

Michael Megaly, MD, MS
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Michael Megaly, MD, MS, FACC, FSCAI
Interventional Cardiologist
Complex High-risk Coronary Interventions and Chronic Total Occlusion
Specialist.
Integris Baptist Heart Hospital, Oklahoma City, OK

Adjunct Clinical Instructor, Division of Cardiology, Department of Internal Medicine,
University of Arizona College of Medicine-Phoenix

Medical Career, Training, and Education

Interventional Cardiologist

Complex High-Risk Coronary Interventions and Chronic Total Occlusion Specialist
Integris Baptist Heart Hospital, Oklahoma City, Oklahoma (November 2025- present)

Interventional Cardiologist

Complex High-Risk Coronary Interventions and Chronic Total Occlusion Specialist
Ascension St John Medical Center, Tulsa, Oklahoma (January 2024- November 2025)

Interventional Cardiologist

Complex High-Risk Coronary Interventions and Chronic Total Occlusion Specialist
Willis Knighton Heart Institute,
Shreveport-Bossier City, Louisiana (July 2022- December 2023)

**Henry Fellowship, Complex-High Risk Coronary Interventions, and Advanced
Hemodynamic Support**

Ford Hospital,
Detroit, MI (July 2021- June 2022)

Fellowship, Interventional Cardiology

Banner University Medical Center- University of Arizona College of Medicine Phoenix, AZ (July
2020- June 2021)

Fellowship, General Cardiology

Minneapolis Heart Institute at Abbot Northwestern Hospital and Hennepin Healthcare,
Minneapolis, MN (July 2017- June 2020)

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Residency, Internal Medicine

Mercy Hospital and Medical Center, Chicago, IL (July 2014- June 2017)

Residency, General Surgery

Ain Shams University Hospitals, Cairo, Egypt (June 2010- June 2013)

Master of Science in Surgery (MS)

Faculty of Medicine, Ain Shams University (2010-2012)

Medical School (MD)

Faculty of Medicine, Ain Shams University, Cairo, Egypt (2002-2010)

Academic and Leadership Activities

Academic Positions

Clinical Assistant Professor, Division of Cardiology, Department of Internal Medicine,
University of Oklahoma, Tulsa, OK (February 2024- Present)

Clinical Instructor, Division of Cardiology, Department of Internal Medicine
University of Arizona College of Medicine-Phoenix (Sept 2020- Present)

Chief Cardiology Fellow

Minneapolis Heart Institute at Abbot Northwestern Hospital and Hennepin Healthcare (July 2019- June 2020)

Assistant lecturer

General Surgery, Faculty of Medicine, Ain Shams University, Cairo, Egypt (October 2013- June 2014)

Chief Surgery Resident

General Surgery, Faculty of Medicine, Ain Shams University, Cairo, Egypt (June 2012- June 2013)

Clinical Leadership Roles

Ascension National Health System Resource Group

Member, National Clinical Advisory & Strategy Committees

Committees (Interventional cardiology, Chronic total occlusion, peripheral artery disease, pulmonary embolism, Research)

January 2024- November 2025

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National and International Conferences

Invited Faculty

1. Cardiovascular Research Technologies (CRT 2025). Washington DC. (March 2025)
2. Multi-level CTO Middle East. Cairo, Egypt (October 2024)
3. EuroCTO International conference. Istanbul, Turkey (Sept 2024)
4. Cardiovascular Innovations (CVI). Denver, CO (July 2024).
5. Cardiovascular Research Technologies (CRT 2024). Washington DC. (February 2024)
6. Cardiovascular Innovations (CVI). Austin, TX (July 2023).
7. New Cardiovascular Horizon (NCVH). Shreveport, LA (March 2023)
8. American College of Cardiology/World Congress of Cardiology, New Orleans, LA (March 2023)
9. Chronic Total Occlusion Plus (CTO plus 2022). New York, NY (February 2023)
10. Sociedad Puertorriquena de Cardiología Intervencional (SPCI). San Juan, PR (September 2022)
11. Transcatheter Therapeutics (TCT) scientific sessions. Boston, MA (September 2022)
12. Cardiovascular Innovations (CVI). Denver, CO (July 2022)
13. Society of Cardiovascular Angiography and Interventions meeting. Atlanta. GA (May 2022)
14. Chronic Total Occlusion Plus (CTO plus 2022). New York, NY (February 2022)
15. Cardiovascular Research Technologies (CRT 2022). Washington DC. (February 2022)
16. Chronic Total Occlusion Summit (CTO Connect). Virtual (February 2021)
17. Society of Cardiovascular Angiography and Interventions Fellows Course (December 2020).
18. Transcatheter Therapeutics (TCT) scientific sessions. Virtual meeting (October 2020)
19. Cardiovascular Innovations scientific sessions. Virtual meeting (July 2020)
20. Society of Cardiovascular Angiography and Interventions 43rd Scientific Sessions. Virtual online meeting (May 2020)
21. Chronic Total Occlusion Summit. New York, NY (February 2020)
22. Cardiovascular Innovations scientific sessions. Denver, CO (July 2019)
23. Society of Cardiovascular Angiography and Interventions 42nd Scientific Sessions. Las Vegas, NV (May 2019)

