

# JOSHUA WILLIS, MD FACC, FSCAI

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## Professional Summary

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Successful Interventional Cardiologist skilled at assessing conditions and devising treatments in line with latest research and treatment protocols. Proficient in complex percutaneous coronary intervention, Impella implantation for management of cardiogenic shock, Swan Ganz tailored therapy of advanced heart failure patients, complex medical decision making implementing diagnostic testing and multidisciplinary collaborative management for the care of critically ill patients. Builds rapport with patients and physician colleagues to facilitate cutting edge evidence-based care.

## Affiliations

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- Fellow in the American College of Cardiology (FACC)
- Fellow in the Society of Cardiovascular Angiography and Intervention (FSCAI)

## Certifications

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- American Board of Internal Medicine (ABIM)
- Cardiovascular Disease, initially certified 2010, certified through 12/31/2030
- ABIM Interventional Cardiology, initially certified 2011, certified through 12/31/2031
- Advanced Cardiac Life Support Certified
- Basic Cardiac Life Support Certified

## Skills

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- Complex Percutaneous Coronary Intervention
- Invasive Hemodynamic Assessment
- Impella Implantation
- Shockwave Balloon Lithotripsy
- IVUS Performance and Interpretation for all PCI
- FFR, DFR and iFR for Lesion-Specific Assessment of Hemodynamic Significance
- Temporary Transvenous Pacemaker Implantation
- Pulmonary Embolism Management
  - EKOS
  - Inari Thrombectomy
- Echocardiography Interpretation
- Pericardiocentesis
- 20+ Years of Bedside Patient Evaluation and Treatment

## Accomplishments

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Disease Specific Certificate of Distinction for Chest Pain, The Joint Commission	2019
Disease Specific Certificate of Distinction for PCI, The Joint Commission	2019
Georgia Department of Public Health Emergency Cardiac Care Center (ECCC) Level II Designation (highest achievable level without an open heart program)	2020
Disease Specific Certificate of Distinction for Primary Heart Attach Center (PHAC)	2022

## Work History

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Interventional Cardiologist and Medical Director 2016 - Present  
Wellstar Douglas Hospital, Douglasville, GA

- Serving as Medical Director Cardiac Catheterization Laboratory since Jan 2019
- Interfaced with community leaders to improve recognition of cardiac services available locally, improving access to health care and cardiac catheterization volume.

- Integral role in obtaining certifications:
  - Primary Heart Attack Center (PHAC)-certified by Joint Commission and American Heart Association
  - Emergency Cardiac Care Center (ECC)-Designated by Georgia Department of Public Health-Level 2, performing Interventional Cardiac Catheterization procedures
- Collaboratively planned and implemented operational strategies in alignment with organizational mission, vision, and goals.
- Led the development and implementation of Wellstar Douglas Pulmonary Embolism Response Team (PERT).
- Oversaw implementation of ShockWave balloon lithotripsy.
- Routinely leads Wellstar health system in National Cardiovascular Data Registry (NCDR) quality metrics.
- Practicing inpatient and outpatient cardiovascular medicine including
  - Percutaneous Coronary Intervention
  - Impella Implantation
  - Invasive Hemodynamics
  - Temporary Pacemaker Implantation
  - Pericardiocentesis
- Implementation of lifestyle recommendation protocols to improve health outcomes through the reduction of patients' risk of heart disease.
- Collaborated with colleagues and other staff to develop policies and procedures for cardiac care.
- Delivering attending and consultation services to patients to diagnose and treat cardiology conditions.
- Responded promptly in writing to referral source with clinical findings and suggested plan of care.
- Procedural Statistics:
  - 958 Total Percutaneous Coronary Interventions
  - Leading Health System Metrics for Door to Reperfusion < 90 minutes
  - 3-Year Track Record of Leading Health System Metrics for Heart Failure Get with the Guidelines (GWTG)
- Leadership of New Procedures and Programs at Wellstar Douglas
  - EkoSonic Endovascular System (EKOS), April 2021
  - Shockwave, June 2021
  - Inari FlowTrieve Pulmonary Embolism Aspiration System, October 2022

