



Sawsan As-Sanie, MD, MPH
 Courtney Lim, MD
 University of Michigan
 Ann Arbor, Michigan

2-Year Program	
Optional Degrees: <input type="checkbox"/> MPH <input type="checkbox"/> MBA <input type="checkbox"/> MS <input type="checkbox"/> Other: <input checked="" type="checkbox"/> None	
Number of Faculty:	
GYN Faculty: 12	UROGYN Faculty: 6
REI Faculty: 8	ONCOLOGY Faculty: 6
GU Faculty:	General Surgery Faculty:
Colorectal Faculty:	Other:
Residency Program Affiliation: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Computer Simulation Center: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Training Labs:	
<input checked="" type="checkbox"/> Cadaver lab	<input type="checkbox"/> Robotics <input type="checkbox"/> None
<input checked="" type="checkbox"/> Dry Lab	<input type="checkbox"/> Animal Lab
Office Surgery: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Contract/Agreement Letter: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Yearly Salary: <input checked="" type="checkbox"/> Yes (\$68,289) <input type="checkbox"/> No	
Resident Teaching <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Benefit Package: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
OB obligation: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, please describe obligation. Required OB call 1-2 nights per month, additional salary stipend for each call.
Junior Faculty <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Attending Privileges <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Moonlighting: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Non-compete clause: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Malpractice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Meeting support: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Malpractice tail coverage: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Other coverage obligations- specify:
Accept J1 & H1Visa applicants <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Dedicated Research Hours: Hours/per week: 8 Hours/per Month: 32	
Protected Academic: Hours/per week: 8 Hours/per Month: 32	
Clinical Focus/Special Interest:	
<input type="checkbox"/> Reproductive Surgery	<input type="checkbox"/> Oncology
<input checked="" type="checkbox"/> Endometriosis/Pelvic Pain	<input checked="" type="checkbox"/> Pelvic Reconstruction
<input checked="" type="checkbox"/> Robotic Surgery	<input type="checkbox"/> Pediatric/Adolescent
<input type="checkbox"/> Hysteroscopic Surgery	<input type="checkbox"/> Other:



UNIVERSITY OF MICHIGAN ANN ARBOR, MICHIGAN

Accreditation Period: 2017 – 2021

MIGS FACULTY



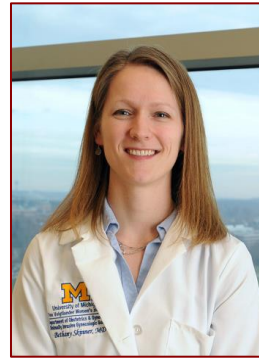
SAWSAN AS-SANIE, MD, MPH

Associate Professor
Program Director



COURTNEY LIM, MD

Clinical Assistant Professor
Associate Program Director



BETHANY SKINNER, MD

Clinical Assistant Professor
MIGS Faculty



SARA TILL, MD, MPH

Clinical Lecturer
MIGS Faculty

2-YEAR PROGRAM

DESCRIPTION

The comprehensive goal of the University of Michigan Minimally Invasive Surgery fellowship program is to train academic fellows who are outstanding clinicians, teachers, and research contributors. The clinical educational objective of the two year training program is to provide fellows with the necessary knowledge, skills and experience to independently manage complex gynecologic patients that may benefit from advanced endoscopic procedures. Specific educational goals for each fellow include development of the following:

1. Sufficient understanding, experience, and proficiency to perform advanced endoscopic, hysteroscopic, abdominal and vaginal surgery for complex, benign gynecologic conditions. These conditions include uterine fibroids, advanced endometriosis, benign ovarian neoplasms, ovarian remnants, and chronic pelvic pain.
2. To evaluate and appropriately select the appropriate medical and/or surgical treatment plan for women presenting with complex, benign gynecologic conditions such as abnormal uterine bleeding, symptomatic uterine fibroids, chronic pelvic pain, and/or endometriosis.