National and International Committees

1. The Society for Coronary Angiography and Interventions (SCAI) Finance Committee (April 2025- May 2028)
2. The National Cardiovascular Data Registry (NCDR) CathPCI Registry Research & Publications Subcommittee. Fellow-in-training member (April 2020 to April 2022)

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3. Federal Education Workgroup, Federal Cardiology Section, American College of Cardiology (2019)
4. American Medical Association/ Minnesota Medical Association Alternate delegate. RFS Governing Council, 2019

Research and Trials Committees

- 1- Clinical Events Committee- Transform II trial (July 2023- present)

Editorial Boards and peer review

Editorial Boards- Editor

BMC Cardiovascular Disorders (Associate Editor, July 2019- present)

Cardiovascular Revascularization Medicine (Associate Editor, March 2022- present)

Frontiers in Cardiovascular Medicine (Review Editor, April 2022- present)

Cardiovascular Revascularization Medicine, Interesting cases (Associate Editor, May 2023- present).

Editorial Boards- Peer reviewer

JACC Cardiovascular Interventions

Circulation Cardiovascular Interventions

EuroIntervention

Journal of American Heart Association (JAHA)

American Journal of Cardiology (AJC)

International Journal of Cardiology (IJC)

Journal of Cardiothoracic surgery

Heart, Lung, and Circulation (HLC)

Clinical Cardiology

JACC Advances

JACC Case reports

Journal of Interventional Cardiology

Cardiovascular Revascularization Medicine (CRM)

Cardiovascular Revascularization Medicine, Interesting Cases (CRM, Interesting Cases)

Journal of the Society of Cardiovascular Angiography and Interventions (JSCAI)

Arquivos Brasileiros de Cardiologia

BMC Cardiovascular Disorders

Medicina

BMJ Case Reports

International Journal of Cardiology Heart & Vasculature

American Heart Journal Plus: Cardiology Research and Practice

Frontiers in Cardiovascular Medicine

National Guidelines Peer Reviewer

Peer reviewer of the 2020 ACC Expert Consensus Decision Pathway on Management of Conduction Disturbances in Patients Undergoing Transcatheter Aortic Valve Replacement.

National meetings abstract peer reviewer

American College of Cardiology 2024, Interventional Cardiology Section

American College of Cardiology 2022, Interventional Cardiology Section

American College of Cardiology Quality Summit, 2020

Teaching activities

1. Collaborator. The Manual of CTO PCI (2023) by Dr. Emmanouil Brilakis.
2. Clinical Instructor Faculty, University of Arizona School of Medicine, Phoenix, AZ (August 2021 to June 2022).
3. Collaborator. The Manual of PCI book (2020) by Dr. Emmanouil Brilakis.
4. Contributor: Dr. Emmanouil Brilakis, Complex Coronary Interventions YouTube educational Channel. <https://www.youtube.com/user/EmmanouilBrilakis>

Other activities

Social Media Ambassador, CTO plus 2025, New York, NY

Social Media Ambassador, SCAI 2024. Long Beach, CA

Social Media Ambassador, CTO plus 2024. New York, NY

Social Media Ambassador, CTO plus 2023. New York, NY.

Social Media Ambassador, CTO plus 2022. New York, NY.

Social Media Ambassador, CTO Summit 2021. Virtual meeting.

