

# McLaren Greater Lansing General Surgery Residency

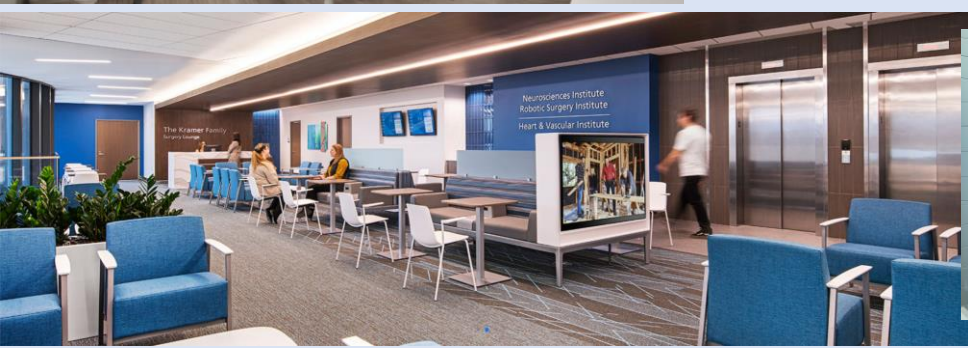
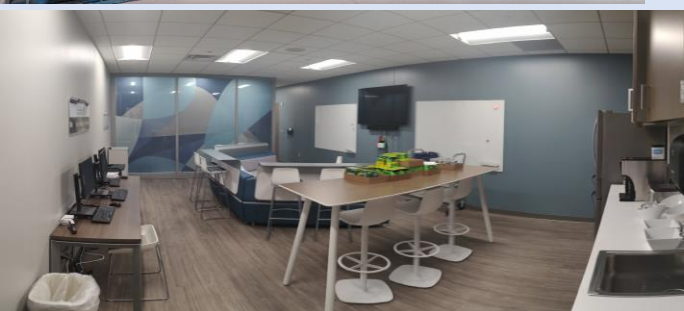
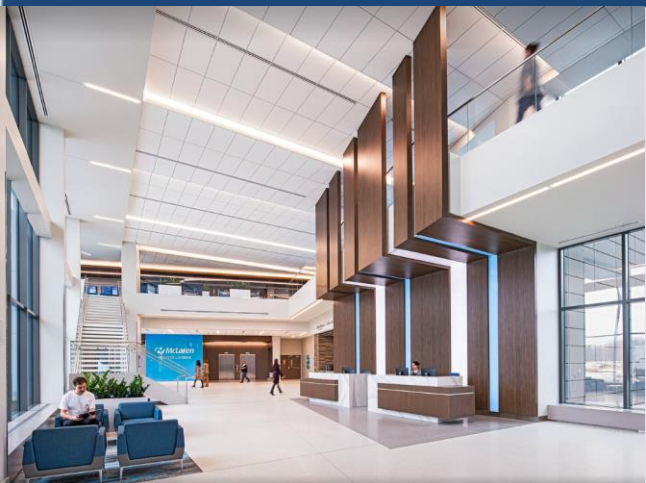


2024 Program Introduction and Overview

# History

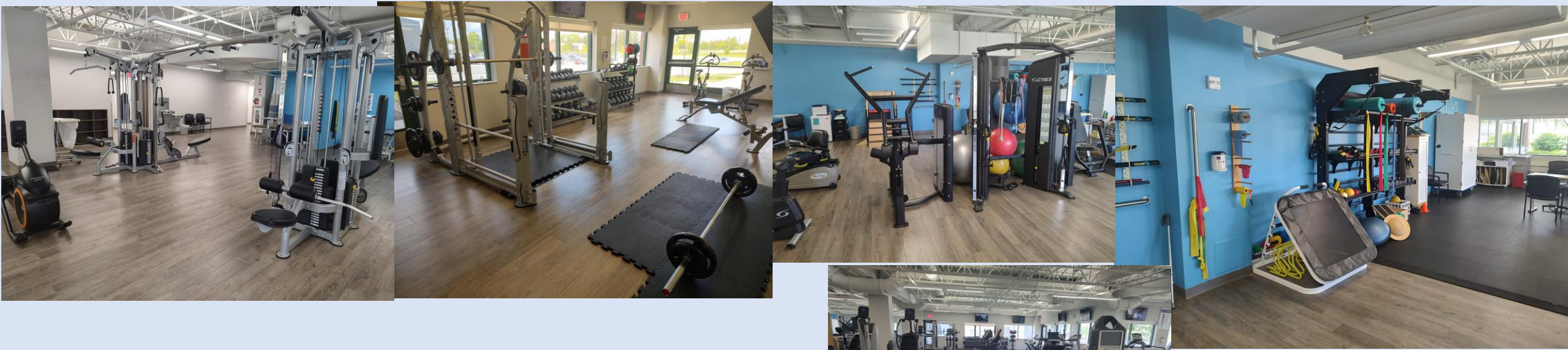
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Free access to on-site exercise facilities

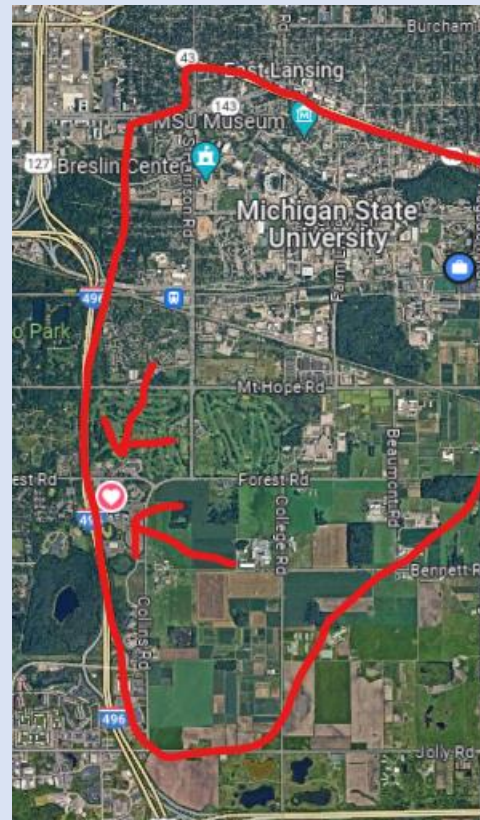


Two designated call rooms + private  
bathrooms for Surgery Residents





- Tertiary care teaching hospital
- Tier 3 Trauma Center (3 bays)
- 240 acute care beds
- 30 ICU Beds
- Busy robotics program