In addition, each fellow will be provided resources and experience to develop academic skills. Specific objectives for the teaching and research curriculum include the following:

1. Ability to use appropriate methods and educational aids to teach medical students, residents, and allied health care professionals in clinical or classroom environments.
2. Sufficient understanding and proficiency to complete clinical and/or health-services research projects, in addition to development of collaborative skills with others that foster ongoing research activities.
3. Ability to write scientific articles, and grant applications and to contribute in an academic setting.

Faculty

The MIGS clinical division and fellowship training program is under the direction of Sawsan (Suzie) As-Sanie, MD, who joined the faculty at the University of Michigan in August 2005. Dr. As-Sanie is an Associate Professor and assumed the role of Fellowship Director in July 2009. She is also the director of the Chronic Pelvic Pain Program and the University of Michigan Endometriosis Center. Dr. As-Sanie received her medical degree from the Johns Hopkins School of Medicine in 1998 and completed her residency in obstetrics and gynecology at MetroHealth Medical Center and the Cleveland Clinic Foundation in 2002. Following residency, she completed a three year clinical and research fellowship in Advanced Laparoscopy and Chronic Pelvic Pain at the University of North Carolina, under the mentorship of Dr. John Steege. During this time, she also received her MPH in epidemiology. In addition to her busy clinical practice in minimally invasive gynecology, endometriosis and chronic pelvic pain, Dr. As-Sanie maintains an active clinical research program. Her research interests are aimed at defining the underlying neurobiological mechanism of chronic pelvic pain disorders, with a focus on endometriosis-associated pelvic pain.

Dr. Bethany Skinner joined the University of Michigan faculty as a Clinical Assistant Professor in the Division of Minimally Invasive Surgery in August 2011. She received her medical degree from Case Western Reserve University and completed her residency in obstetrics and gynecology at the University of Colorado in 2009. Following residency, Dr. Skinner completed her two year fellowship in Minimally Invasive Surgery at Indiana University under the mentorship of Dr. Gregory Raff. Dr. Skinner brings numerous strengths to the program, including a strong interest in vaginal surgery and surgical education.

Dr. Courtney Lim joined the University of Michigan Minimally Invasive faculty in July of 2014. Dr. Lim received her medical degree from University of Michigan and went on to Northwestern University to complete her residency in obstetrics and gynecology. Upon completion of her residency, Dr. Lim returned to University of Michigan and completed Michigan's two year fellowship in Minimally Invasive Surgery. Dr. Lim is now a Clinical Assistant Professor and the Associate Fellowship Director and brings numerous strengths to the program, including a strong interest in patient education in medical decision-making.

Dr. Sara Till joined the University of Michigan Minimally Invasive faculty in August 2017. Dr. Till received her medical degree and MPH from Indiana University in 2011. She completed residency in obstetrics and gynecology at the University of North Carolina in 2015, followed by fellowship in Minimally Invasive Surgery at the University of Michigan in 2017. Dr. Till brings expertise in several areas, including clinical research in chronic pelvic pain, endometriosis, and surgical outcomes.

Fellowship Overview

The University of Michigan Fellowship in Minimally Invasive Surgery was established in 2003, and was first accredited by the AAGL/SRS in 2005. Fellows actively participate in all aspects of inpatient and outpatient care of patients seen by the MIS faculty. This includes the evaluation, planning, treatment and follow-up of patients seen in the Minimally Invasive Surgery Referral Clinic, the University of Michigan Endometriosis Center, and the Pelvic Pain Consultative Clinic. Through this experience, fellows will become proficient in the minimally invasive approach to common gynecologic complaints such as abnormal uterine bleeding, uterine fibroids, and adnexal masses. Fellows will also gain valuable and extensive experience in the multi-system and multidisciplinary approach to the evaluation of chronic pelvic pain and endometriosis. Fellows will spend approximately 1 – 1.5 days in clinic.