Certifications

1. American Board of Internal Medicine. Interventional Cardiology certification. October 2021
2. American Board of Internal Medicine, Cardiovascular Diseases Board certification, October 2020
3. Peripheral vascular studies COCATS Level II (independently interpret arterial, carotid, and venous peripheral vascular studies).
4. Cardiovascular Computed Tomography (CCT) COCATS level II, (independently interpret coronary, vascular, and structural CT studies).
5. Echocardiography, COCATS level II, (independently interpret TTE; interpret and supervise stress echocardiography procedures; and perform/interpret TEE)
6. Nuclear Cardiology, COCATS level II, (independently interpret SPECT and PET studies, including viability, sarcoid, and amyloid studies)
7. American Board of Internal Medicine. Internal Medicine certification. October 2017
8. Master of Science in Surgery, Ain Shams University, Cairo, Egypt. July 2012

Professional Society Memberships and Fellowship

Fellow of the Society for Cardiovascular Angiography and Interventions (FSCAI)

Fellow of the American College of Cardiology (FACC)

Member of the Society of Cardiovascular Computed Tomography (SCCT)

Professional Honors and Awards

1. Award-winning case presenter. "Retrograde lithotripsy and retrograde stent target technique in LM CTO PCI." CTO plus 2023. New York, NY. February 2023
2. Award-winning case presenter. "Extra-stent subintimal plaque modification for under-expanded stents." CTO plus 2022. New York, NY. February 2022
3. Selected among the 25 young leaders, Young Leadership Program. Cardiovascular Research Technologies (CRT 2022). Washington DC. February 2022.

4. Editorial Board member of the month "June 2021", BMC Cardiovascular Journal. June 2021 <https://bmccardiovascdisord.biomedcentral.com/about/editorial-board/editorial-board-member-of-the-month>

5. Award-winning case presenter. "Atherectomy techniques to overcome balloon uncrossable and balloon un-dilatable lesions." Atherectomy Case Competition, Cardiovascular Innovations Foundation. February 2021.
6. Author of the "Best of Abstracts" of Transcatheter Therapeutics (TCT) Scientific Sessions virtual meeting "Ischemic Stroke with Cerebral Protection System During Transcatheter Aortic Valve Replacement." (October 2020)
7. Award-winning case presenter, Chronic Total Occlusion Summit, New York, NY. February 2020.
8. Author of the featured article from "Circulation Cardiovascular Interventions" in CIRCULATION, February 3, 2020. "Outcomes With Deferred Versus Performed Revascularization of Coronary Lesions With Gray-Zone Fractional Flow Reserve Values. Circulation Cardiovascular Interventions, 2019).
9. Fellow's Travel grantee, Chronic total occlusion Summit, New York, NY. February 2020.
10. Author of the second top journal scan by the American College of Cardiology for year 2019 "Aspirin for Primary Prevention of CV Events, JACC 2019."
11. Fellow's Travel grantee, Transcatheter Therapeutics scientific sessions, San Francisco, CA. September 2019
12. Top downloaded article award. Catheterization and Cardiovascular Interventions. "Outcomes with drug-coated balloons in small-vessel coronary artery disease." top 10% most downloaded papers 2018-2019.
13. Finalist, complex coronary cases competition, Cardiovascular Innovations scientific sessions. Denver, CO. July 2019.
14. Semi-finalist, complex structural cases competition, Cardiovascular Innovations scientific sessions. Denver, CO. July 2019.
15. Fellow's Travel grantee, Cardiovascular innovations conference, Denver CO. July 2019.
16. Fellow's Travel grantee, Cardiovascular Research Foundation fellows' course, Orlando FL. April 2019.
17. Elected as the American Medical Association/Minnesota Medical Association (AMA/MMA) RFS alternate delegate, 2019.

18. Semi-finalist, complex coronary cases competition, Cardiovascular Innovations scientific sessions. Denver, CO. July 2018
19. Fellow's Travel grantee, Cardiovascular innovations conference, Denver, CO. July 2018.
20. Best of the best abstracts. The Society for Cardiovascular Angiography and Interventions' 41st Annual Scientific Sessions. San Diego, CA. April 2018.
21. Third best abstract. American College of Physicians clinical vignette competition, Chicago, IL, October 2015.
22. Ranked first among peers, Master of Science in Surgery program, Ain Shams University, 2012.
23. Scholarship, Ain Shams University Medical School, 2002.

BIBLIOGRAPHY

Peer-Reviewed Original Studies

1. Doma, M., Ramadan, A., Cogar, B., McEntegart, M.B., Mashayekhi, K., Alaswad, K., Rinfret, S., Leibundgut, G., Brilakis, E.S. and **Megaly, M.**, 2026. Percutaneous Coronary Intervention for Chronic Total Occlusion in Acute Myocardial Infarction Complicated by Cardiogenic Shock. *Canadian Journal of Cardiology*.
2. Buda, K.G., Baldetti, L., Garcia, S., Seelhammer, T., Van-Hove, C., Gage, A., Basir, M.B., Bennett, M., **Megaly, M.** and Dudzinski, D.M., 2026. 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*.
3. Van Hove, C.M., Harris, S.R., Beckmann, E., Manunga, J.M., **Megaly, M.**, Miedema, M.D., Walser-Kuntz, E. and Harris, K.M., 2026. The weekend effect on outcomes for type A aortic dissection surgery: A nationwide analysis. *Interdisciplinary CardioVascular and Thoracic Surgery*, 41(3), p.ivag067.
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.

