

---

# **University of Iowa Interventional Cardiology Fellowship Program Information**

2025

# Why the University of Iowa for your Interventional Cardiology Fellowship?

The University of Iowa provides a broad and balanced experience in both coronary and structural interventional procedures in a one-year interventional fellowship program.

Coronary procedures run the gamut of modern complex, high-risk procedures, including left main PCI, bifurcation PCI techniques, use of atherectomy devices, intracoronary imaging, and supported PCI, including ECPR.

Fellows also gain extensive exposure to structural heart procedures, enabling subsequent pursuit of advanced fellowships or direct adoption of a number of these specialized procedures into practice without requiring an additional fellowship year.

# UI Core Faculty

---



Nicholas Walker, MD  
Coronary



Phillip Horwitz, MD  
Structural



James Rossen, MD  
Structural

Jason Allen, MD  
Structural



Vikram Sharma, MBBS  
Coronary



Yehia Saleh, MD  
Coronary



# Clinical Experiences

---

- Fellows perform coronary procedures at both the University of Iowa MCU cath lab and the Iowa City VAMC cath lab
  - Both labs are staffed by University of Iowa attending interventional cardiologists and VAMC is just across the street from the MCU campus
- Fellows attend a weekly outpatient clinic with one of our interventional or structural heart faculty to enable exposure to complex patients
  - Clinics will rotate halfway through the year to allow you the chance to work with multiple faculty
- Fellows share call duty and will take approximately half of the calls each
  - STEMI program includes ECPR program
  - Coverage arranged for vacations, conferences, medical leave, family leave

# Clinical Conferences

---

- **Cardiology Grand Rounds**
  - Mondays 12-1pm
- **Interventional Cardiology Clinical Conference**
  - Wednesday Mornings 7-8am
- **Cardiac Surgery (CT)/Cardiology Combined Conference**
  - Thursday 7-8am
- **Internal Medicine Ground Rounds**
  - Thursdays 12-1pm
- **Interventional Cardiology & Acute Cardiac Care Journal Club**
  - Monthly
- **Interventional Cardiology Board Review**
  - Bi-monthly

# Iowa Health Care Medical Center University (MCU)

Iowa Health Care is the sole comprehensive academic medical system in the state of Iowa

- MCU has 889 beds
  - 24 CVIUC Beds
  - 47 Med-Surg Cardiology Beds
- 1,200 Physicians
- 62 Cardiologists
  - 45 Clinical Cardiologists
  - 17 Research Cardiologists

## Services offered include:

### Heart and Vascular Services

- General Cardiology
- Interventional Cardiology
- Cardiac Surgery
- Electrophysiology
- Heart Failure
- Pediatric and Adolescent Cardiology
- Vascular Surgery