The surgical experience during this fellowship is “*hands-on,*” and fellows actively participate in all surgical cases performed by the MIS faculty. Types of procedures that a fellow is expected to master include the following: supracervical and total laparoscopic hysterectomy, robot-assisted hysterectomy, robotic myomectomy, laparoscopic myomectomy, laparoscopic excision of advanced endometriosis, laparoscopic ovarian cystectomy and adnexectomy, laparoscopic and robotic trachelectomy, lysis of adhesions, excision of ovarian remnants, and advanced operative hysteroscopy with resection of submucosal fibroids, uterine septum, and intrauterine adhesions. Minlaparotomy for abdominal myomectomy and hysterectomy, as well as vaginal hysterectomy are also emphasized. Fellows will spend approximately 2-2 ½ days in the operating room, depending on their rotation schedule. The MIS faculty also supervise an outpatient office procedure clinic, with a focus on office hysteroscopy, office diagnostic and operative hysteroscopy, and saline-infusion sonohysterography. This clinic is held weekly.

In addition to time spent in the operating room, fellows will further refine their skills in surgical simulation labs and cadaver labs done jointly with GYN oncology and urogynecology.

Off-Service Rotations and Electives

All MIS fellows at the University of Michigan will have the opportunity to spend one month in their first year on the urogynecology service and one month each year on the gynecologic oncology service within the Department of Obstetrics and Gynecology at The University of Michigan. The MIS fellow will be fully integrated into these off-service rotations. During these rotations, the MIS fellow will have the opportunity to participate in the medical and surgical care of patients on these services. In doing so, MIS fellows will gain important exposure and experience in the preoperative evaluation of urinary and fecal incontinence, urogenital prolapse, as well as the screening and evaluation of gynecologic malignancies. The fellows will also operate with each service, and will gain valuable experience in prolapse and incontinence procedures, as well as radical pelvic surgery and retroperitoneal dissection, including laparoscopic and robotic GYN cancer staging procedures.

Educational Objectives:

Over the course of the fellowship, all fellows will participate in weekly didactic sessions. Reading material on a clinical topic is assigned to the fellows and is supervised by the MIS faculty. Particular attention will be given to areas of controversy and new research and include the AAGL core reading articles. Topics to be discussed will closely follow the AAGL FMIGS educational objectives and will utilize the most recent literature and/or textbooks, including but not limited to the AAGL FMIGS reading list:

1. Abdominal and pelvic anatomy
2. Menstrual cycle physiology
3. Abnormal uterine bleeding
4. Uterine fibroids
5. Endometriosis
6. Adnexal pathology
7. Acute pelvic pain
8. Chronic pelvic pain
9. Congenital anomalies of the urogenital tract
10. Risk reducing surgeries
11. Surgery in special populations
12. Pelvic floor disorders
13. Perioperative management
14. Diagnosis and management of surgical complications
15. Principles of energy sources
16. Essentials of hysteroscopy
17. Essentials of laparoscopy
18. Essentials of robotic surgery
19. Essentials of vaginal surgery
20. Tissue retrieval and extraction
21. Adnexal surgery
22. Surgical treatment of congenital anomalies of the reproductive tract

23. Hysterectomy
24. Myomectomy
25. Retroperitoneal dissection
26. Surgical treatment of pelvic organ prolapse and incontinence
27. Urinary Tract Surgery
28. Gastrointestinal surgery
29. Intraoperative identification and management of visceral injuries and bleeding
30. Professionalism, ethics, accountability and communication
31. Research Design, Analysis, and Interpretation

Conference Schedule

	Time	Conference
Monday	1700-1800	Ob-Gyn Department M&M
Tuesday	0800-0900	MIS Preop Conference, Didactics and Journal Club, Research Meetings
Thursday	0730-0830	Ob/Gyn Grand Rounds

DESCRIPTION OF CONFERENCES:

Ob-GYN Department M&M Conference: This department-wide morbidity and mortality conference is presented by the senior resident on each service: Obstetrics, Benign Gynecology (including Urogynecology), GYN Oncology, and Reproductive Endocrinology and Infertility. Attendance at this conference is required by all faculty and residents and provides 1 CME credit.

MIS Preop Conference: The MIS division will meet weekly to review fellow continuity clinic patients and the planned surgical procedures for the following week. This is used as an opportunity to review the appropriate preoperative evaluation of minimally invasive surgery procedures, review MRI and other imaging results, and any issues related to planning the surgical procedure. All MIS faculty, fellows, residents and students attend this weekly session.

