

Michael Megaly, MD, MS, FACC, FSCAI

Interventional Cardiologist

Complex High-Risk Coronary Interventions · Chronic Total Occlusion · Complex PAD · Limb Salvage

Integrus Health Heart Hospital · Oklahoma City, OK

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MEDICAL CAREER

Training & Clinical Positions

Nov 2025 – Present	Interventional Cardiologist Integrus Health Heart Hospital Oklahoma City, OK
Jan 2024 – Nov 2025	Interventional Cardiologist Ascension St John Medical Center Tulsa, OK
Jul 2022 – Dec 2023	Interventional Cardiologist Willis Knighton Heart Institute Shreveport-Bossier City, LA
Jul 2021 – Jun 2022	Henry Fellowship — Complex High-Risk Coronary Interventions & Advanced Hemodynamic Support Henry Ford Hospital Detroit, MI
Jul 2020 – Jun 2021	Fellowship, Interventional Cardiology Banner University Medical Center — University of Arizona College of Medicine Phoenix, AZ
Jul 2017 – Jun 2020	Fellowship, General Cardiology (Chief Fellow 2019–2020) Minneapolis Heart Institute at Abbott Northwestern Hospital & Hennepin Healthcare Minneapolis, MN
Jul 2014 – Jun 2017	Residency, Internal Medicine Mercy Hospital and Medical Center Chicago, IL
Jun 2010 – Jun 2013	Residency, General Surgery Ain Shams University Hospitals Cairo, Egypt
2010 – 2012	Master of Science in Surgery (MS) Faculty of Medicine, Ain Shams University Cairo, Egypt

2002 – 2010

Doctor of Medicine (MD)
Faculty of Medicine, Ain Shams University
Cairo, Egypt

ACADEMIA

Academic & Teaching Positions

Feb 2024 – Present

Clinical Assistant Professor, Division of Cardiology, Department of Internal Medicine
University of Oklahoma
Tulsa, OK

Sep 2020 – May 2025

Clinical Instructor, Division of Cardiology, Department of Internal Medicine
University of Arizona College of Medicine – Phoenix
Phoenix, AZ

Jul 2019 – Jun 2020

Chief Cardiology Fellow
Minneapolis Heart Institute at Abbott Northwestern Hospital & Hennepin Healthcare
Minneapolis, MN

NATIONAL & INTERNATIONAL CONFERENCES

Invited Faculty

- **2026** Transcatheter Therapeutics (TCT 2026) · San Diego, CA
- **2026** Cardiovascular Innovations (CVI 2026) · Denver, CO
- **2026** Cardiovascular Research Technologies (CRT 2026) · Washington, DC
- **2026** Chronic Total Occlusion Plus (CTO Plus 2026) · New York, NY
- **2025** Cardiovascular Research Technologies (CRT 2025) · Washington, DC
- **2024** Multi-level CTO Middle East (2024) · Cairo, Egypt
- **2024** EuroCTO International Conference (2024) · Istanbul, Turkey
- **2024** Cardiovascular Innovations (CVI 2024) · Denver, CO
- **2024** Cardiovascular Research Technologies (CRT 2024) · Washington, DC
- **2023** Cardiovascular Innovations (CVI 2023) · Austin, TX
- **2023** New Cardiovascular Horizon (NCVH) · Shreveport, LA
- **2023** ACC / World Congress of Cardiology (ACC 2023) · New Orleans, LA
- **2023** Chronic Total Occlusion Plus (CTO Plus 2023) · New York, NY
- **2022** Sociedad Puertorriquena de Cardiología Intervencional (SPCI 2022) · San Juan, PR
- **2022** Transcatheter Cardiovascular Therapeutics (TCT 2022) · Boston, MA
- **2022** Cardiovascular Innovations (CVI 2022) · Denver, CO
- **2022** Society of Cardiovascular Angiography & Interventions (SCAI 2022) · Atlanta, GA
- **2022** Chronic Total Occlusion Plus (CTO Plus 2022) · New York, NY
- **2022** Cardiovascular Research Technologies (CRT 2022) · Washington, DC
- **2021** Chronic Total Occlusion Summit (CTO Connect 2021) · Virtual
- **2020** Transcatheter Cardiovascular Therapeutics (TCT 2020) · Virtual

