



MOUNT CARMEL

# Orthopedic Surgery Student Rotation Manual 2021-2022

Mount Carmel Health System  
Columbus, Ohio



# Contents

Introduction

Overview of Rotation and Requirements

Procedure Log

Recommended Resources and Readings

Attendings

2021 - 2022 Residents/Interns

2021 – 2022 Service Schedule Important

Phone Numbers

About Internship and Residency

Notes

Selected Readings



## Introduction

Welcome to the orthopedic surgery rotation at Mount Carmel Health System!

This rotation is intended to give you an overview of the field of orthopedic surgery, including an orthopedic surgeon's evaluation and management for various musculoskeletal conditions. You will be asked to be involved to the best of your abilities and take a proactive approach in your education because the number one purpose of this rotation is for you to learn. The more you are involved, the more you will learn.

During your rotation you will be exposed to various orthopedic conditions, both surgical and non-surgical, dealing with both in and outpatients. It is not expected that you see or perform every procedure, as you will only be spending a short time with us. However, if there is something that interests you about a particular aspect of orthopedics, please let the resident know so that they may try to accommodate your interests.

Let this manual be your guide toward expectations while on service. Many answers to common questions (ex: regarding call, weekends, and vacation) are found in the following pages. Please direct any other questions to the orthopedic resident or faculty. If in doubt – ASK!

Before the end of your rotation (a few days in advance), please give your personal evaluation about the orthopedic resident(s) with which you spent the most time. You will be asked to evaluate the rotation overall as well. Please be honest and give any advice or criticism professionally to help us improve ourselves.

Once again, welcome and good luck!

2021 – 2022 Orthopedic Residents and Faculty

## Overview of Rotation and Requirements

The orthopedic surgery rotation is intended to introduce and familiarize you with the management of orthopedic in and outpatients emergently, surgically, non-surgically and clinically. By the end of the rotation, you should have become familiar with the musculoskeletal physical examination, radiograph interpretation and communication, and common orthopedic surgical procedures.

### General

You will make hospital rounds each morning at 6:00 am on all orthopedic patients under direction of the resident in charge. You are responsible for seeing assigned-patients pre-op and post-op as requested by the attending physician or resident.

You are expected to participate in surgeries. Check the surgery schedule, at least one day in advance for upcoming surgeries. Furthermore, you may discuss the surgery schedule with any of the residents. You are expected to do a complete review of anatomy for each scheduled case. Make sure you arrive to the OR, in proper attire; at least 15 minutes before the case's scheduled start time.

You will be asked to participate in the orthopedic clinic (located on the 4th floor of bldg 2/MCGC). Clinic is every Wednesday from 12:45pm - 5:00pm. Professional dress is required. You will also be assigned to spend time in the clinics of attending staff by the residents.

### Hours

The required hours are 6:00 am until 5:00 pm unless otherwise notified by residents or faculty. It is up to the discretion of the orthopedic resident to dismiss you.

### Weekends

You are not required to work weekends unless the call coverage is such that a Friday call will be needed. If this situation arises, please discuss with senior residents.

### Vacation

Any scheduled vacation or time off should be brought to the attention of the orthopedic resident, chief resident and program director both at the beginning of the rotation and prior to the time off.

## Overview of Rotation and Requirements (cont'd.)

### Call

You are expected to take in-house call during your rotation. Call will be either overnight call, with you going home by 10 am the following morning, or a “short” call, with your leaving the hospital by 8 pm and returning for a normal workday the following day. The decision of overnight versus short call will be decided by the resident staff that evening and shall depend on circumstances that evening and the following day. Number of calls varies according to length of rotation, with at least one call per week.

### Didactics

You are expected to attend all didactic sessions. You should receive the schedule during orientation. A separate copy is posted in the junior office and extras are available through Lori Cropper (614-663-4626).

In addition to the scheduled resident didactic sessions you will have two weekly sessions dedicated to rotating students. One of these will be known as **Ortho 101**. The session will be led by recently retired faculty member, Dr. Stephen Kolodzik and will take place in the “Junior Room.” Dr. Kolodzik will spend an hour from 8 to 9 am every Monday (following fracture conference) to go over x-rays, common orthopedic problems or whatever he and/or the students would like to discuss. This will be an informal educational tool that will be a great asset to your experience at Mount Carmel. Students will also meet weekly for an hour with Dr. Fankhauser for **Ortho 101a**. These will be similar to Dr. Ks sessions but with perhaps some different points of emphasis. **Ortho 101a** will take place at 11 am on Wednesdays.

