Curriculum. There is a monthly, very engaging multi-disciplinary Endometriosis Conference with MIGS, Radiology and Colorectal.