- **2020** Cardiovascular Innovations Scientific Sessions (CVI 2020) *Virtual*
 - **2020** SCAI 43rd Annual Scientific Sessions · *Virtual*
 - **2020** Chronic Total Occlusion Summit (CTO summit 2020) · *New York, NY*
 - **2019** Cardiovascular Innovations (CVI 2019) · *Denver, CO*
 - **2019** SCAI 42nd Annual Scientific Sessions · *Las Vegas, NV*
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BOARD CERTIFICATIONS

Certifications & Qualifications

- **Interventional Cardiology** — American Board of Internal Medicine, October 2021
 - **Cardiovascular Diseases** — American Board of Internal Medicine, October 2020
 - **Internal Medicine** — American Board of Internal Medicine, October 2017
 - **Peripheral Vascular Studies** — COCATS Level II (arterial, carotid & venous interpretation)
 - **Cardiovascular CT (CCT)** — COCATS Level II (coronary, vascular & structural CT)
 - **Echocardiography** — COCATS Level II (TTE, stress echo, TEE)
 - **Nuclear Cardiology** — COCATS Level II (SPECT, PET, viability, sarcoid, amyloid)
 - **Master of Science in Surgery** — Ain Shams University, Cairo, Egypt, 2012
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LEADERSHIP

National & International Committees

- **ACC Oklahoma Chapter Interventional section head**, American College of Cardiology Oklahoma Chapter (July 2026- present)
 - **SCAI Finance Committee**, Society for Cardiovascular Angiography & Interventions (April 2025 – May 2028)
 - **NCDR CathPCI Registry Research & Publications Subcommittee**, National Cardiovascular Data Registry (April 2020 – April 2022)
 - **Federal Education Workgroup**, Federal Cardiology Section, American College of Cardiology (2019)
 - **AMA / Minnesota Medical Association** Alternate Delegate, RFS Governing Council (2019)
 - **Clinical Events Committee**, Transform II Trial (July 2023 – Present)
 - **Ascension National Health System** — Member, National Clinical Advisory & Strategy Committees: Interventional Cardiology, CTO PCI, PAD, Pulmonary Embolism, Research (Jan 2024 – Nov 2025)
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EDITORIAL WORK

Editorial Boards & Peer Review

Peer Reviewer & Editorial Board Member — Selected Journals

- JACC Cardiovascular Interventions
- Circulation Cardiovascular Interventions
- EuroIntervention
- Journal of the American Heart Association (JAHA)
- American Journal of Cardiology (AJC)

- International Journal of Cardiology (IJC)
- JACC Advances
- JACC Case Reports
- Journal of Interventional Cardiology
- BMC Cardiovascular Disorders **(Associate Editor)**
- Cardiovascular Revascularization Medicine (CRM) **(Associate Editor)**
- Cardiovascular Revascularization Medicine — Interesting Cases **(Associate Editor)**
- Frontiers in Cardiovascular Medicine **(Associate Editor)**
- Journal of SCAI (JSCAI)
- Journal of Cardiothoracic Surgery
- Heart, Lung, and Circulation (HLC)
- Clinical Cardiology
- Arquivos Brasileiros de Cardiologia
- Medicina
- BMJ Case Reports
- International Journal of Cardiology Heart & Vasculture
- American Heart Journal Plus: Cardiology Research and Practice

National Guidelines Peer Reviewer

2020 ACC Expert Consensus Decision Pathway — Management of Conduction Disturbances in Patients Undergoing Transcatheter Aortic Valve Replacement