Interventional Cardiologist

2011-2016

Diagnostic Cardiology Group, Chattanooga, TN

- Collaborated on strategic planning and kept practice operations aligned with organizational mission, vision, and goals as full partner.
- Took over established practice, quadrupling office patient volume within six months.
- Led both inpatient and outpatient cardiac care to diagnose and treat conditions such as Acute Myocardial Infarction, Cardiogenic Shock, Acute and Chronic Heart Failure, Atrial Fibrillation/Flutter.
- Procedural Volume:
  - > 2,000 Diagnostic cardiac catheterization
  - > 800 Percutaneous Coronary Intervention
  - > 55-70 Monthly New office referrals
  - > 7,000 Echocardiograms interpreted

Cardiology Interventional Fellow

2010-2011

University Of Florida, Gainesville, FL

- Stayed up to date on latest research regarding indicators of heart disease and treatment options.
- Led 16 Interventional Cardiology Conferences discussing actual patient cases, evidence-based medicine approaches and interpretation of primary data.
- Completed daily rounds with patients to check conditions and adjust treatment plans. Addressed life-threatening heart problems by administering drugs, ordering additional tests, and completing invasive procedures.

- Fellowship experience:
  - 715 Diagnostic coronary angiograms
  - 353 Percutaneous Coronary Interventions
  - 43 Intravascular Ultrasound
  - 64 Fractional Flow Reserve
  - 83 Peripheral Cases (Diagnostic and Interventions)

General Cardiology Fellow

2007-2010

Cleveland Clinic Main Campus, Cleveland, OH

- Conducted cardiac catheterization procedures to diagnose cardiovascular conditions.
- Routinely volunteered for 10 overnight moonlighting call shifts per month, tripling the training experience.
- Managed patients' conditions before, during and after cardiac surgery.
- Educated patients on risk factors for serious disease such as diet and activity level. Recommended positive lifestyle changes to reduce patient's risk of heart disease.
- Fellowship experience:
  - 880 Diagnostic cardiac catheterizations
  - 145 Right heart catheterizations
  - 220 Transthoracic Echocardiograms scanned
  - 99 Transesophageal Echocardiograms scanned
  - 1034 Transthoracic Echocardiograms interpreted
  - 172 Stress Echos interpreted
  - 26 Intra-aortic balloon pump placements
  - 10 Temporary Pacing Wire Placements
  - 611 Nuclear medicine stress test interpretations
  - 15 Permanent Pacemaker/ICD implantations
  - 4 Pericardiocentesis
  - 587 Peripheral Ultrasound scans interpreted

Clinical Assistant Professor - Internal Medicine

2006-2007

Tulane School Of Medicine, New Orleans, LA

- Provided immediate and constructive feedback to students individually and as group.
- Instructed internal medicine residents and medical students during inpatient rounds, bedside teaching of history taking, physical examination and laboratory interpretation.
- Delivered individualized instruction on observation, assessment, decision-making and patient health teaching.

Internal Medicine Chief Resident

2005-2006

Tulane University, New Orleans, LA

- Managed 15 inpatients, supervised a team of residents at University Hospital during the immediate aftermath of Hurricane Katrina.
- Intimately involved with planning and execution of patient and personnel evacuation in conjunction with National Guard five days after the decimation of New Orleans.
- Critical to implementation of Friday School, interactive problem-based learning that replaced traditional noon conference. Curriculum includes all American Board of Internal Medicine learning objectives, clinical teaching lectures and career planning workshops.
- Facilitating morning report and making daily cover sheets describing clinical presentation, treatment and potential pitfalls in management following case discussion.
- Followed internal medicine guidelines and current body of literature to provide evidence-based management across wide array of clinical disease while treating patients.

Resident, Internal Medicine

2002-2005

Tulane University, New Orleans, LA

Participated in 400 assigned educational conferences, rotations, period testing and advisor meetings. Teamed with other physicians, specialists, and health care providers to provide well-rounded care for complex cases. Engaged with other professionals to impart knowledge and discuss best treatment courses.