### Student Presentation

Each student is required to give a ten-minute presentation near the end of the rotation. Faculty or residents will assign topics. A one-page summary sheet and reference list should be submitted at the time of the presentation.

### Evaluation

Please give your resident evaluation(s) to Lori Cropper **a few days before the last day of your rotation** about the resident(s) with which you spent the most time. You may be asked to evaluate the rotation at which time an honest, constructive evaluation will be appreciated. **Please see Monica Climer – Medical Student Coordinator (614-663-4636) prior to leaving on your last day.**

These requirements may be, and may only be, amended by the chief residents or program director.

## Procedures Log

Name \_\_\_\_\_ Dates on service \_\_\_\_\_

Procedure	Observed	Participated	Resident Signature
<b>Floor/ER</b>			
Short arm cast			
Long arm cast			
Short leg cast			
Long leg cast			
Thumb spica cast			
4-5 spica cast			
Cast removal			
Joint aspiration			
Joint injection			
Hematoma block			
Fracture reduction			
Joint relocation			
Digital block			
<b>Surgery</b>			
TKA			
THA			
Hip hemiarthroplasty			
Knee arthroscopy			
Shoulder arthroscopy			
Carpal tunnel release			
Hip fracture ORIF			
Ankle ORIF			
Distal radius/Wrist ORIF			
I & D			

TKA = total knee arthroplasty, THA = total hip arthroplasty, ORIF = open reduction internal fixation, I & D = irrigation and debridement

# Recommended Resources and Readings

## Books:

**\*\*Handbook of Fractures, 3<sup>rd</sup> Ed.**

Koval and Zuckerman. Lippincott ©2005

*Orthopedic Knowledge Update 8, Home Study Syllabus*

Vaccaro MD ed. American Academy of Orthopedic Surgeons ©2005

*Review of Orthopedics, 5<sup>th</sup> Ed.*

Miller MD. Saunders

*Physical Examination of the Spine and Extremities*

Hoppenfeld. Prentice Hall ©1976.

*Orthopedic Secrets, 3<sup>rd</sup> Ed.*

Brown and Neuman. Elsevier ©2003

## Reference Books:

*Skeletal Trauma/Skeletal Trauma in Children, 4<sup>th</sup> Ed.*

Browner et al. /Green et al. Elsevier

*Campbell's Operative Orthopedics, 11<sup>th</sup> Ed.*

Canale et al. Elsevier

*DeLee and Drez's Orthopedic Sports Medicine, 2<sup>nd</sup> Ed.*

DeLee et al. Elsevier ©2002

*Rockwood and Green's Fractures in Adults/Rockwood and Wilkins' Fractures in Children*

Bucholz ed. /Beatty et al eds. Lippincott ©2006.

## Anatomy:

**\*\*Netter's Concise Atlas of Orthopedic Anatomy**

Thompson et al. Elsevier ©2001.

*Surgical Exposures in Orthopedics: The Anatomical Approach, 3<sup>rd</sup> Ed.*

Hoppenfeld and DeBoer. Lippincott ©2003.

## Journals:

*Journal of Bone and Joint Surgery (JBJS)*

*Journal of Orthopedic Trauma (JOT)*

*Journal of the American Academy of Orthopedic Surgeons (JAAOS)*

(Journals are in the medical library and can also be accessed online)

# Attendings

Richard Fankhauser, MD **Program Director**

## **Mount Carmel Attendings (MCGC/MCE/MCSA)**

Jeff Backes, M.D. (sports/shoulder)

Brent A. Bickel, M.D. (hand)

Bryan T. Chambers, M.D. (hip and knee reconstruction)

Brian L. Davison, M.D. (trauma)

Craig Dimitris, M.D. (hand)

Jonathan B. Feibel, M.D. (foot and ankle)

Jason Ferrel, M.D. (spine)

Richard A. Fischer, M.D. (shoulder)

Ty Fowler, M.D. (trauma, THA)

Steven T. Gaines, M.D. (general/sports)

Robert T. Gorsline, M.D. (foot and ankle)

David Hannallah, M.D. (spine)

John Hwang, M.D. (trauma)

John Johansen M.D. (shoulder/elbow)

Stephen Kolodzik, M.D. (gen ortho/shoulder)

Robert Martin, M.D. (sports)

Graham Pallante, M. D. (adult recon.)