### Holden Comprehensive Cancer Center

### Pulmonology

# Catheterization Laboratory Facilities

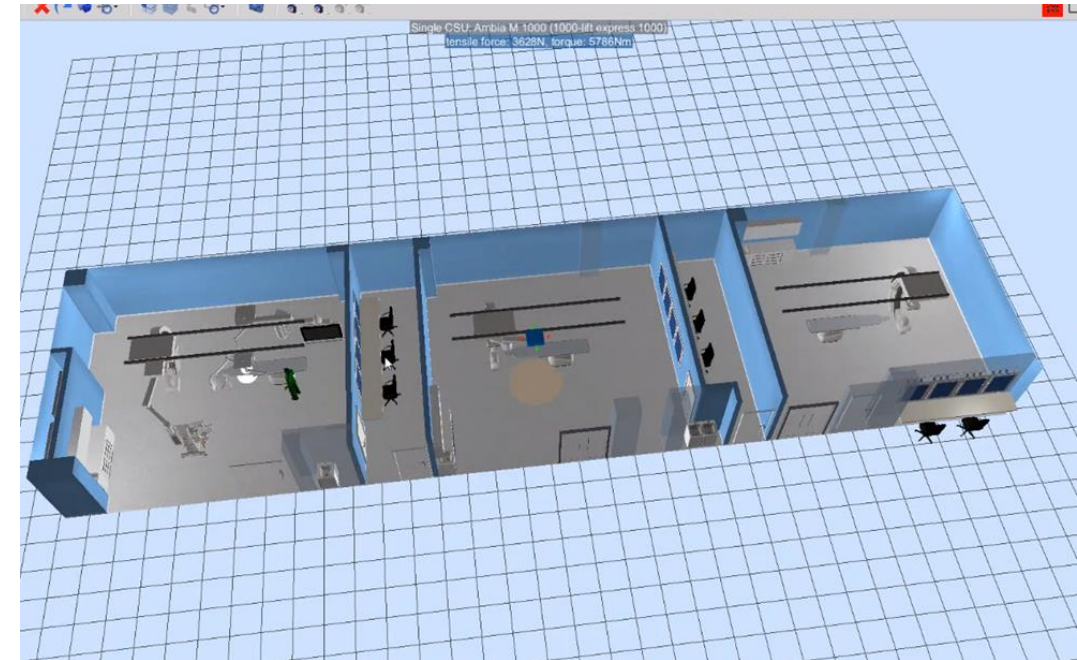
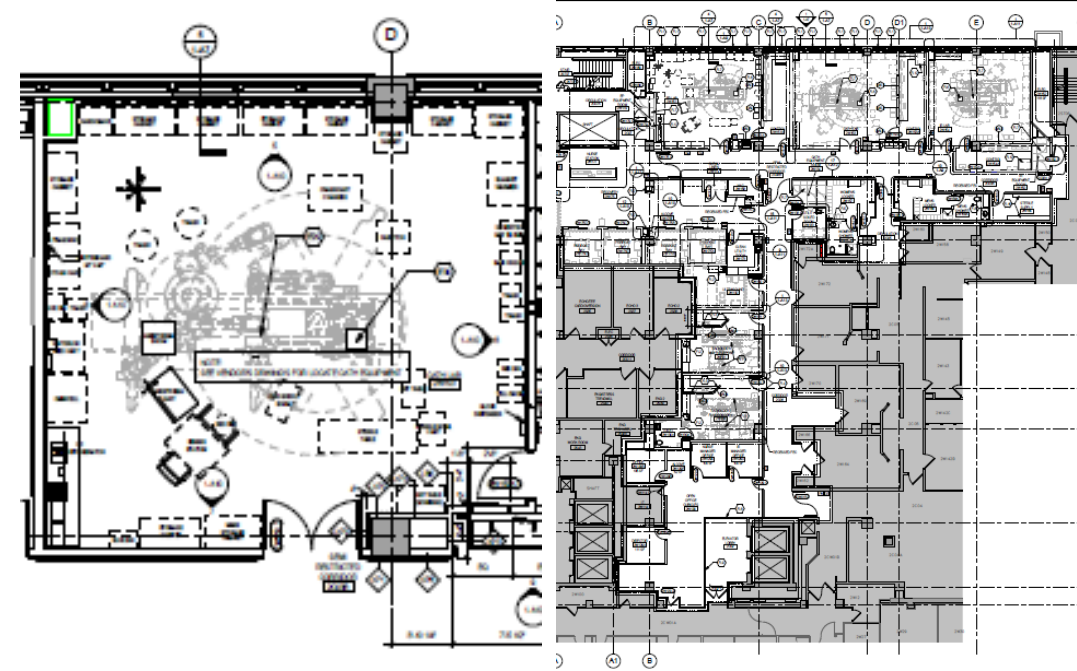
- UI MCU lab was remodeled in 2023
  - Seven total labs
  - Three labs dedicated to coronary and structural procedures
  - Philips Azurion FlexArm and biplane imaging systems
  - ACIST CVi and manual coronary injection systems
  - Rotational, laser and lithotripsy atherectomy systems
  - MCS options including Impella, Impella-RP, ECMO and Tandem Heart





# Catheterization Laboratory Facilities, VA

- IC VAMC lab remodeled in 2025
  - Three total labs
  - Dedicated coronary lab
  - Seimens Artis Q biplane imaging system
  - ACIST CVi coronary injection system
  - Rotational and lithotripsy atherectomy
  - Outpatient and inpatient procedures
  - Overnight coverage provided at UI MCU simplifying nighttime call





# Three-year Rolling Average Procedure Volumes

## Coronary

PCI	557
Atherectomy	59
Chronic Total Occlusion PCI	17
Intra aortic balloon pump	97
Impella Insertion	35
PA mechanical thrombectomy	13

## Structural

TAVR	154
LAA appendage closure	73
MitraClip/ mitral repair	14
PFO/ASD Closure	36
TMVR- mitral replacement	4

# 2022-2023 Procedural Volume by Fellow

Fellow A	
PCI	276
Atherectomy	17
Chronic Total Occlusion	9
Intra aortic balloon pump	36
Impella Insertion	17
PA mechanical thrombectomy	4
TAVR	93
TMVR- mitral replacement	3
MitraClip/ mitral repair	14
LAA appendage closure	43
PFO Closure	16