- Residencies affiliated with Michigan State University—College of Osteopathic Medicine, College of Human Medicine, Nursing College, GME Alliance (formerly SCS)
- MGL Residencies: Family Medicine, Internal Medicine, Orthopedic Surgery, General Surgery, Anesthesiology, Emergency Medicine, OB/GYN
- Visiting Residents: EM, Neurology, Urology, Psychiatry, PM&R, OMM
- Fellowships: Cardiology, Heme/Onc, GI, Pulm/Crit Care

Adjacent Clinics: Residency, Wound, Sleep Clinic, PT, OT





5-year ACGME-accredited General Surgery Program

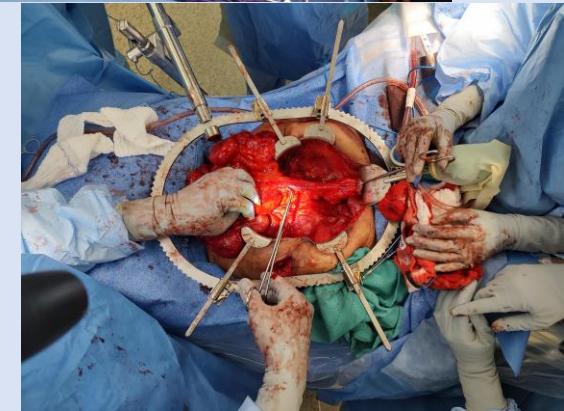
Established in 1963

Hybrid Apprenticeship and Service models

3 Residents/year

## Rotations:

- General Surgery (MGL, Sparrow Eaton)
- Vascular Surgery (MGL)
- Cardiothoracic Surgery (MGL)
- Colorectal Surgery (MGL, Cleveland Clinic Foundation Main Campus - #1 in world)
- Surgical Oncology (MGL, Corewell West, McLaren Flint)
- Trauma Surgery (MGL, Grant Medical Center - #5 in USA)
- Pediatric Surgery (Corewell West)
- Burn (Corewell West)
- Urology (MGL)
- Transplant Surgery (Henry Ford Hospital Main Campus - #1 in Michigan)
- Internal Medicine (MGL)
- ICU (MGL)
- Elective Rotation



## Schedule:

- Trauma/ACS call rotates daily at MGL
- Weekend Call: 1 weekend/month (6 days off/month!)
- Night float with home backup:
  - Interns – 4 weeks
  - PGY2 – 8 weeks
  - PGY3 – 8 weeks
- Vacation Time: 4 weeks/year
- Maternity/Paternity leave
- Out-rotation schedule dictated by host program (4 days off/block, variable call)





## Core Faculty

- Dr Mark Jones (General Surgery, Wound Care)
- Dr Nicholas St Hilaire (General Surgery, high volume robotics)
- Dr Troy Ferguson (General Surgery, high volume robotics)
- Dr Jeff Deppen (General Surgery, high volume robotics)
- Dr Werner Henning (General, complex robotics)
- Dr Judith Linn (Vascular Surgery, robotics)
- Dr Jordan Knepper (Vascular Surgery, CYDAR)

## Additional Faculty at MGL

- Dr Jacqueline Charbel (Colorectal)
- Dr Tina Chen (Vascular)
- Dr. Senan Abdul-Hamed (Plastics)
- Dr Mahender Macha (Cardiac)
- Dr John Kuhn (Thoracic)
- Dr Shrey Patel (Thoracic)
- Dr Eric Stockall (Urology)
- Dr Jacek Cholewicki (PhD – Research Advisor)
- Dr. Nathan Mollberg (Thoracic)
- Dr. Peter Rossi (Cardiac)



## 100% Board Pass Rate.



American College of Osteopathic Surgeons

572 followers  
1w

April is National Donate Life Month! ACOS is thrilled to highlight Dr. Ivy Godana, D.O., Chief Surgery Resident at McLaren Greater Lansing, Incoming Abdominal Transplant Surgery Fellow, Loma Linda Transplant Institute. Her dedication to transplant surgery blossomed during a rotation at Henry Ford Hospital. Dr. Godana is I am thankful for the mentors she has met along the way, those who inspired her and those that pushed her forward. She looks forward to doing the same for future Transplant Surgeons! [#DonateLifeMonth](#) [#transplantsurgery](#)



| Graduation Year | Surgeon Alumnus/Destination                                                                                                                                                                                                                                                                                                     |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2025            | Evan Guay— <b>Transplant Surgery</b> Fellowship at Univ. of Alabama<br>Sherif Armanyous— <b>Transplant Surgery</b> Fellowship at Houston Methodist<br>James Dorosh—General Surgeon at McLaren Bay Region Michigan                                                                                                               |
| 2024            | Ivy Godana – <b>Abdominal Transplant Surgery</b> Fellowship at Loma Linda<br>Grant Lewis—General Surgeon at Zanesville, Ohio<br>Nate Han—General Surgeon at Cincinatti, Ohio                                                                                                                                                    |
| 2023            | Ryan Fahy—General Surgeon at McLaren Bay Region Michigan<br>Victoria Locke—General Surgeon at Jeffersonville Indiana<br>Connor Weir—General Surgeon at Southeast Health Surgery Clinic Dothan Alabama                                                                                                                           |
| 2022            | Jason Collins—General Surgeon at Tomah, Wisconsin<br>Leandra Jelinek—General Surgeon at Portland, Maine                                                                                                                                                                                                                         |
| 2021            | Jessica Henderson— <b>Breast Fellowship</b> at Chicago, IL, Breast Surgeon at MSU ( <b>Current faculty</b> )<br>Ariel Toomey—Plastic and Reconstructive surgery residency Beaumont Health Michigan, then Aesthetic Plastic Surgery in NYC<br>Nick Welle— <b>Vascular Surgery Fellowship</b> Oklahoma, General Surgeon in Kansas |
| 2020            | Matthew Deere—General Surgeon at Elkhart Indiana<br>Werner Henning—General Surgeon at Lansing Surgical Associates ( <b>Current faculty</b> )                                                                                                                                                                                    |
| 2019            | Anthony Chen—General Surgeon at Fredericksburg Virginia                                                                                                                                                                                                                                                                         |
| 2016            | Kerant Pihl—General Surgeon at UM West                                                                                                                                                                                                                                                                                          |
| 2015            | Emily Mitchell-General Surgeon, Indiana<br>Greg McBride—General Surgeon at Petosky, MI                                                                                                                                                                                                                                          |
| 2014            | Shane Martin—General Surgeon at Midland, MI                                                                                                                                                                                                                                                                                     |
| 2013            | Troy Ferguson—General Surgeon at Lansing Surgical Associates ( <b>Current faculty</b> )<br>Forest Fredline—General Surgeon at Idaho<br>Vivian Ko— <b>Breast fellowship</b> , now Breast Surgeon in Minnesota                                                                                                                    |
| 2010            | Kent Bowden—General Surgeon at Cadillac Michigan                                                                                                                                                                                                                                                                                |
| 2009            | KhangHy Nguyen—Military then General Surgeon at UMichigan Sparrow                                                                                                                                                                                                                                                               |