National Meeting Abstract Peer Reviewer

- Transcatheter Therapeutic (TCT) 2026
- American College of Cardiology 2026 — Interventional Cardiology Section
- American College of Cardiology 2025 — Interventional Cardiology Section
- American College of Cardiology 2024 — Interventional Cardiology Section
- American College of Cardiology 2022 — Interventional Cardiology Section
- American College of Cardiology Quality Summit 2020

RESEARCH & PUBLICATIONS

Research Output

200+ Peer-Reviewed Publications	4+ Textbook Chapters	20+ Journals as Reviewer	25+ Invited Conference Talks
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Research focus: complex PCI outcomes · CTO PCI · cardiogenic shock · mechanical circulatory support · structural heart · peripheral artery disease · pulmonary embolism

Published in: JACC Cardiovascular Interventions · Circulation · European Heart Journal · American Journal of Cardiology · and many leading cardiovascular journals worldwide.

HONORS

Selected Awards & Recognition

- **SCAI 30 in Their 30s** — Society for Coronary Angiography and Interventions (May 2024)
 - **Award-Winning Case — CTO Plus 2023** "Retrograde lithotripsy and retrograde stent target technique in LM CTO PCI" · New York, NY
 - **Award-Winning Case — CTO Plus 2022** "Extra-stent subintimal plaque modification for under-expanded stents" · New York, NY
 - **25 Young Leaders — CRT 2022** Young Leadership Program, Cardiovascular Research Technologies · Washington, DC
 - **Editorial Board Member of the Month — BMC Cardiovascular Disorders** (June 2021)
 - **Award-Winning Case — Cardiovascular Innovations Foundation 2021** Atherectomy Case Competition
 - **"Best of Abstracts" — TCT 2020** "Ischemic Stroke with Cerebral Protection System During TAVR"
 - **Award-Winning Case — CTO Summit 2020** New York, NY
 - **Featured Article — Circulation, February 2020** From Circulation Cardiovascular Interventions
 - **Top Downloaded Article — Catheterization & Cardiovascular Interventions** Top 10% most downloaded 2018–2019
 - **Second Top Journal Scan — ACC 2019** "Aspirin for Primary Prevention of CV Events, JACC 2019"
 - **Best of the Best Abstracts — SCAI 2018** 41st Annual Scientific Sessions · San Diego, CA
 - **Ranked First Among Peers** — Master of Science in Surgery Program, Ain Shams University, 2012
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EDUCATION

Teaching & Educational Contributions

- Collaborator — The Manual of CTO PCI (2023) by Dr. Emmanouil Brilakis
 - Collaborator — The Manual of PCI (2020) by Dr. Emmanouil Brilakis
 - Book Chapter Author — Left Main Coronary Artery Calcium Modification Strategies, Manual of Complex High-Risk Intervention, CHIP-LATAM-SOLACI (July 2024)
 - Book Chapter Author — Retrograde CTO PCI: Step by Step, Chronic Total Occlusions: A Guide to Recanalization (2023)
 - Book Chapter Author — The Hybrid Approach and Its Variations for CTO PCI, Springer International Publishing (2022)
 - Book Chapter Author — Subintimal Plaque Modification and Subintimal Dissection and Reentry: Strategies to Turn Failure into Success, Interventional Cardiology Clinics (2020)
 - Contributor — Complex Coronary Interventions YouTube Educational Channel (Dr. Emmanouil Brilakis)
 - Clinical Instructor Faculty — University of Arizona School of Medicine, Phoenix, AZ (Aug 2021 – Jun 2022)
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PROFESSIONAL SOCIETIES

Memberships & Fellowship

- **FSCAI** — Fellow of the Society for Cardiovascular Angiography & Interventions
 - **FACC** — Fellow of the American College of Cardiology
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SELECTED PRESENTATIONS

