Clinical Cardiac Electrophysiology Fellowship

Mayo Clinic Arizona
2021 Interview Season

Dan Sorajja, MD, FACC, FHRS
Program Director
The 3 Shields of Mayo Clinic

Patient Care

Primary value:

“The needs of the patient come first”
“The best interest of the patient is the only interest to be considered and in order that the sick may have the benefit of advancing knowledge, union of forces is necessary.”

-W.M. Mayo
Mayo Clinic Mission

“To inspire hope and contribute to health and well-being by providing the best care to every patient through integrated clinical practice, education and research”
Mayo Clinic is...

The first and largest integrated, not-for-profit medical group practice in the world.
1987 –
Mayo Clinic expanded to Scottsdale, AZ
1989 – Mayo Graduate School was established
1998 -
Mayo Clinic Hospital opened in Phoenix, AZ
Mayo Clinic Today

6 US STATES
5 SCHOOLS
65,000 EMPLOYEES
1.3 million UNIQUE PATIENTS from every state & 143 countries
$14 billion ENTERPRISE REVENUE all income reinvested
Mayo Clinic Arizona

- 100,000 patients/year
- 557 staff physicians
- 65 specialties
- 224 residents & fellows
- 6,223 total employees

Campuses
- Phoenix
- Scottsdale
- Glendale
- Thunderbird
- San Tan
Mayo Clinic is one of the best-known and most-trusted names in medicine throughout the world.

More than one million people receive care at Mayo Clinic locations each year, and millions more benefit from innovations and discoveries that provide answers, healing and hope.
2021-2022
US News and World Report Rankings

Highlights of the 2021-22 U.S. News & World Report Best Hospitals Rankings

• Arizona is No. 15 on the Honor Roll.
• Arizona nationally ranked in 10 data-driven specialties
• Rochester is No. 1 on the Honor Roll.
• Rochester is nationally ranked in 14 adult specialties

For cardiology –
Mayo Arizona is nationally ranked #22 (#1 in Arizona - 8 years in a row)
Mayo Rochester is nationally ranked #2
Future Mayo Clinic Arizona

- Expansion to include additional:
  - 94 inpatient beds including 18 incremental Critical Care beds
  - 5 ORs, expansion of pre-op, PACU, Surgical Pathology
  - 31 incremental ED beds adjacent to Observation Unit
  - 2 CT, 2 MRI, and Radiology support
Goals of Mayo GME

• Prepare physicians and scientists to meet the nation’s evolving health needs

• Ensure that the medical students, biomedical graduate students, residents, fellows, faculty, and health care workforce are diverse and culturally competent

• Advance medical knowledge, therapies, and technologies to prevent disease, alleviate suffering, and improve quality of life
Mayo School
GME Quick Facts

• Arizona GME
  • 224 residents and fellows
  • 153 residents in accredited programs
  • 61 fellows in accredited programs
  • 10 fellows in unaccredited programs
  • 50 current active programs

• All of Mayo GME
  • 305 total programs
  • 1827 total trainees
WHO IS DOING THE TEACHING?
CCEP Faculty

Dan Sorojja, MD
Program Director (PD), CCEP
Associate Prof. of Medicine

Hicham El-Masry, MD
Associate Program Director
Assistant Prof. of Medicine

Luis Scott, MD
Prior PD, CCEP
Chair, CV Diseases
Associate Prof. of Medicine

Win-Kuang Shen, MD
Prior Chair, CV Diseases
Prof. of Medicine

Komandoor Srivathsan, MD
Prior PD, CCEP
Prof. of Medicine

Arturo Valverde, MD
Assistant Prof. of Medicine
EP Division Chair

Justin Lee, MBBS
Assistant Prof. of Medicine
CCEP Faculty

Dan Sorajja, MD
38 articles
12 book chapters

Hicham El-Masry, MD
12 articles
1 book chapter

Luis Scott, MD
50 articles
1 book chapter

Win-Kuang Shen, MD
290 articles
44 book chapters

Komandoor Srivathsan, MD
75 articles
4 book chapters

Arturo Valverde, MD
5 articles

Justin Lee, MBBS
42 articles
3 book chapters
The Teaching

- **Tuesday morning**
  - Device programming and troubleshooting
  - Classic EP physiology and in-depth article review

