

Department of Surgery Residency Program
David Edelman, M.D.
Program Director
Donald Weaver, M.D.
Chairman, Department of Surgery

WAYNE STATE UNIVERSITY SCHOOL OF MEDICINE

HIGHLIGHTS OF THE PROGRAM

- ✘ Extensive Surgical Endoscopy Experience
- ✘ Extensive Trauma/Critical Care Experience
- ✘ Exceptional Board Pass Rate
- ✘ Extensive Basic/Science/Clinical Textbook Reading Program
- ✘ Extensive Hepatic Cryoablation Experience
- ✘ Exposure and Training in Ultrasound
- ✘ Exposure and Training in Simulation Lab

2022-2023 GENERAL SURGERY RESIDENTS

✘ PGY-5	6
✘ PGY-4	7
✘ PGY-3	8
✘ PGY-2	8
✘ PGY-1	16
✘ Research	2

TYPICAL ROTATIONS

PGY-1 Potential Rotations (4 week rotations)

✘ Oncology	1.0 Month
✘ Vascular	1.0 Month
✘ General Surgery	3.0 Months
✘ MIS	1.0 Month
✘ Trauma/Critical Care/Emergency	2.0 Months
✘ Burns	1.0 Month
✘ Plastic Surgery	1.0 Month
✘ Urology	1.0 Month
✘ Thoracic and Vascular	1.0 Month
✘ Pediatric Surgery	1.0 Month

Rotation Sites: Harper University Hospital, Detroit Receiving Hospital, Veteran's Administration Hospital, Sinai-Grace Hospital, Children's Hospital of Michigan, St. Mary/Livonia

TYPICAL ROTATIONS

PGY-2 Typical Rotations (~6 week rotations)

✘ Oncology/General Surgery	1.0 Month
✘ MIS	1.0 Month
✘ SICU/Burns	2.0 Months
✘ Breast	1.0 Month
✘ CT/Transplant	1.0 Month
✘ Trauma/Critical Care/Emergency	2.0 Months

Rotation Sites: Harper University Hospital, Detroit
Receiving Hospital

TYPICAL ROTATIONS

PGY-3 Typical Rotations (monthly rotations)

- | | |
|----------------------------|------------|
| ✘ Vascular | 2.0 Month |
| ✘ SICU | 2.0 Month |
| ✘ Trauma/Crit Care/Emerg | 3.0 Months |
| ✘ Oncology/General Surgery | 4.0 Month |
| ✘ Transplant | 1.0 Month |

Rotation Sites: Harper University Hospital, Detroit Receiving Hospital, Veteran's Administration Hospital, Sinai-Grace Hospital, St. Mary/Livonia, Ascension St. John Hospital

TYPICAL ROTATIONS

PGY-4 Typical Rotations (~7 week rotations)

- | | |
|-----------------------------|-----------|
| ✘ MIS | 1.0 Month |
| ✘ Cardiothoracic | 1.0 Month |
| ✘ Trauma/Crit Care/Emerg | 2.0 Month |
| ✘ Pediatric Surgery | 1.0 Month |
| ✘ Oncologic/General Surgery | 1.0 Month |
| ✘ Elective | 1.0 Month |

Rotation Sites: Harper University Hospital, Detroit Receiving Hospital, Children's Hospital of Michigan, Muskegon/Mercy Health

TYPICAL ROTATIONS

PGY-5 Typical Rotations (~8 week rotations)

- | | |
|----------------------------|------------|
| ✘ Oncology/General Surgery | 1.0 Month |
| ✘ General Surgery | 2.0 Months |
| ✘ MIS | 1.0 Month |
| ✘ Trauma/Crit Care/Emerg | 2.0 Months |

Rotation Sites: Harper University Hospital, Detroit Receiving Hospital, Veteran's Administration Hospital, St. Mary/Livonia

TYPICAL NIGHT CALL

- ✘ Detroit Receiving Hospital – Every fourth night
- ✘ Other Hospitals – Every fourth to sixth night

SURGICAL PROCEDURES

The following slides are samples of a typical five year operative experience for a chief resident as surgeon. The numbers are not guaranteed, but rather the average and range to be expected.