INVITED LECTURES

Invited Lectures & Presentations

1. "Small vessel CAD treatment modalities" CVI 2026, Denver, CO, August 2026
2. "CTO PCI and LVEF, what do we know?" CRT 2026. Washington DC. March 2026.
3. "Drug-Coated Balloons, the ISR case." CVI 2025. Austin, Texas. July 2025.
4. "Controlling your knuckle in Retrograde CTO PCI." ML CTO Middle East 2024. Cairo, Egypt. October 2024.
5. "Setting the scene for CTO PCI." ML CTO Middle East 2024. Cairo, Egypt. October 2024.
6. "Drug-Coated Balloons in coronary interventions, the future." CVI 2024. Denver, Colorado. July 2024.
7. "Mechanical Circulatory Support in Complex PCI, When and How." CRT 2024. Washington DC. March 2024.
8. "Mechanical Circulatory Support for Complex High-Risk Coronary Interventions." New Cardiovascular Horizon (NCVH). Shreveport, LA. March 2023.
9. "Consideration of MCS in valvular heart disease." ACC/World Congress of Cardiology. New Orleans, LA. March 2023.
10. "Consideration of MCS use in Complex PCI." University of Iowa Interventional Cardiology Noon Conference. Iowa City, Iowa. November 2022.
11. "Use of MCS in CHIP." SPCI. San Juan, PR. September 2022.
12. "Management of complications in CTO PCI." SPCI. San Juan, PR. September 2022.
13. "Use of Antegrade-Antegrade Dissection Reentry (AADR) through LIMA." Cases with the Masters. TCT. Boston, MA. September 2022.
14. "Side power knuckle and antegrade-antegrade dissection re-entry for CTO PCI." SCAI Annual Meeting. Atlanta, GA. May 2022.
15. "Retrograde CTO PCI through epicardial collaterals." ACC/SCAI Interventional Webinar. May 2022.
16. "Unexpected complications." Detroit Cardiovascular Society. Detroit, MI. April 2022.
17. "Retrograde dissection and reentry." University of Washington CHIP Cases Webinar. March 2022.
18. "ADR and use of Stingray balloon." University of Washington CHIP Cases Webinar. December 2021.
19. "Treating ostial calcification. Antegrade wire escalation." University of Washington CHIP Cases Webinar. October 2021.
20. "Treating ostial calcification. Severely calcified single ostium coronary tree." University of Washington CHIP Cases Webinar. September 2021.
21. "Atherectomy techniques to overcome balloon uncrossable and balloon un-dilatable lesions." Atherectomy Case Competition, Cardiovascular Innovations Foundation. February 2021.
22. "Retrograde left circumflex CTO PCI through an SVG: deflection technique, DK-Crush, and occlusion of the SVG." SCAI 43rd Annual Scientific Sessions. May 2020.
23. "Vascular brachytherapy, the rise of the Phoenix." Minneapolis Heart Institute Grand Rounds. April 2020.
24. "Radial vs. femoral access in chronic total occlusion percutaneous coronary intervention." Cardiovascular Innovations Scientific Meeting. July 2019.
25. "Distal left main PCI, DK-Crush troubleshooting." SCAI 42nd Annual Scientific Sessions. Las Vegas, NV. May 2019.
26. "Role of drug-coated balloons in small vessel coronary artery disease." Parallax Podcast, Radcliffe Cardiology. May 2019.
27. "Drug coated balloons, the missing piece in the puzzle." Minneapolis Heart Institute Grand Rounds. April 2019.