- Prescribed treatments and calculated pharmaceutical dosage and timing.
- Ordered and executed diagnostic tests and analyzed diagnostic images to further investigate patient conditions.
- Performed rounds 2 times per 24 hours to discuss patient care plans, review diagnostic studies, communicate with patients, and discuss medication lists.
- Performed initial and ongoing assessments of patients' medical, physical, and psychosocial status. Anticipated patients' needs conducted discharge planning and created individualized disease management and prevention plans.
- Established collaborative and constructive relationships with patients and families by effectively and sympathetically discussing serious, sensitive and difficult topics.

## Education and Recognition

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Interventional Cardiology Fellowship University Of Florida, Gainesville, FL	2010-2011
General Cardiology Fellowship Cleveland Clinic Main Campus, Cleveland, OH	2007-2010
Internal Medicine Residency Tulane University, New Orleans, LA	2002-2005
M.D.: Medicine Allopathic Howard University College of Medicine, Washington, DC	2002
Bachelor of Science: Biology Pre Medicine Xavier University of Louisiana, New Orleans, LA	1997
<b>Recognition</b>	
Peer-Elected Chief Resident-Tulane University Internal Medicine Residency	2005-2006
Peer-Elected Outstanding Second and Third-Year Resident	2003-2005
Excellence in Teaching OWL Club Award (Medical Student Organization)	2004-2005

## Publications

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### *“Quit the Sit”*

Kickoff presentation for the Speaking about Wellness for Women WellStar Community Education Series Feb. 16, 2017-  
Douglasville Conference Center

*Joshua M Willis, MD FACC, FSCAI*

*Approach to Peri-Operative Cardiovascular Evaluation & Management of Patients Undergoing Non-Cardiac  
Surgery, Joshua M. Willis, MD*

Surgical Grand Rounds Presentation, Baroness Erlanger Medical Center Chattanooga, TN, April 20, 2016

*Influence of Gender on Periprocedural Myocardial Infarction in Patients Presenting with Unstable Angina*

Joshua M Willis, Dharam J Kumbhani, Mehdi H Shishebor, Saima Karim, Edwin Zishiri, Anthony A Bavry, Venu  
Menon, Stephen Ellis

Poster Presentation, Abstract

Quality of Care and Outcomes Research in Cardiovascular Disease and Stroke Washington, DC, April 23-25, 2009  
*Pericardial Disease: Uncommon or Underdiagnosed?*

Fawaz Al Ammary, Joshua M. Willis, Penny Houghtaling, Ruvin S Gabriel, Allan L Klein Abstract  
*Circulation.* 2009;120: S884-S885

*Nuclear Medicine Case Conference-PET* Joshua M Willis, MD September 2008 Cleveland Clinic Foundation  
*Journal Club* Joshua M. Willis, MD Cleveland Clinic Foundation September 2008 Article presented: Biolimus eluting stent with biodegradable polymer versus sirolimus eluting stent with durable polymer for coronary revascularization (LEADERS study group)  
*G-20 CCU Conference* Joshua M. Willis, MD Cleveland Clinic Foundation February 2008  
*Nuclear Medicine Case Conference -SPECT* Joshua M. Willis, MD Cleveland Clinic Foundation September 2007  
*Electrophysiology Case Conference* Joshua M. Willis, MD Cleveland Clinic Foundation August 2007  
*“Leadership Lessons Learned During Hurricane Katrina”* Joshua M. Willis, MD, Jeffery Wiese, MD, Michelle Guidry MD, Oral Presentation Plenary Discussion at the American Program Directors of Internal Medicine, Philadelphia, PA Spring Session 2006  
*“Leaping Without Looking”* D. Gloss, Joshua M. Willis MD, Oral presentation at Southern Society of General Internal Medicine, New Orleans, La 2005  
*“Leaping Without Looking”* D. Gloss, Joshua M. Willis, MD Poster presentation at National Society of General Internal Medicine, New Orleans, LA 2005  
Abstract Journal of General Internal Medicine 2005 vol 20, supplement 1, page 276  
*“Leaping Without Looking”*  
*“This Rash Hurts”* Joshua M. Willis, MD Poster presentation National Society of General Internal Medicine, Chicago Il, 2004  
*“How Did That Get In There?”* Joshua M. Willis, MD Infectious Disease case conference, Tulane University 2004

## Licensures

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Active Georgia Medical License 66373  
NPI 1811921471  
DEA-available upon request

# Joshua M Willis, MD FACC, FSCAI

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