# General Surgery Residency

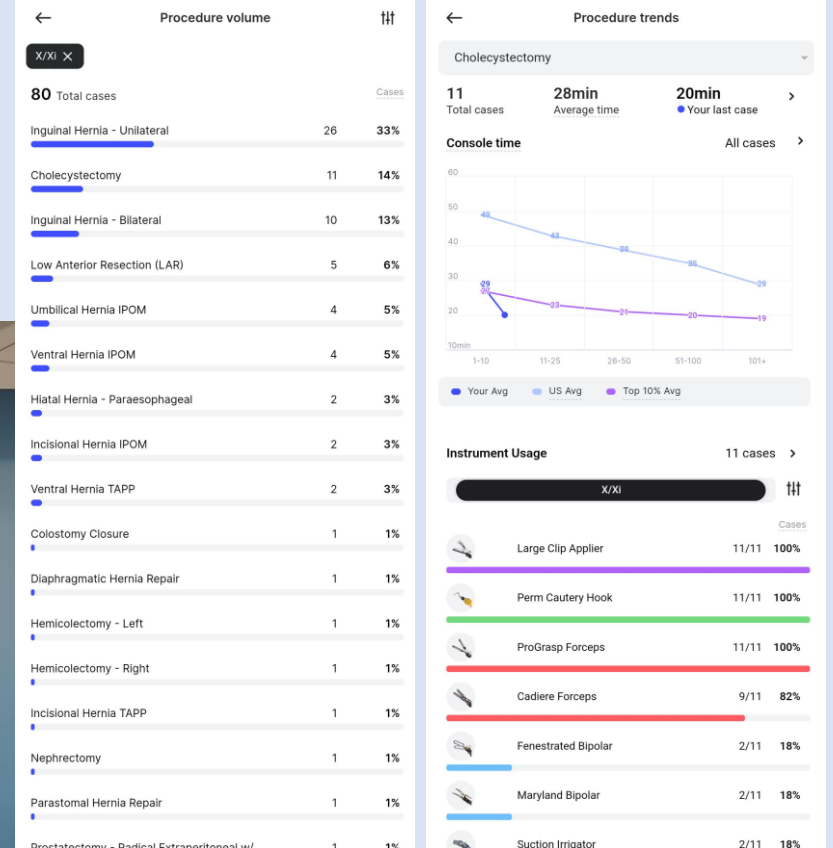
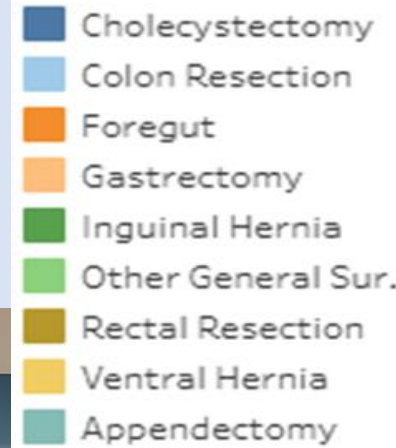
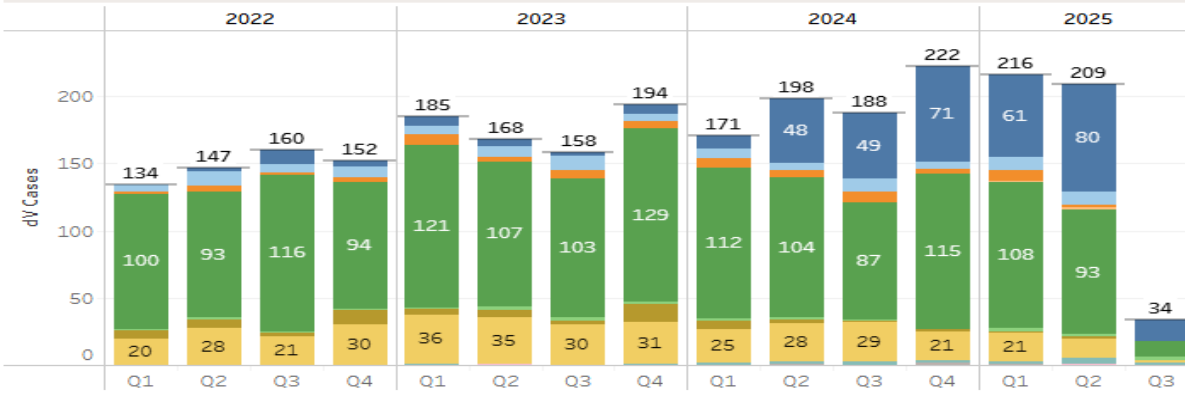
Case Volumes far exceeding requirements in open, laparoscopic, robotic and endovascular techniques  
(Graduation minimum: 850. Chief case minimum: 200. Minimum cases by end of PGY2: 250.  
National average major cases upon graduation: 1100)