Highlighted & Selected Oral Presentations

- 1. Megaly M, Davis J. "Retrograde lithotripsy and retrograde stent target technique in LM CTO PCI." CTO Plus 2023. New York, NY. February 2023.
- 2. Megaly M, Alaswad A. "Extra-stent subintimal plaque modification for under-expanded stents." Award-winning oral presentation at CTO Plus 2022. New York, NY. February 2022.
- 3. Megaly M, Alaswad A. Side Power Knuckle and Antegrade-Antegrade Dissection Reentry Techniques. Oral presentation at Cardiovascular Research Technologies (CRT 2022). Washington DC. February 2022.
- 4. Megaly M, Alaswad A. External Crush For A Very Resistant Cap And Retrieval Of Wire Unraveling From Aorta. Oral presentation at CRT 2022. Washington DC. February 2022.
- 5. Megaly M, Alaswad A. Severely Calcified Single Ostium Coronary Tree. Oral presentation at CRT 2022. Washington DC. February 2022.
- 6. Megaly M, Basir B. Comparative Analysis of Patient Characteristics in Cardiogenic Shock Trials: Differences Between Randomized Trials and Real-World Registries. Moderated poster at TCT 2021. Orlando, FL. 2021.
- 7. Megaly M, Alaswad K. "Power Carlino": A Novel Method for Modifying Wire-Impenetrable Proximal Caps During CTO Revascularization. Case presented at TCT 2021. Orlando, FL. 2021.
- 8. Megaly M, Pershad A. Retrograde CTO PCI with no antegrade support. Case presented at CTO Connect Virtual 2021. February 2021.
- 9. Megaly M, Pershad A. Multi-modality techniques to treat balloon uncrossable lesions. SCAI Fellows Course. December 2020.
- 10. Megaly M, Sorajja P, Garcia S. Ischemic Stroke With Cerebral Protection System During TAVR. "Best of Abstracts" at TCT 2020. Virtual. October 2020.
- 11. Megaly M, Brilakis ES. Stent loss during LAD CTO PCI, the rescue! CVI 2020. Virtual conference.
- 12. Megaly M, Brilakis ES. Using new torqueable atherectomy wires in balloon uncrossable lesions. CVI 2020. Virtual conference.
- 13. Megaly M, Brilakis ES. Circumflex chronic total occlusion PCI in a prior CABG patient. CTO Summit 2020. New York, NY.
- 14. Megaly M, Brilakis ES. Outcomes With Retrograde Versus Antegrade Chronic Total Occlusion Revascularization. Oral presentation at TCT 2019. San Francisco, CA.
- 15. Megaly M, Sorajja P, Sengupta J. Outcomes After Pacemaker Implantation in Patients With New-Onset Left Bundle Branch Block After TAVR. Moderated poster at TCT 2019. San Francisco, CA.
- 16. Megaly M, Brilakis E. Outcomes With Deferred Compared With Performed Revascularization of Coronary Lesions With Fractional Flow Reserve Values in the Grey-Zone. Moderated poster at TCT 2019. San Francisco, CA.
- 17. Megaly M, Brilakis ES. Impella-supported Left Main PCI in a Patient with RCA CTO. CVI 2019. Denver, CO.
- 18. Megaly M, Garcia S. Percutaneous closure of a post-TAVR Aorta-RV fistula. CVI 2019. Denver, CO.
- 19. Megaly M, Brilakis ES. Double-kiss crush of the left main, overcoming challenges. CVI 2019. Denver, CO.
- 20. Megaly M, Ali A. Outcomes with Drug-coated Balloons versus Drug-eluting Stents in PCI in Diabetic Patients. Moderated poster at TCT 2018. San Diego, CA.
- 21. Megaly M, Rofael M. Outcomes with Drug-coated balloons in Small-Vessel Coronary Artery Disease. Moderated poster at TCT 2018. San Diego, CA.
- 22. Megaly M, Brilakis ES. Ad hoc left main PCI. CVI 2018. Denver, CO.

BIBLIOGRAPHY

Publications

Peer-Reviewed Original Studies

1. Doma M, Ramadan A, Cogar B, McEntegart MB, Mashayekhi K, Alaswad K, Rinfret S, Leibundgut G, Brilakis ES, Megaly M. Percutaneous Coronary Intervention for Chronic Total Occlusion in Acute Myocardial Infarction Complicated by Cardiogenic Shock. Canadian Journal of Cardiology. 2026.