SURGICAL PROCEDURES

✘ Skin and Soft Tissues

As Chief

17 (9-25)

Total (25 min)

114 (66-135)

✘ Breast

As Chief

1 (0-3)

Total (40 min)

54 (44-76)

✘ Head and Neck

As Chief

5 (1-7)

Total (25 min)

43 (34-48)

SURGICAL PROCEDURES

✘ Alimentary Tract

As Chief

92 (72-107)

Total (180 min)

232 (193-264)

✘ Abdomen

As Chief

137 (103-226)

Total (250 min)

300 (271-354)

✘ Thoracic

As Chief

3 (1-6)

Total (20 min)

31 (20-38)

SURGICAL PROCEDURES

✘ Pediatric

As Chief

0 (0-2)

Total (20 min)

32 (22-39)

✘ Liver

As Chief

3 (1-6)

Total (5 min)

7 (5-11)

✘ Pancreas

As Chief

2 (1-3)

Total (5 min)

5 (5-6)

SURGICAL PROCEDURES

✘ Plastic

As Chief
3 (2-10)

Total (10 min)
56 (42-86)

✘ Vascular

As Chief
5 (2-10)

Total (50 min)
100 (76-143)

✘ Endocrine

As Chief
6 (2-9)

Total (15 min)
12 (4-17)

SURGICAL PROCEDURES

✘ Trauma

As Chief

9 (6-12)

Total (10 min)

25 (18-31)

✘ Endoscopy

As Chief

27 (11-35)

Total (85 min)

177 (126-251)

SURGICAL PROCEDURES

✘ Total Major Operations

As Chief (200 min)

256 (221-301)

Total (850 min)

962 (882-1074)

*Operative averages were taken from the June 2022 graduates.

*Our site was impacted by the pandemic. All chiefs graduated and were signed out as able to enter practice by the Program Director.

GOALS OF THE RESIDENCY PROGRAM

The Detroit Medical Center/ Wayne State University General Surgery Residency, is a categorical five-year program, which is housed in the Detroit Medical Center. The primary goals of the surgical residency are to:

- 1) Promote clinical excellence
- 2) Train surgeons who can impart knowledge to others in the field
- 3) Endorse the academic research skills of surgeons, which includes clinical lab and basic science experiments to enhance the knowledge base and clinical outcomes of surgical care

GOALS AND PROGRAM STANDARDS

- ✘ Goal 1 – Enhance general surgery residents' professionalism and patient care responsibilities
- ✘ Goal 2 – Increase first year residents' knowledge about the six core competencies mandated by the Accreditation Council of Graduate Medical Education
- ✘ Goal 3 – All general surgery residents are expected to be current on a variety of surgical topics by reading surgical literature in the SCORE website and from Selected Readings in General Surgery

GOALS AND PROGRAM STANDARDS

- ✘ Goal 4 – Increase first year and second year residents' overall knowledge of basic science and clinical science
- ✘ Goal 5 – Improve first year residents' surgical skills
- ✘ Goal 6 – Increase mid-level junior residents' knowledge of critical care medicine

GOALS AND PROGRAM STANDARDS

- ✘ Goal 7 – Continue to enhance senior residents' medical knowledge in general surgery via the Surgical Council on Resident Education (SCORE) Curriculum
- ✘ Goal 8 – Senior residents are required to review and interpret surgical literature at departmental conferences
- ✘ Goal 9 – Educate junior residents, senior residents, and faculty about new developments in surgery

GOALS AND PROGRAM STANDARDS

- ✘ Goal 10 – Reinforce clinical expertise, clinical decision-making and clinical care for PGY 1-5 surgery residents through educational didactic conferences at each hospital site
- ✘ Goal 11 – Enhance a surgical resident’s clinical research skills through an approved research rotation (optional)
- ✘ Goal 12 – Increase the clinical research skills of all residents through a required research project

GOALS AND PROGRAM STANDARDS

- ✘ Goal 13 – Assess the medical knowledge and clinical competence of all surgical residents through a written examination
- ✘ Goal 14 – Assess surgical techniques of mid-level junior residents via the Surgical Anatomy Cadaver Course
- ✘ Goal 15 – Assess the medical knowledge and clinical competence of senior residents through an oral examination

SURGERY RESIDENCY RESEARCH PROJECT

The General Surgery program requires each resident to begin a research project by the end of the second year of residency. Research projects can be customized to a surgical resident's career aspirations, training and experience. The ultimate goal of research is to have residents complete a paper of publication quality before the end of their senior year (PGY5). It is required that residents present their research findings at the Detroit Surgical Society or other scholarly venues.

STRUCTURED EDUCATION

- ✘ Protected PGY-1 Simulation Time
- ✘ Protected PGY-1/2 Basic Science Lectures
- ✘ PGY-2 U/S course
- ✘ Grand Rounds and M&M every Wednesday
- ✘ ABSITE review series Tuesday afternoons
- ✘ Oral Board review series Friday afternoons
- ✘ Journal Club