MIS Didactics: The MIS division will meet weekly for a didactic session to review topics of particular interest to our division. Sessions will be dedicated to review of a clinical topic outlined in the fellowship educational objectives and/or journal club to review published research in our field. MIS/ CPP faculty, fellows and residents will participate in presenting these didactic sessions.

MIS Research Meetings: The MIS division will meet monthly to review ongoing research by faculty and fellows, develop new research topics of interest, as well as to review presentations and manuscripts.

Ob-GYN Department Grand Rounds: This department-wide Grand Rounds is an excellent source of continuing medical education, covering a wide variety of topics relevant to obstetricians and gynecologists. Attendance of Grand Rounds is required for all faculty and residents and provides 1 CME credit.

Teaching by Fellows

The University of Michigan is recognized as one of the premier residency programs in obstetrics and gynecology in the United States and MIS fellows play an integral role in the education of residents and medical students within the department. One resident (PGY3 or PGY4) and one or more medical students are assigned to the division for each rotation. Residents and medical students function as important members of the health care team under the direction of the MIS fellows. In addition to teaching on daily work rounds and in the operating room, fellows are asked to prepare and deliver formal lectures and seminars for the resident core curriculum and to lead discussion at department journal clubs.

Clinical Research

There is a core of knowledge and skills common to all areas of clinical research that should form the foundation of the well-trained, independent clinical researcher. There are numerous opportunities to receive formal training and mentorship in clinical research. Clinical research activities may include participation in institutional studies and NIH-funded projects. An important ancillary goal of the two years of clinical training is to provide a framework in which the fellow can learn to balance the demands of clinical care with those of scholarly pursuits, including ongoing clinical research and manuscript preparation.

All MIGS fellows have the option of participating in a 3-week intense program in clinical epidemiology and biostatistics in July of their first year. Additional information for this program can be found here: <http://www.sph.umich.edu/epid/GSS/courses/3week.html>.

Additionally, all clinical fellows within our department have the opportunity to attend the Excellence in Clinical Research course led by Drs. David Grimes and Kenneth Schulz. An introduction to epidemiology, research methods and data analysis is covered in a week-long intensive format. Every fellow that has attended has found it to be an excellent learning opportunity.

The department provides an educational fund for each fellow to help cover the cost of research courses. This coursework will provide the foundation to complete an independent clinical research project that will result in presentation at a national meeting and publication in a peer-review journal. Protected research time is granted throughout the fellowship, and ample research opportunities are available within the division. Within the department of Obstetrics and Gynecology, the Fellowship Advisory Committee has also developed a biannual **Common Fellowship Curriculum**. These are ½ day seminars that provide all Ob-Gyn fellows educational seminars in numerous topics relevant to clinical research and academic leadership. Topics include research design and implementation, identifying funding opportunities, manuscript timelines and preparation, how to be an effective teacher, and employment contracts.

Research Opportunities within the Minimally Invasive Surgery Program:

Examples of research areas:

- The role of the central nervous system in endometriosis-associated chronic pelvic pain
- Neurobiological predictors of persistent pelvic pain in women undergoing hysterectomy for chronic pelvic pain
- Predictors of acute and chronic post-surgical pain
- Surgical simulation and methods of teaching laparoscopy in gynecologic surgery
- Patient knowledge and decision making in minimally invasive surgery
- Non-pharmacologic treatments for chronic pelvic pain
- Predictors of sexual dysfunction following hysterectomy
- Surgical outcomes and quality improvement

Under the supervision of Dr. As-Sanie, fellows will be expected to complete 1 independent research projects in collaboration with the MIS faculty and/or other faculty within the University of Michigan. These projects should result in presentation at a national meeting and at least one publication in a peer-reviewed journal. Research time will be allocated on a weekly basis according to the service month, and semi-weekly MIS division research meetings will serve as the forum to discuss and review the progress of faculty and fellow projects. Completion of one independent research project with manuscript ready for submission to a peer-reviewed journal is required for successful graduation from this program.