| Resident A (PGY5)                                |     |     | Resident B (PGY4)                                |     |     | Resident C (PGY3)                                |     |     | Resident D (PGY2)                                |     |     | Resident E (PGY1)                                |     |     |
|--------------------------------------------------|-----|-----|--------------------------------------------------|-----|-----|--------------------------------------------------|-----|-----|--------------------------------------------------|-----|-----|--------------------------------------------------|-----|-----|
| Total Major Cases: 1736<br>Chief cases: 403      |     |     | Total Major Cases: 1499                          |     |     | Total Major Cases: 855                           |     |     | Total Major Cases: 432                           |     |     | Total Major Cases: 254                           |     |     |
| Skin and Soft Tissue                             | 25  | 152 | Skin and Soft Tissue                             | 25  | 104 | Skin and Soft Tissue                             | 25  | 70  | Skin and Soft Tissue                             | 25  | 29  | Skin and Soft Tissue                             | 25  | 10  |
| Breast                                           | 40  | 115 | Breast                                           | 40  | 70  | Breast                                           | 40  | 107 | Breast                                           | 40  | 40  | Breast                                           | 40  | 26  |
| Mastectomy                                       | 5   | 98  | Mastectomy                                       | 5   | 55  | Mastectomy                                       | 5   | 85  | Mastectomy                                       | 5   | 27  | Mastectomy                                       | 5   | 24  |
| Axilla                                           | 5   | 43  | Axilla                                           | 5   | 20  | Axilla                                           | 5   | 35  | Axilla                                           | 5   | 6   | Axilla                                           | 5   | 6   |
| Head and Neck                                    | 25  | 66  | Head and Neck                                    | 25  | 46  | Head and Neck                                    | 25  | 16  | Head and Neck                                    | 25  | 11  | Head and Neck                                    | 25  | 1   |
| Alimentary Tract                                 | 180 | 299 | Alimentary Tract                                 | 180 | 290 | Alimentary Tract                                 | 180 | 172 | Alimentary Tract                                 | 180 | 82  | Alimentary Tract                                 | 180 | 54  |
| Esophagus                                        | 5   | 18  | Esophagus                                        | 5   | 18  | Esophagus                                        | 5   | 11  | Esophagus                                        | 5   | 2   | Esophagus                                        | 5   | 1   |
| Stomach                                          | 15  | 27  | Stomach                                          | 15  | 24  | Stomach                                          | 15  | 14  | Stomach                                          | 15  | 3   | Stomach                                          | 15  | 1   |
| Small Intestine                                  | 25  | 46  | Small Intestine                                  | 25  | 51  | Small Intestine                                  | 25  | 22  | Small Intestine                                  | 25  | 7   | Small Intestine                                  | 25  | 7   |
| Large Intestine                                  | 40  | 70  | Large Intestine                                  | 40  | 65  | Large Intestine                                  | 40  | 39  | Large Intestine                                  | 40  | 28  | Large Intestine                                  | 40  | 14  |
| Appendix                                         | 40  | 86  | Appendix                                         | 40  | 66  | Appendix                                         | 40  | 55  | Appendix                                         | 40  | 17  | Appendix                                         | 40  | 15  |
| Anorectal                                        | 20  | 52  | Anorectal                                        | 20  | 66  | Anorectal                                        | 20  | 31  | Anorectal                                        | 20  | 25  | Anorectal                                        | 20  | 16  |
| Abdominal                                        | 250 | 867 | Abdominal                                        | 250 | 659 | Abdominal                                        | 250 | 368 | Abdominal                                        | 250 | 203 | Abdominal                                        | 250 | 110 |
| Biliary                                          | 85  | 286 | Biliary                                          | 85  | 203 | Biliary                                          | 85  | 161 | Biliary                                          | 85  | 71  | Biliary                                          | 85  | 44  |
| Hernia                                           | 85  | 456 | Hernia                                           | 85  | 307 | Hernia                                           | 85  | 168 | Hernia                                           | 85  | 107 | Hernia                                           | 85  | 56  |
| Liver                                            | 5   | 11  | Liver                                            | 5   | 55  | Liver                                            | 5   | 7   | Liver                                            | 5   | 0   | Liver                                            | 5   | 0   |
| Pancreas                                         | 5   | 11  | Pancreas                                         | 5   | 11  | Pancreas                                         | 5   | 1   | Pancreas                                         | 5   | 0   | Pancreas                                         | 5   | 0   |
| Vascular                                         | 50  | 163 | Vascular                                         | 50  | 176 | Vascular                                         | 50  | 70  | Vascular                                         | 50  | 52  | Vascular                                         | 50  | 50  |
| Access                                           | 10  | 18  | Access                                           | 10  | 22  | Access                                           | 10  | 10  | Access                                           | 10  | 1   | Access                                           | 10  | 3   |
| Anastomosis, Repair, Exposure, or Endarterectomy | 10  | 48  | Anastomosis, Repair, Exposure, or Endarterectomy | 10  | 58  | Anastomosis, Repair, Exposure, or Endarterectomy | 10  | 17  | Anastomosis, Repair, Exposure, or Endarterectomy | 10  | 11  | Anastomosis, Repair, Exposure, or Endarterectomy | 10  | 15  |
| Endocrine                                        | 15  | 17  | Endocrine                                        | 15  | 14  | Endocrine                                        | 15  | 6   | Endocrine                                        | 15  | 5   | Endocrine                                        | 15  | 0   |
| Thyroid or parathyroid                           | 10  | 11  | Thyroid or parathyroid                           | 10  | 7   | Thyroid or parathyroid                           | 10  | 5   | Thyroid or parathyroid                           | 10  | 4   | Thyroid or parathyroid                           | 10  | 0   |
| Operative Trauma                                 | 10  | 21  | Operative Trauma                                 | 10  | 30  | Operative Trauma                                 | 10  | 3   | Operative Trauma                                 | 10  | 3   | Operative Trauma                                 | 10  | 2   |
| Non-Operative Trauma                             | 40  | 80  | Non-Operative Trauma                             | 40  | 150 | Non-Operative Trauma                             | 40  | 52  | Non-Operative Trauma                             | 40  | 16  | Non-Operative Trauma                             | 40  | 6   |
| Team Leader Resuscitation                        | 10  | 13  | Team Leader Resuscitation                        | 10  | 21  | Team Leader Resuscitation                        | 10  | 6   | Team Leader Resuscitation                        | 10  | 16  | Team Leader Resuscitation                        | 10  | 2   |
| Thoracic                                         | 20  | 24  | Thoracic                                         | 20  | 58  | Thoracic                                         | 20  | 17  | Thoracic                                         | 20  | 2   | Thoracic                                         | 20  | 0   |
| Open Thoracotomy                                 | 5   | 10  | Open Thoracotomy                                 | 5   | 20  | Open Thoracotomy                                 | 5   | 8   | Open Thoracotomy                                 | 5   | 1   | Open Thoracotomy                                 | 5   | 0   |
| Pediatric                                        | 20  | 35  | Pediatric                                        | 20  | 60  | Pediatric                                        | 20  | 25  | Pediatric                                        | 20  | 0   | Pediatric                                        | 20  | 2   |
| Plastic                                          | 10  | 20  | Plastic                                          | 10  | 52  | Plastic                                          | 10  | 14  | Plastic                                          | 10  | 9   | Plastic                                          | 10  | 2   |
| Surgical Critical Care*                          | 40  | 51  | Surgical Critical Care*                          | 40  | 135 | Surgical Critical Care*                          | 40  | 40  | Surgical Critical Care*                          | 40  | 40  | Surgical Critical Care*                          | 40  | 34  |
| Laparoscopic - Basic                             | 100 | 404 | Laparoscopic - Basic                             | 100 | 282 | Laparoscopic - Basic                             | 100 | 223 | Laparoscopic - Basic                             | 100 | 99  | Laparoscopic - Basic                             | 100 | 61  |
| Endoscopy                                        | 85  | 299 | Endoscopy                                        | 85  | 269 | Endoscopy                                        | 85  | 246 | Endoscopy                                        | 85  | 120 | Endoscopy                                        | 85  | 64  |
| Upper Endoscopy                                  | 35  | 67  | Upper Endoscopy                                  | 35  | 55  | Upper Endoscopy                                  | 35  | 30  | Upper Endoscopy                                  | 35  | 12  | Upper Endoscopy                                  | 35  | 3   |
| Colonoscopy                                      | 50  | 174 | Colonoscopy                                      | 50  | 157 | Colonoscopy                                      | 50  | 213 | Colonoscopy                                      | 50  | 108 | Colonoscopy                                      | 50  | 61  |