- **Wednesday morning**
  - EP grand rounds
  - Case presentations
  - Journal club
  - Morbidity and mortality

100 + didactic hours every year
Clinical Workload

- EP lab: 4 days per week
- Continuity Clinic: ½ day per week
- Device Clinic: ½ day per week
  - Outpatient during 1st year
  - Inpatient during 2nd year
- Weekend call: 1 weekend per month
- Away rotations
  - Phoenix Children's Hospital, 1 month during 2nd year
  - Mayo Clinic Jacksonville, 1 month during 2nd year
  - Other electives are available
- Research block: 2 months total
  - Can be taken 1 week at a time throughout fellowship
- Case presentations about 1 per month
Benefits

• Salary:
  • PGY 7: $76445
  • PGY 8: $79396

• Meal Stipend

• Vacation:
  • 15 days annually + 6 Mayo holidays
  • Can roll over 5 days to next year

• Paid parental leave: 5 days

• Comprehensive medical care and dental plan
  • PCP provided within 30 days of starting

• FREE parking (including a parking garage)

• We care about your well-being
Other Perks – Trips / Meetings

• Presentations
  • 10 trip days (National and International)

• Attendance
  • 1 local attendance conference per year (up to 5 days)
  • 1 national attendance conference per year
  • Heart Rhythm Society Scientific Sessions in May
  • Annual EP course in December
  • Annual Sedona Cardiology Conference in August
  • Heart Rhythm Society board review course
  • Industry sponsored conferences
Other Perks – EP Library Books

<table>
<thead>
<tr>
<th>Textbook</th>
<th>Editor and Authors</th>
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<tbody>
<tr>
<td>Intracardiac EGMs</td>
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<tr>
<td>A Case-Based Approach to Pacemakers, ICDs, and Cardiac Resynchronization</td>
<td>Ed. by Friedman PA et al.  2013.</td>
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<tr>
<td>Anatomy for Cardiac Electrophysiologists: A Practical Handbook</td>
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<td>Evidence-Based Cardiology</td>
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<td>Syncope: Mechanisms and Management</td>
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<tr>
<td>Handbook of Cardiac Electrophysiology. A Practice Guide to Invasive EP</td>
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<td>Studies and Catheter Ablation</td>
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<td>Implantable Cardioverter-Defibrillators. Step by Step. An Illustrated</td>
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<td>Guide</td>
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<td>Heart and Coronary Arteries: An Anatomical Atlas for Clinical Diagnosis,</td>
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<td>Radiological Investigation, and Surgical Treatment</td>
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<td>Case Studies in Clinical Cardiac Electrophysiology</td>
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<td>Clinical Arrhythmology and Electrophysiology. A Companion to Braunwald’s</td>
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<td>Heart Disease</td>
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<tr>
<td>Fluoroscopy Reduction Techniques for Catheter Ablation of Cardiac</td>
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<td>Arrhythmias</td>
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Other Perks

• Online access to:
  • Cardiosource
  • UpToDate
  • ACC SAP
  • K2P
  • Mayo Clinic library online access to hundreds of journals

• One book: Case Studies in CCEP (Miller et. al)

• $1200 for library use

• Special invitations for outside courses offered at no charge
## Where Are Our Graduates Now?