Joel R. Politi, M.D. (hip and knee reconstruction)

James E. Popp, M.D. (hand)

Scott Shemory, M.D. (sports)

Robert N. Steensen, M.D. (knee)

Robert C. Turner, M.D. (general)

Michael B. Williard, M.D. (general/shoulder)

Raymond K. Wurapa, M.D. (hand)

## **Nationwide Children's Hospital Attendings**

Walter Samora, M.D.

Allan Beebe, M.D.

Kevin Klingele, M.D.

Craig Smith, M.D.

Jan Klamar, M.D.



## 2021 – 2022 Residents/Interns

### **PGY - 5**

Paul Rutkowski, M.D. (Wright State Univ.)

Cody Stover, M.D. (Marshall Univ.)

### **PGY – 4**

Alex Savage, M.D. (Univ. of Toledo)

Valeri Wolf, M.D. (Univ. of Louisville)

### **PGY – 3**

Vibhatsu Amin, M.D. (NEOMED)

Hunter Spitz, M.D. (Wright State Univ.)

### **PGY – 2**

Steven Irmeger, M.D. (East Tennessee State)

Zachary Sirois, M.D. (Wright State Univ.)

### **PGY-1**

Allison Martin, M.D. (Univ. Of Toledo)

Joey Long, M.D. (O.S.U.)

## Important Phone Numbers

<b>Residents</b>	<b>Pager Number</b>
Paul Rutkowski, M.D.	303-5757
Cody Stover, M.D.	303-5756
Alex Savage, M.D.	303-5760
Valeri Wolf, M.D.	303-5754
Vibhatsu Amin, M.D.	303-5753
Hunter Spitz, M.D.	303-5759
Steven Irmeger, M.D.	303-5752
Zachary Sirois, M.D.	303-5758
Allison Martin, M.D.	303-5751
Joey Long, M.D.	303-5755

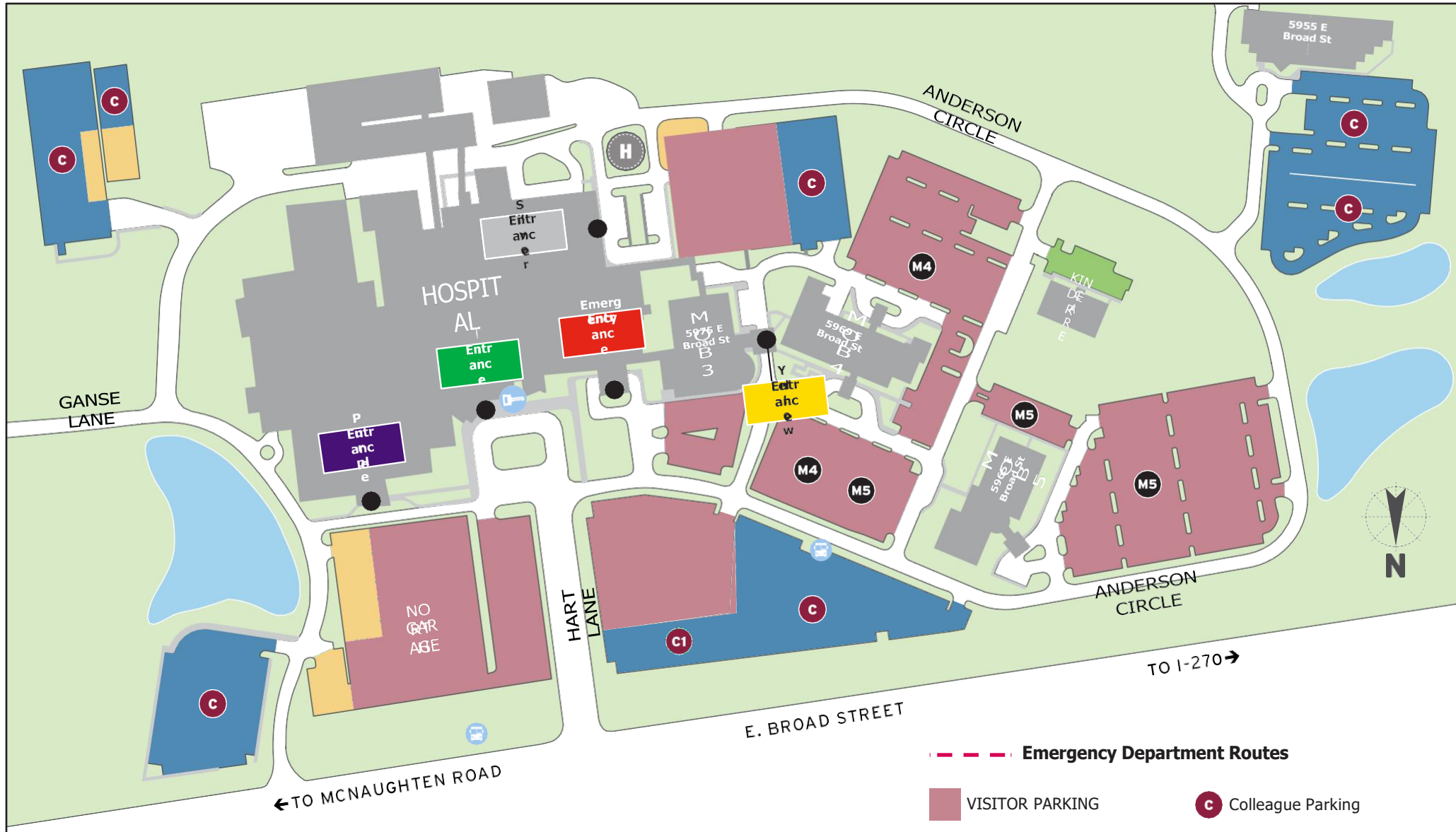
Mount Carmel Grove City Operator: 663-5000  
Lori Cropper: **Program Administrator** 663-4626