## Hospital KPIs - McLaren Greater Lansing

### Procedure Volume



## General Surgeons' Robotic Cases

2023

705

2024

779

2025-Q3

459

Neurosciences Institute  
Robotic Surgery Institute  
Heart & Vascular Institute

National Avg Robotic Cases  
Logged/Resident since 2022

18.36

MGL Avg Robotic Cases  
Logged/Resident since 2022

56.9

MGL Avg Robotic Cases Logged/Chief  
Resident since 2022

128

## Education

- Appointment as MSU clinical faculty
  - discounts on MSU stuff, access to resources
- Apprenticeship model
- Weekly didactics
- Cadaver labs
- Journal clubs
- Faculty Mentorship
- Support for conferences
- Multidisciplinary Tumor Boards
- Hospital committees
  - DEI, High Value Care, Infection Control, Quality Control, etc



- Robot Simulator + curriculum, access to robotic case data
  - Intuitive/Da Vinci
- Laparoscopic surgery curriculum
  - Simsei
- TAMIS lab
- Open and Endovascular surgery labs
- Advanced Ultrasound labs





## Sim Labs and Curricula



OPEN

LAPAROSCOPIC

ROBOTIC

ENDOVASCULAR

OPEN VASCULAR



## Research

In the past year:

- Journal articles
- Book Chapters
- Presentations at Mid-Michigan Research Meeting
- Presentations at Michigan Vascular Society
- Presentation at American Physician Scientist Association, national meeting
- Presentation at American College of Osteopathic Surgeons, national meeting

Serial Transverse Enteroplasty and The Re-establishment of Enteral Autonomy Among The Adult Population: New Insights with Advanced Clinical Practice and Novel Outcome Predictive Model.

Fujiki M, **Armanyous SR**, ElSherif A, Parekh N, Costa G, Hawthorne A, Osman M, Abu-Elmagd KM.

Ann Surg. 2025 Jan 28. doi: 10.1097/SLA.0000000000006639. Online ahead of print.

PMID: 39953696

**Taylor Tenbrock**, Joe (Sung Heum) Jo, **Evan Guay**, Mark Jones A Multidisciplinary Approach to Healing Radiation Injuries Following Electron Beam Exposure - Mid-Michigan Regional

Research Day-East Lansing MI-April 17, 2025

Poster #33

Impact of temperature on the magnitude and duration of relief after lumbar facets medial branch nerves radiofrequency ablation: a randomized double-blinded study

Nagy Mekhail , <sup>1</sup> Shrif Costandi , <sup>2</sup> Sherif Armanyous, <sup>1</sup> Erin Templeton, <sup>1</sup> Lou-Anne G Acevedo-Moreno , <sup>1</sup> Nicholas Prayson<sup>2</sup>

 **Acalculous Cholecystitis**

Author: **Mark W. Jones** Author: **Gregory Santos** Editor: **Parth J. Patel** Updated: 6/15/2025 6:15:42 PM