2. Valle JA, **Megaly M**, Manandhar P, Rymer JA, Wang T, Abbott JD, Grines CL. Contemporary Trends in Percutaneous Coronary Intervention at Facilities Without On-Site Cardiac Surgery: Insights From the National Cardiovascular Data Registry. *Journal of the American College of Cardiology*. 2026 Apr 28;87(16):2193-5.
3. Sedhom R, Murthy N, **Megaly M**, Bhardwaj A, Kobo O, Fudim M, Mamas MA, Codorniz K, Abramov D. Characteristics, Management, and Outcomes of Diabetes Subtypes in Patients With Cardiogenic Shock: A Nationwide Analysis. *JACC: Advances*. 2026 May 1;5(5):102766.
4. 2. Buda KG, Baldetti L, Garcia S, Seelhammer T, Van-Hove C, Gage A, Basir MB, Bennett M, **Megaly M**, Dudzinski DM. Veno-Arterial Extracorporeal Membrane Oxygenation for Pulmonary Embolism: A Systematic Review and Practical Guide to Patient Selection, Timing, and Management. *Journal of Cardiac Failure-Intersections*. 2026.
5. 3. Van Hove CM, Harris SR, Beckmann E, Manunga JM, **Megaly M**, Miedema MD, Walser-Kuntz E, Harris KM. The weekend effect on outcomes for type A aortic dissection surgery: A nationwide analysis. *Interdisciplinary CardioVascular and Thoracic Surgery*. 2026;41(3):ivag067.
6. Emara A, Awashra A, Elgendy MS, Murad MR, Emara M, Nazir A, Shubietah A, **Megaly M**, Bapat VN. Prophylactic Left Atrial Appendage Occlusion During Mitral Valve Repair in Patients Without Atrial Fibrillation: A Meta-Analysis of Time to Event Data. *Journal of arrhythmia*. 2026 Jun;42(3):e70355.
7. Emara A, Mansour A, Doma M, Alaswad K, Brilakis ES, **Megaly M**. Optical coherence tomography versus angiography alone for guidance of percutaneous coronary intervention of calcified coronary lesions: a meta-analysis. *Coronary Artery Disease*. 2026 Jun 2:10-97.
8. 4. Khalil M, Dulal D, Younes A, Albeyoumi H, Maraey A, Elzanaty AM, Brilakis ES, Alaswad K, Basir MB, **Megaly M**. Trends of myocardial infarction in young patients. *Cardiovascular Revascularization Medicine*. 2026 Jan 26.
9. 5. Emara A, Emara M, Aldemerdash MA, Hemmeda L, Gadelmawla AF, Saber A, **Megaly M**. Impact of aortic root abscess on outcomes in infective endocarditis and predictors of in-hospital mortality: A meta-analysis. *Heart & Lung*. 2026;75:337-346.
10. 6. Sedhom R, Omer M, Khedr M, Abramov D, Bharadwaj AS, Athar A, Prasad V, Alaswad K, Basir MB, Brilakis ES, **Megaly M**. Characteristics and Outcomes of ST-Segment Elevation Myocardial Infarction Due to Left Main Coronary Artery Stenosis. *The American Journal of Cardiology*. 2026;259:38-44.