MCGC Clinic: 663-4550

- \* Dial "2" for in-house calls at MCGC.
- \* You must dial a "9" first when using hospital phones to call outside numbers.
- \* Mount Carmel East operator dial 614-234-6000.
- \* Dial "5" for in-house calls at MCE.

# Mount Carmel East Colleague Parking

**FOR INTERNAL USE ONLY**



**Emergency Department Routes**

- VISITOR PARKING
- COLLEAGUE PARKING
- Health
- 
- C Colleague Parking
- C1 Orientation
- M4 COTA BUS STOP\*VALET
- M5 STAND



 to construction. Check @MC for updates.  
 A Member of Trinity

\*COTA bus stops subject to change due

PHYSICIAN PARKING KINDERCARE

PARKING

MOB 4 Parking

MOB 5 Parking

# Map of Mount Carmel Grove City Hospital

## MOUNT CARMEL GROVE CITY | MAIN CAMPUS MAP FLOOR 1



5300 North Meadows Drive  
Grove City, Ohio 43123  
614-663-5000



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# MOUNT CARMEL GROVE CITY | BUILDING LOCATIONS MAP

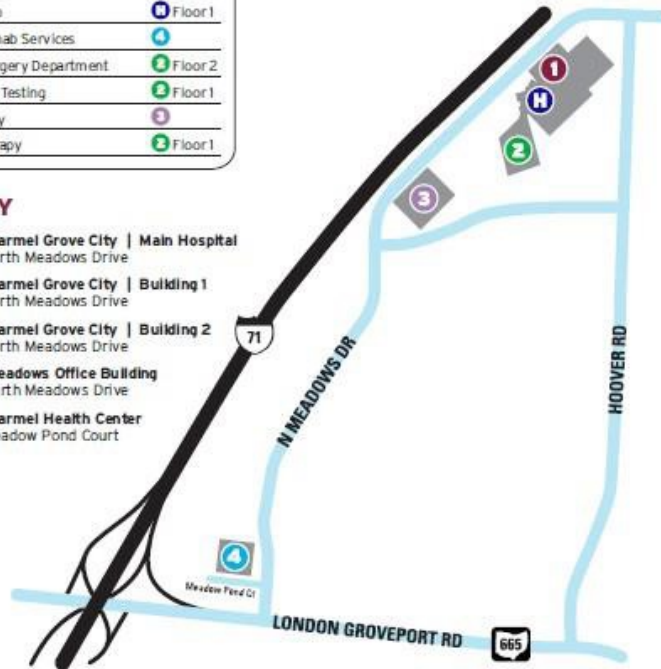
DESTINATION	BUILDING & FLOOR
Administration	1 Floor 1
Cancer Center	2 Floor 1
Cardiac Rehab	1 Floor 2
Cardiovascular Imaging Lab (CVIL)	H Floor 2
Central Ohio Surgical Associates (COSA)	3
Chapel	H Floor 1
Columbus OBGYN	3
Conference Center	H Floor 1
Emergency Department	H Floor 1
Endoscopy	H Floor 2
Family Lounges - Surgery	H Floor 2
Financial Services	H Floor 1
Gift Shop	H Floor 1
Hamilton Coffee Cafe	H Floor 1
Hawkes Cafe	H Floor 1
Inpatient Rehab Services	H Floor 5
Interventional Radiology	H Floor 2
Maternal Fetal Medicine	H Floor 1
Maternity Center	H Floor 3
Medical Records	3 Floor 5
Mount Carmel Anticoagulation Center	1 Floor 2
Mount Carmel Breast Surgery	2 Floor 3
Mount Carmel Central Ohio Pulmonary & Sleep	2 Floor 3
Mount Carmel Grove City Primary & Specialty Care Physicians	3 Floor 4
Mount Carmel Heart & Vascular Center	1 Floor 2
Mount Carmel Medical Group Grove City	4
Mount Carmel Neurology	1 Floor 1
Mount Carmel Neurosurgery	1 Floor 1
Mount Carmel Obstetrics & Gynecology	2 Floor 3
Mount Carmel Pain Management	3
Mount Carmel Urogynecology & Pelvic Floor	3 Floor 3