Fellow B	
PCI	262
Atherectomy	25
Chronic Total Occlusion	9
Intra aortic balloon pump	47
Impella Insertion	19
PA mechanical thrombectomy	4
TAVR	68
TMVR- mitral replacement	2
MitraClip/ mitral repair	15
LAA appendage closure	33
PFO/ASD Closure	11

# 2023-2024 Procedural Volume by Fellow

Fellow A	
PCI	391
Atherectomy	44
Chronic Total Occlusion	28
Intra aortic balloon pump	43
Impella Insertion	19
ECMO initiation	2
PA mechanical thrombectomy	4
TAVR	80
TMVR- mitral replacement	1
MitraClip/ mitral repair	13
LAA appendage closure	38
PFO/ASD Closure	20

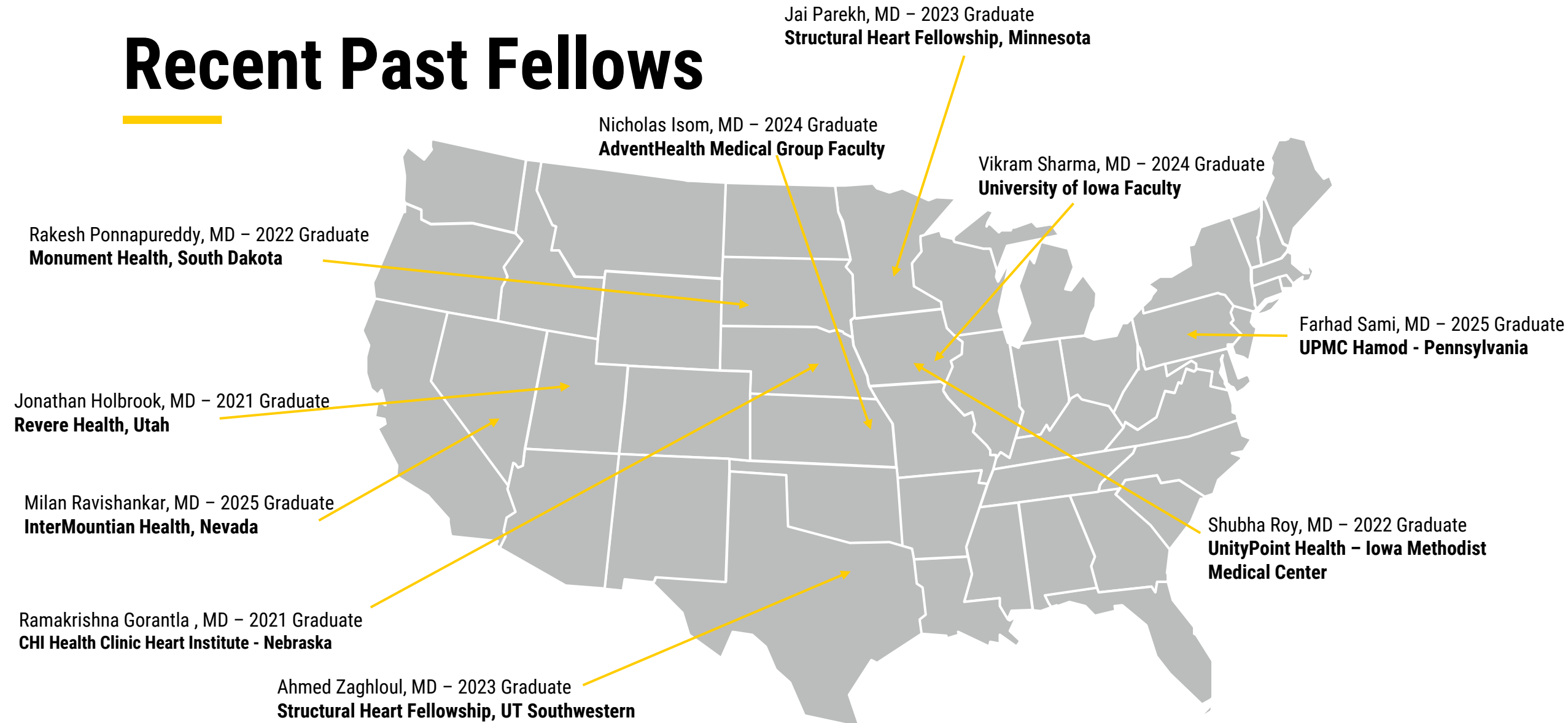
Fellow B	
PCI	378
Atherectomy	34
Chronic Total Occlusion	25
Intra aortic balloon pump	45
Impella Insertion	20
ECMO initiation	2
PA mechanical thrombectomy	4
TAVR	66
TMVR- mitral replacement	2
MitraClip/ mitral repair	5
LAA appendage closure	43
PFO/ ASD Closure	31