11. 7. **Megaly M**, Zakhour S, Maki M, Albusoul L, Nakhle A, Karacsonyi J, Mashayekhi K, Rinfret S, Brilakis ES, Alaswad K. Impact of Chronic Total Occlusion PCI in Non-LAD Coronary Arteries on Patients With Cardiomyopathy. *The American Journal of Cardiology*. 2025 Aug 15;249:9-15.
12. 8. Zordok M, Al-Azizi K, Szerlip M, Basir MB, Alaswad K, Brilakis ES, **Megaly M**. Cardiogenic Shock in Takotsubo vs. Acute Myocardial Infarction: Insights from The National Readmission Database 2016-2022. *Canadian Journal of Cardiology*. 2025.
13. 9. Lingamsetty SSP, Medarametla RVSK, Prajapati K, Jitta SR, Doma M, Thyagaturu H, **Megaly M**, Goldsweig AM. Effects of Supersaturated Oxygen Therapy on Infarct Size and Microvascular Obstruction Following Myocardial Infarction: A Systematic Review and Meta-Analysis. *American Heart Journal*. 2025;107311.
14. 10. Basala TR, Khalid MS, Ser OS, **Megaly M**, Glogoza M, Strepkos D, Rempakos A, Alexandrou M, Mutlu D, Carvalho P, Peng S, Mastrodemos O, Jalli S, Karacsonyi J, Sandoval Y, Wang Y, Sullivan P, Monyak DJ, Voudris K, Al-Ogaili A, Rangan BV, Burke MN, Brilakis ES. Outcomes of Intracoronary Brachytherapy for In-Stent Restenosis. *The American Journal of Cardiology*. 2025 Jun 1;244:89-98.
15. 11. Lingamsetty SS, Doma M, Kritya M, Thyagaturu H, Ubaid M, Jitta SR, Prajapati K, Ramadan A, Al-Shammari AS, Martignoni FV, Seto A, **Megaly M**, Goldsweig A. Mechanical outcomes of coronary stenting guided by intravascular ultrasound versus optical coherence tomography: A systematic review and meta-analysis with trial sequential analysis of randomized trials. *International Journal of Cardiology*. 2025 May 13:133387.
16. 12. Zordok M, Buda KG, Etiwy M, Basir MB, Alaswad K, Beckmann E, Brilakis ES, **Megaly M**. Revascularization strategies for coronary artery aneurysms: A systematic review. *Cardiovascular Revascularization Medicine*. 2025 Mar 31.
17. 13. Sedhom R, Khedr M, Beshai R, Brilakis ES, Basir MB, Alaswad K, Stoletniy L, Abramov D, Bharadwaj A, **Megaly M**. Characteristics and outcomes of myocardial infarction among burn patients: A nationwide analysis. *Burns*. 2025 Feb 1;51(1):107313.
18. 14. Sedhom R, Mohammad A, Khedr M, **Megaly M**, Waldman C, Bharadwaj AS, Kobo O, Sayed A, Abramov D. Characteristics and outcomes of myocardial infarction among patients with bleeding or hypercoagulable disorders: A nationwide analysis. *Cardiovascular Revascularization Medicine*. 2025 Mar 1;72:10-5.