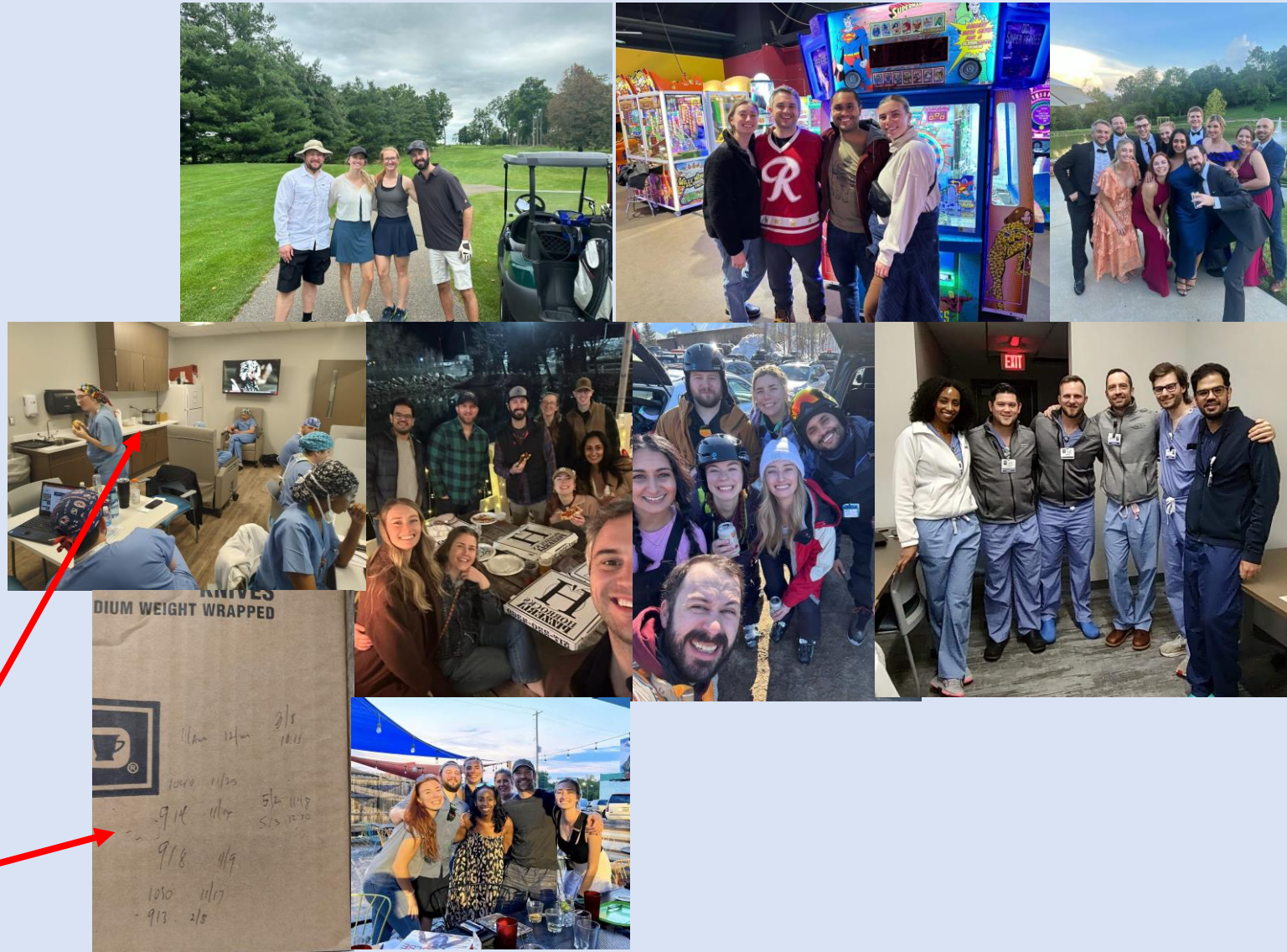




## Wellness

- Wellness Committee
- GME budget
- Additional events sponsored by attendings
- Possibly the best time-off schedule
- Hospital DEI Committee
- Call schedule is amazing

Meticulous book keeping by  
soup accountant, Dr J Deppen





## Life in Lansing

- **Michigan State University**
- State Capital
- Affordability
- Outdoors
- Food
- Cocktails/Night life
- Arts/theater
- Family



**\$844M**

2023 research expenditures

**100+**

Institutes and centers

**3,300+**

Faculty inventions



## Life in Lansing

- Michigan State University
- **State Capitol**
- Affordability
- Outdoors
- Food
- Cocktails/Night life
- Arts/theater
- Family

45 min from Ann Arbor  
1.25 hr from Detroit  
1hr from Grand Rapids



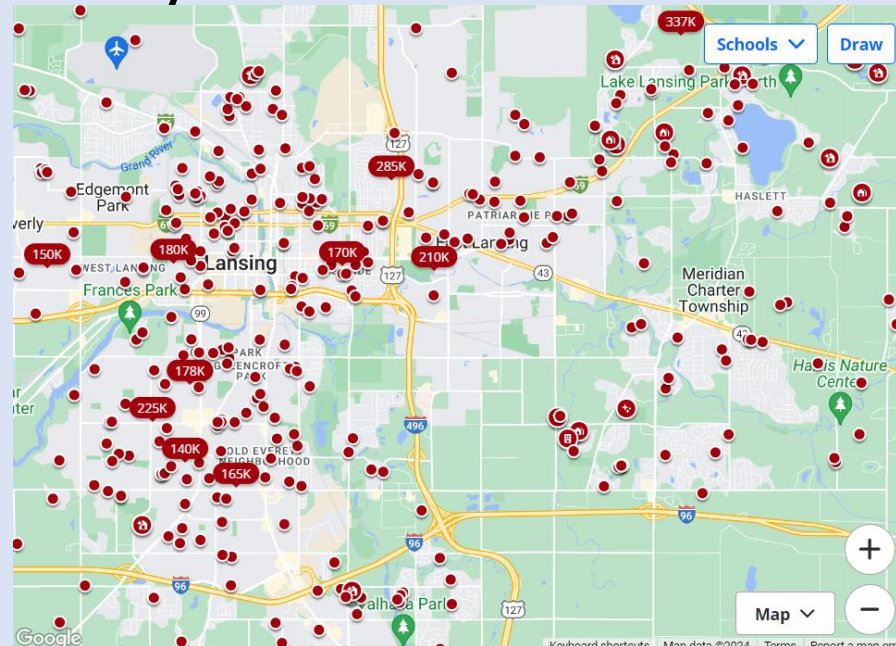
**CITY OF EAST LANSING  
RESOLUTION 2023-1**

**RESOLUTION DECLARING THE CITY OF EAST LANSING  
A SANCTUARY CITY**



## Life in Lansing

- Michigan State University
- State Capitol
- **Affordability**
- Outdoors
- Food
- Cocktails/Night life
- Arts/theater
- Family