# 2024-2025 Procedural Volume by Fellow

Fellow A	
PCI	416
Atherectomy	32
Chronic Total Occlusion	20
Intra aortic balloon pump	46
Impella Insertion	31
ECMO initiation	5
PA mechanical thrombectomy	12
TAVR	84
MitraClip/ mitral repair	13
LAA appendage closure	31
PFO/ASD Closure	20

Fellow B	
PCI	324
Atherectomy	25
Chronic Total Occlusion	2
Intra aortic balloon pump	28
Impella Insertion	18
ECMO initiation	-
PA mechanical thrombectomy	11
TAVR	70
MitraClip/ mitral repair	-
LAA appendage closure	32
PFO/ ASD Closure	17

# Recent Past Fellows



# Living in Iowa City

---

- Population 75, 678 (2023)
  - Metro area 171, 491
  - UI Students total 32,199
- Iowa City is a designated Bicycle Friendly Community
- Consistently ranked as a top place to live (Livability, Conde Nast Traveler, USA Today)
  - Noted for offering a low cost of living, excellent healthcare, high quality education, and for being walkable and bike-friendly, especially downtown
- University of Iowa and Iowa Health Care are top 2 employers
  - School district and VA Health Administration are 3 and 4



# Living in Iowa City

---

- Iowa City Area Schools
  - City High, Liberty High, and West High are ranked **in the top 10 high schools** in Iowa by the U.S. News and World Report.
  - Full-day and half-day preschool programs in all of our elementary schools. Every preschool teacher is certified in both general and special education, ensuring comprehensive support for all students.
  - Regina Catholic Education Center is also a highly rated private school in the Iowa City area serving over 900 students throughout the 14 grades.
    - Additional private schools include other religious, Montessori and arts-focused options
- Cost of Living is 7.4% below national average
  - Housing costs are 21.2% below national average
- Community is highly educated
  - 58% of adult population hold a bachelor's degree or higher (national average 38%)

# Living In Iowa City

## Helpful links from University of Iowa Health Care

---

- [Entertainment, culture, and dining](#)
- [Housing in Iowa City](#)
- [Staying active in Iowa City](#)
- [Hospital Campus](#) (map)

# Iowa City Fun Facts

---

- Iowa City is one of 2 United Nations Educational, Scientific and Cultural Organization (UNESCO) Cities of Literature in the US and was the 3<sup>rd</sup> city worldwide to receive the designation.
- Iowa City was the original capital city of the State of Iowa; the Old Capitol is a National Historic Landmark and remains a prominent feature in the University of Iowa Pentacrest
- The University of Iowa was the first public university in the US to admit men and women on an equal basis.
- Over 9,000 people walk through the downtown Iowa City pedestrian mall daily
- UI Writers Workshop is the oldest writing program offering a Master of Fine Arts (MFA) degree in the US; 30 alumni and former faculty have won Pulitzer's and 10 have been US Poets Laureate.
- The Devonian Fossil Gorge at Coralville Lake provides a glimpse into Iowa's geologic past and is like walking across a 375-million-year-old ocean floor; the fossils in the gorge are almost 200 million years older than the dinosaurs.

# Iowa Fun Facts

---

- Iowa has more golf courses per capita, than any other state.
- Iowa has over 100 wineries that produce about 40 varieties of wine. Wine tourism attracts more than 400,000 visitors every year.
- RAGBRAI, the longest, largest, and oldest recreational bicycle touring event in the world, has been held in Iowa annually since 1973.
- Iowa is the only state bordered by two navigable rivers: the Missouri River to the west and the Mississippi River to the east.
- Le Mars, Iowa, known for its Blue Bunny Ice Cream, is officially the Ice Cream Capital of the World.
- Iowa is home to 150 breweries, with five located in the Corridor.

---

# Questions?

→ [uihc.org](https://uihc.org)



Nicholas Walker, MD  
Program Director  
[Nicholas-walker@uiowa.edu](mailto:Nicholas-walker@uiowa.edu)

Mallory Ruden  
Program Coordinator  
[Mallory-ruden@uiowa.edu](mailto:Mallory-ruden@uiowa.edu)