19. 15. Zordok M, Buda KG, Etiwy M, Dani SS, Ganatra S, Basir B, Alaswad K, Brilakis ES, **Megaly M**. Comparative analysis of the DanGer shock trial to randomized cardiogenic shock trials and real-world registries. *Cardiovascular Revascularization Medicine*. 2025 Jan 24.
20. 16. Abraham B, Suppah M, Farina J, Botros M, Fath A, Kaldas S, **Megaly M**, Chao CJ, Arsanjani R, Ayoub C, Fortuin FD. Impact of moderate or severe mitral and tricuspid valves regurgitation after transcatheter aortic valve replacement. *American Heart Journal*. 2025 Feb 1;280:79-88.
21. 17. Buda KG, Hryniewicz K, Eckman PM, Basir MB, Cowger JA, Alaswad K, Mukundan S, Sandoval Y, Elliott A, Brilakis ES, **Megaly M**. Early vs. delayed mechanical circulatory support in patients with acute myocardial infarction and cardiogenic shock. *European Heart Journal: Acute Cardiovascular Care*. 2024 May;13(5):390-7.
22. 18. Basir MB, Bentley D, Truesdell AG, Kunkel K, Lemor A, **Megaly M**, Alqarqaz M, Alaswad K, Khandewal A, Jortberg E, Kalra S. Clinical Outcomes of Patients Experiencing Transient Loss of Pulse Pressure During High-Risk PCI with Impella. *Journal of Cardiac Failure*. 2024 Oct 1;30(10):1287-99.
23. 19. Buda KG, Hryniewicz K, Eckman PM, Basir MB, Cowger JA, Alaswad K, Mukundan S, Sandoval Y, Elliott A, Brilakis ES, **Megaly M**. National Trends and Outcomes of Early versus Delayed Mechanical Circulatory Support in Patients with Acute Myocardial Infarction Complicated by Cardiogenic Shock. In press.
24. 20. Zordok M, Dani SS, Tawadros M, Lichaa HT, Kerrigan JL, Basir B, Alaswad K, Miedema M, **Megaly M**. Morbidity and mortality trends in patients with inflammatory bowel disease presenting with ST elevation myocardial infarction. *Hellenic Journal of Cardiology*. 2024 Jul 15.
25. 21. Zordok M, Etiwy M, Abdelazeem M, Dani SS, Tawadros M, Lichaa HT, Kerrigan JL, Basir B, Alaswad K, Miedema M, Brilakis ES, **Megaly M**. Gender disparity in morbidity and mortality among patients with ST-elevation myocardial infarction due to spontaneous coronary artery dissection complicated by cardiogenic shock. *Cardiovascular Revascularization Medicine*. 2024 Nov 25.
26. 22. Abraham B, Suppah M, **Megaly M**, Elbanna M, Kaldas S, Alsidawi S, Fortuin FD, Sweeney J, Ayoub C, Alkhouli M, Sell-Dottin K. Impact of transcatheter edge to edge repair in functional mitral regurgitation and cardiac resynchronization-therapy nonresponders. *Catheterization and Cardiovascular Interventions*. 2024 Oct.
27. 23. Khalil C, Lazar S, **Megaly M**, Mekritthikrai R, Vipparthy SC, Doukky R, Mortada ME, Huang HD, Sharma PS. Trends and outcomes of inpatient cardiac implantable electronic device transvenous lead extractions: a nationwide analysis. *Journal of Interventional Cardiac Electrophysiology*. 2024 Aug 6.
28. 24. Sedhom R, Beshai R, Moussa P, **Megaly M**, Mohsen A, Abramov D, Stoletniy L, Elgendy IY. Outcomes With Malignancy-Associated High-Risk Pulmonary Embolism: A Nationwide Analysis. *Mayo Clinic Proceedings*. 2024 Jan 1;99(1):81-89.
29. 25. Fathelbab HT, Abdelghany M, **Megaly M**, Shawky MA, Zeineldin K. Outcomes of percutaneous coronary intervention in patients with chronic total occlusion (CTO): a single-center study evaluating a new dedicated CTO program in Egypt. *The Egyptian Journal of Critical Care Medicine*. 2024 Oct 23;11(1):9.
30. 26. Khalil M, Maraey A, Al Wahadneh O, Elzanaty AM, Brilakis ES, Alaswad K, Basir MB, **Megaly M**. Use of a Multidisciplinary Shock Team and Inhospital Mortality in Patients With Cardiogenic Shock. *American Journal of Cardiology*. 2023 Nov 1;206:200-1.
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33. Mahtta D, Manandhar P, Wegermann ZK, Wojdyla D, **Megaly M**, Kochar A, Virani SS, Rao SV, Elgendy IY. Outcomes and Institutional Variation in Arterial Access Among Patients With AMI and Cardiogenic Shock Undergoing PCI. *JACC: Cardiovascular Interventions*. 2023 Jun 26;16(12):1517-28.
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36. Sedhom R, Elbadawi A, **Megaly M**, Athar A, Bharadwaj AS, Prasad V, Cameron SJ, Weinberg I, Mamas MA, Messerli AW, Jaber W. Outcomes with catheter-directed thrombolysis vs. catheter-directed embolectomy among

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