DESTINATION	BUILDING & FLOOR
Mount Carmel Wound Care Center	3
Neurodiagnostics	H Floor 2
NeuroPsychology	1 Floor 1
Newborn Intensive Care Unit	H Floor 3
Nuclear Medicine	H Floor 2
Orthopedic ONE	3
Outpatient Infusion	2 Floor 1
Outpatient Lab	H Floor 1
Outpatient Rehab Services	4
Outpatient Surgery Department	2 Floor 2
Pre-Admission Testing	2 Floor 1
Premier Allergy	3
Radiation Therapy	2 Floor 1

DESTINATION	BUILDING & FLOOR
Registration	H Floor 1
Security	H Floor 1
Spiritual Care	H Floor 1
Surgery Department	H Floor 2
Volunteer Services	H Floor 1
Women's Health Center	2 Floor 2

## MAP KEY

- H** Mount Carmel Grove City | Main Hospital  
5300 North Meadows Drive
- 1** Mount Carmel Grove City | Building 1  
5300 North Meadows Drive
- 2** Mount Carmel Grove City | Building 2  
5300 North Meadows Drive
- 3** North Meadows Office Building  
5500 North Meadows Drive
- 4** Mount Carmel Health Center  
3000 Meadow Pond Court



## Internship and Residency at Mount Carmel Hospital

Mount Carmel Health System participates in the ERAS system for residency positions. All applicants must register for the match to be eligible for residency at Mount Carmel. There are 2 positions available each year. The internship and residency are linked. Therefore, upon satisfactory completion of your PGY 1 year, you will automatically begin orthopedic surgery residency. The orthopedic surgery residency lasts 4 years, for a combined total of 5 years of post-graduate medical education. Most orthopedic fellowships (spine, total joints, sports medicine, etc.) are 1 year.

It is assumed that students participating in an orthopedic elective at Mount Carmel between June and October are seeking orthopedic residency positions via the match process. Orthopedic surgery is very competitive across the nation and Mount Carmel is no different. We seek and have been able to attract highly qualified students to our program.

**We will not necessarily strongly consider or grant formal interviews to all rotating students.**

### Typical schedules

**PGY-1 year:** 6 months ortho (including 1 month at NCH), 1 month plastics, 1 month ER, 1 month gen surgery, 1 month trauma, 1 month anesthesia, 1 month vascular.

**PGY-2 year:** 6 month general ortho, 3 months general ortho AND foot and ankle, 3 months basic science/spine

**PGY-3 year:** 6 months basic science/anatomy, 3 months general ortho/trauma, 3 months hand

**PGY-4 year:** 6 months pediatrics, 3 months knee/shoulder, 3 months adult recon (hip/knee)

**PGY-5 year:** 12 months of chief responsibilities, elective rotations

If you have further questions about medical education or orthopedic surgery at Mount Carmel Hospital, please go to our website:

**[WWW.GME.MCHS.COM](http://WWW.GME.MCHS.COM)**

or contact:

Lori Cropper

Orthopedic Surgery Residency Program Administrator

Ofc#: 614-663-4626

Em: [lcropper@mchs.com](mailto:lcropper@mchs.com)

## Notes



## Notes