<table>
<thead>
<tr>
<th>Program Dates</th>
<th>Fellow</th>
<th>Current Location</th>
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<tbody>
<tr>
<td>June 2007 – June 2008</td>
<td>Erik Wissner</td>
<td>University of Illinois; Chicago, IL</td>
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<tr>
<td>June 2008 – June 2009</td>
<td>Daniel Ng</td>
<td>Kaiser Permanente; Walnut Creek, CA</td>
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<tr>
<td>June 2009 – June 2010</td>
<td>Sandeep Arora</td>
<td>Excela Health; Greensburg, PA</td>
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<tr>
<td>Sept 2010 – August 2011</td>
<td>Sushmitha Patibandla</td>
<td>Banner Estrella, Phoenix; AZ</td>
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<tr>
<td>July 2011 – August 2012</td>
<td>Vatsal Inamdar</td>
<td>Village Heart &amp; Vein Center; Lady Lake, FL</td>
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<tr>
<td>June 2012 – June 2014</td>
<td>Fernando Tondato</td>
<td>Mr. Talbert Medical; Clackamas, OR</td>
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<tr>
<td>June 2014 – June 2016</td>
<td>Jeffrey Munro</td>
<td>Phoenix Heart; Glendale, AZ</td>
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<tr>
<td>June 2015 – June 2017</td>
<td>Narendra Duddyala</td>
<td>LSU Health; Shreveport, LA</td>
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<tr>
<td>July 2016 – June 2018</td>
<td>Naktal Hamoud</td>
<td>Memorial Hermann TMC; The Woodlands, TX</td>
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<tr>
<td>July 2017 – June 2019</td>
<td>Victor Abrich</td>
<td>MercyOne Waterloo; Waterloo, IA</td>
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<tr>
<td>July 2018 – June 2020</td>
<td>Vatsal Ladia</td>
<td>Self Regional Healthcare, Greenwood, SC</td>
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<tr>
<td>July 2019 – June 2021</td>
<td>Nareg Minaskeian</td>
<td>Southwest Cardiovascular Associates, Mesa, AZ</td>
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- **2 year fellowship**
- **Academic appointments**
Cardiovascular Diseases at Mayo Clinic Arizona
Cardiology Attending Staff and Fellows

- 34 staff
  - 7 EP
  - 12+ Echo/imaging
  - 4 Interventional
  - 5 CHF
  - 2 Adult congenital
  - 1 Vascular
  - 10 General
  - 2 PhD

- Other Cardiology Fellows
  - 12 General cardiology
  - 1 Echo
  - 1 CHF
  - 2 NP Cardiology fellows
  - 2 EP fellows (including yourself)
General Cardiology Conferences

- Summer core curriculum
- Cardiology Grand Rounds weekly
- Internal Medicine Grand Rounds weekly
- Professor rounds weekly
- ECG conference bi-monthly
- Weekly case presentation conference
  - Cath, EP, echo
- Board review / Journal club bi-monthly
- Vascular conference
Other Things You Should Know
Diversity

The Mayo Foundation values and promotes diversity as a strategic advantage to create a caring service environment where individual differences are valued, allowing all staff to contribute to the fullest potential.
Life in Phoenix

- 5th Largest city in US
- 1.6 million population in Phoenix
- 4.5 million in Phoenix metro
- 310 sunny days per year
  - (More sunny days than any other major metropolitan area)
- Cost of living is 5% lower than national average

Meet Phoenix/Scottsdale, Arizona
Life in Phoenix

• Hiking, Biking, & Equestrian trails
  • Largest municipal park in North America –
    • South Mountain Park and Preserve is 16,500 acres big
  • Sedona
  • Grand Canyon
  • Page

• 6 Lakes within 75 miles
Life in Phoenix

• Barrett Jackson car show
• Museums
  • Musical Instrument Museum
  • Heard Museum
  • Desert Botanical Garden
  • Taliesin West
• Every concert tour
Life in Phoenix - Sports

- Waste Management Golf Open
- Cactus League MLB Spring Training (15 teams + Arizona Diamondbacks)
- Phoenix Suns basketball
- Arizona Cardinals Football
- Arizona Coyotes hockey
- Nascar (2 events)
- 200+ golf courses
- College sports
The End

- Life is good here
- For your EP training, the opportunity to train here is one to take