**\$224,900**  
3 bds | 3 ba | 1,702 sqft - House for sale  
3031 Pleasant Grove Rd, Lansing, MI 48910  
EXIT REALTY HOME PARTNERS



**\$177,500**  
3 bds | 2 ba | 1,948 sqft - House for sale  
1312 Gordon Ave, Lansing, MI 48910  
KELLER WILLIAMS REALTY LANSING-EAST



**\$179,900**  
4 bds | 2 ba | 2,184 sqft - House for sale

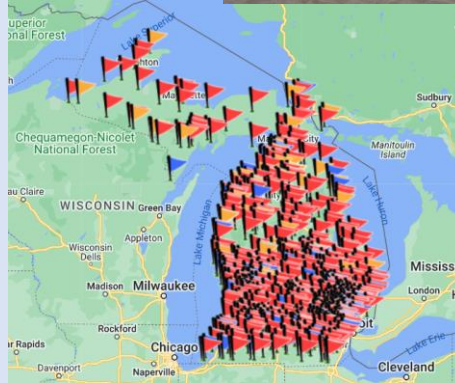


**\$285,000**  
3 bds | 3 ba | 2,436 sqft - House for sale

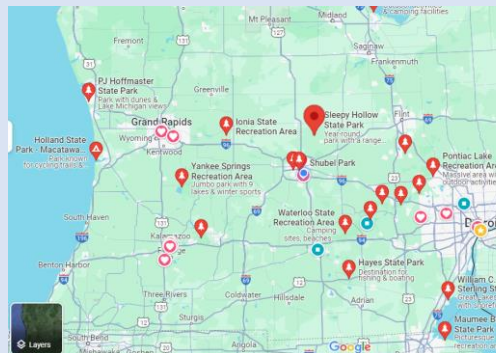


## Life in Lansing

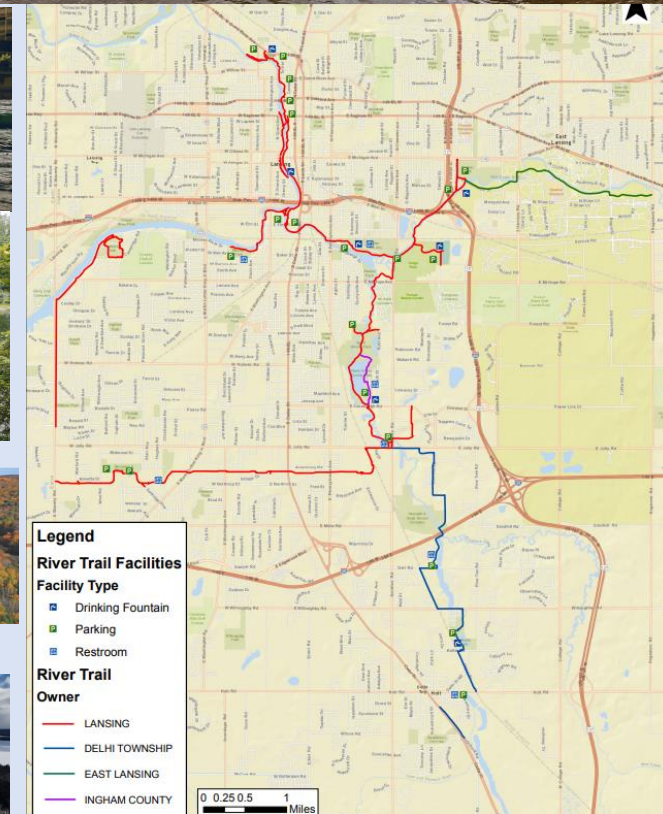
- Michigan State University
- State Capitol
- Affordability
- **Outdoors**
- Food
- Cocktails/Night life
- Arts/theater
- Family
- Never more than 6 miles from an inland lake, never more than 85 miles from a great lake



Golf Courses



Camping in Mid-Michigan



Lansing River Trail



## Life in Lansing

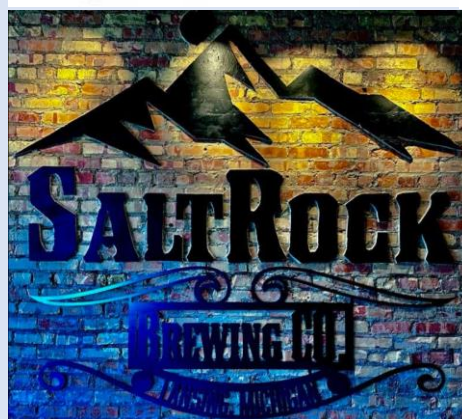
- Michigan State University
- State Capitol
- Affordability
- Outdoors
- **Food**
- Cocktails/Night life
- Arts/theater
- Family





## Life in Lansing

- Michigan State University
- State Capitol
- Affordability
- Outdoors
- Food
- **Drinks/Night life**
- Arts/theater
- Family

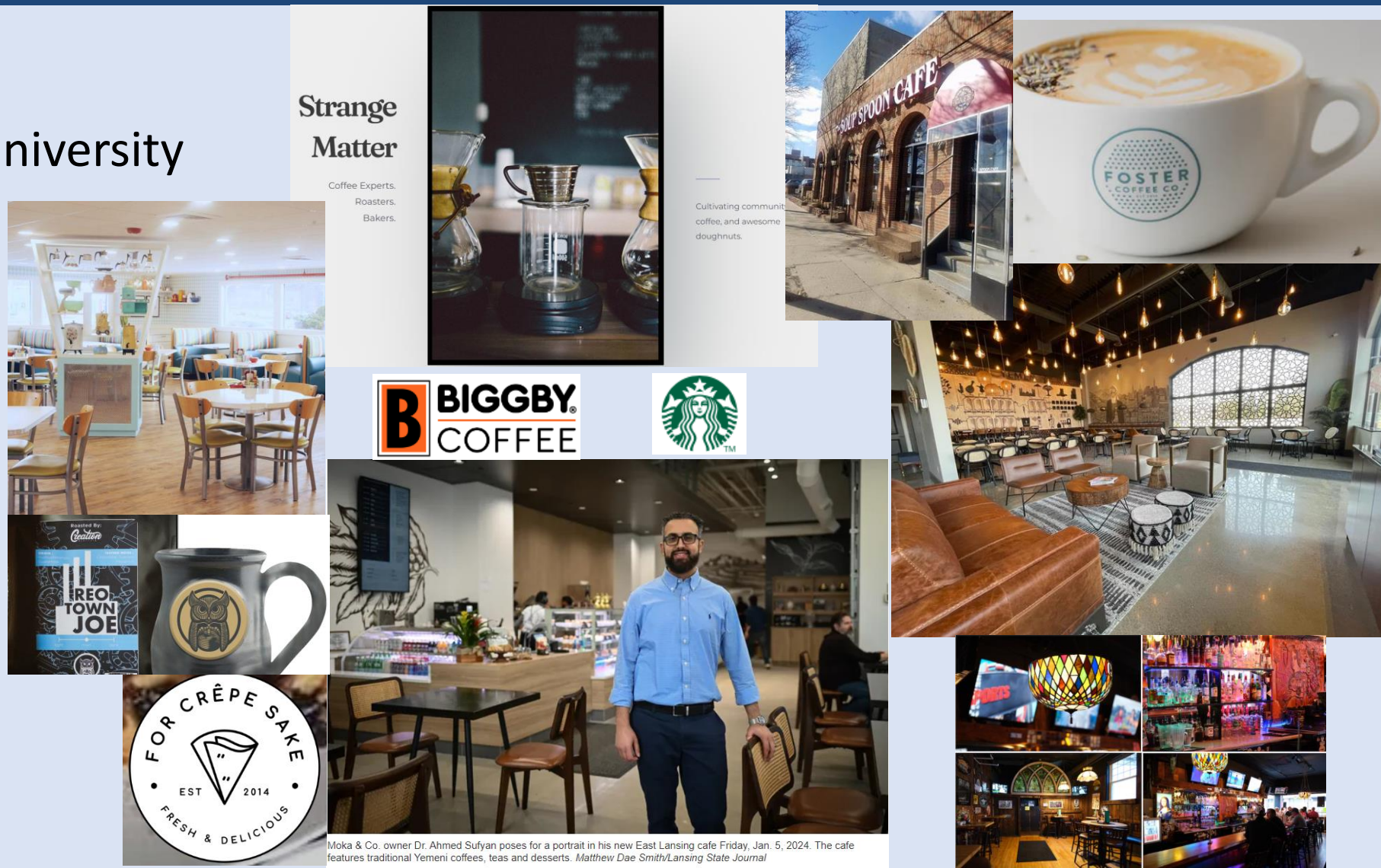






# Life in Lansing

- Michigan State University
- State Capitol
- Affordability
- Outdoors
- Food
- Drinks/Night life
- **Coffee/Brunch**
- Arts/theater
- Family





# General Surgery Residency

## Life in Lansing

- Michigan State University
- State Capitol
- Affordability
- Outdoors
- Food
- Cocktails/Night life
- **Arts**
- Family



**Greater Lansing Potters' Guild**

*"She loved the smell of wet dirt the way others might love the smell of roses"* Dawn Hewitt



**Mid-Michigan Bluegrass & Folk Jams & Performances**



**DANCING**





## Life in Lansing

- Michigan State University
- State Capitol
- Affordability
- Outdoors
- Food
- Cocktails/Night life
- Arts/theater
- **Family/Kids**



- Plenty of indoor and outdoor play places
- Okemos, East Lansing, Haslett, Dewitt Schools are especially good.
- Montessori Schools
- LCC is free for LPS graduates



**IT'S TIME FOR A ZOO ADVENTURE!**





## Suggestions for success in residency

- We are all doctors – respect one another. Respect other services. Bad mouthing others will make you look small. If someone else is doing something egregious, correct it yourself without complaining.
- If you do not know something, ask. Your actions and words can have grave consequences or save lives.
- Resist becoming unidimensional. It will take a ton of effort to become a good surgeon. You will eventually have the core knowledge, skills and need other things to augment your joy. Don't lose your relationships and hobbies.
- Take your time off. There are ample opportunities to get the reps you need. You will be better for it. That said, see jobs through until completion.
- When you are at the hospital, work to be better. Scrub a ton of cases, do as many procedures as you can, see as many consults as you can. You will only be as good as you work to be. There is no luck.
- Get through your robotic modules ASAP during intern year.
- Practice perfect reps. Form matters.
- Trust but verify
- If there is an indication for surgery, explore it aggressively, especially if the patient is sick. **Know the indications.**
- Patients do not care if you are tired. They want excellence, no matter the situation. Hold yourself to that standard. Drink coffee, exercise, sing, listen to music, do whatever you need to do to be at peak performance at any hour.
- ABSITE: especially your first year, do as many practice questions as you can. Doing well will protect you from scrutiny. Doing poorly means more work for you in the long run (subsequent years, boards). Know Trauma and Cancer treatments, especially.

## Resources for Success in Residency

- Audio ABSITE, board prep and surgical discussions:  
<https://app.behindtheknife.org/home>
- Summaries of the basis for oncologic guidelines:  
<https://surgonc.org/annals/the-landmark-series/>
- Free access to journals, books, photos and videos:  
<https://lib.msu.edu/>. You must make an MSU email



# Journal Club Template

|                                                                                                                                                         |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Title                                                                                                                                                   |  |
| Background/premise of the paper                                                                                                                         |  |
| Clinical question                                                                                                                                       |  |
| Type of study                                                                                                                                           |  |
| <u>Patient/Population</u> <ul style="list-style-type: none"><li>• Date range</li><li>• Stage/Pathology</li><li>• Inclusion/Exclusion criteria</li></ul> |  |
| Intervention(s)                                                                                                                                         |  |
| Control                                                                                                                                                 |  |
| Outcome(s)                                                                                                                                              |  |
| Toxicities/Adverse Events                                                                                                                               |  |
| Author Recommendations                                                                                                                                  |  |
| Critical Assessment/Limitations                                                                                                                         |  |
| <b>Take Home Points</b>                                                                                                                                 |  |