5. **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.
6. Emara, A., Emara, M., Aldemerdash, M. A., Hemmeda, L., Gadelmawla, A. F., Saber, A., ... & **Megaly, M.** (2026). Impact of aortic root abscess on outcomes in infective endocarditis and predictors of in-hospital mortality: A meta-analysis. *Heart & Lung, 75*, 337-346.
7. Zordok, M., Al-Azizi, K., Szerlip, M., Basir, M. B., Alaswad, K., Brilakis, E. S., & **Megaly, M.** (2025). Cardiogenic Shock in Takotsubo vs. Acute Myocardial Infarction: Insights from The National Readmission Database 2016-2022. *Canadian Journal of Cardiology*.
8. Lingamsetty, S. S. P., Medarametla, R. V. S. K., Prajapati, K., Jitta, S. R., Doma, M., Thyagaturu, H., **Megaly M**, ... & Goldsweig, A. M. (2025). Effects of Supersaturated Oxygen Therapy on Infarct Size and Microvascular Obstruction Following Myocardial Infarction: A Systematic Review and Meta-Analysis. *American Heart Journal*, 107311.
9. Basala TR, Khalid MS, Ser OS, **Megaly M**, Glogoza M, Strepkos D, Rempakos A, Alexandrou M, Mutlu D, Carvalho P, Peng S. Outcomes of Intracoronary Brachytherapy for In-Stent Restenosis. *The American Journal of Cardiology*. 2025 Jun 1;244:89-98.
10. 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.
11. 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: including molecular interventions*. 2025 Mar 31:S1553-8389.
12. Sedhom, R., Omer, M., Khedr, M., Abramov, D., Bharadwaj, A. S., Athar, A., ... & **Megaly, M.** (2025). Characteristics and Outcomes of ST-Segment Elevation Myocardial Infarction Due to Left Main Coronary Artery Stenosis. *The American journal of cardiology*.
13. 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.

14. 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.
15. 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.
16. 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.
17. 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.
18. 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.
19. 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.
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: HJC= Hellenike kardiologike epitheorese*. 2024 Jul 15:S1109-9666.
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.

22. Khalil M, Maraey A, Al Wahadneeh 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.
23. Zordok M, Etiwy M, Abdelazeem M, Tawadaros M, Hakam L, Zaslavaskaya M, Dani SS, Pershad A, Alaswad K, Brilakis ES, **Megaly M**. The summer effect on STEMI outcomes: Insights from teaching hospitals. *Cardiovascular revascularization medicine: including molecular interventions*. 2023 Sep 2;S1553-8389.
24. **Megaly M**, Zakhour S, Karacsonyi J, Basir MB, Kunkel K, Gupta A, Neupane S, Alqarqaz M, Brilakis ES, Alaswad K. Outcomes of Chronic Total Occlusion Percutaneous Coronary Intervention of the Left Anterior Descending Artery. *The American journal of cardiology*. 2023 Apr 15;193:75-82.
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.
26. 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. *Cardiovascular Interventions*. 2023 Jun 26;16(12):1517-28.
27. 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. *In Mayo Clinic Proceedings* 2024 Jan 1 (Vol. 99, No. 1, pp. 81-89). Elsevier..
28. Sedhom R, Beshai R, Elkaryoni A, Megaly M, Elbadawi A, Athar A, Jaber W, Bharadwaj AS, Prasad V, Stoletniy L, Elgendy IY. Trends and Outcomes of Interhospital Transfer for High-Risk Acute Pulmonary Embolism: A Nationwide Analysis. *American Journal of Medicine Open*. 2023 Dec 1;10:100053.
29. Abraham B, Suppah M, **Megaly M**, Elbanna M, Kaldas S, Alsidawi S, David Fortuin F, 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
30. 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 6:1-0.

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32. 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 patients with high-risk pulmonary embolism: a nationwide analysis. *European Heart Journal: Acute Cardiovascular Care*. 2023 Apr 3;12(4):224-31.
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34. Abraham B, Farina JM, Fath A, Abdou M, Elbanna M, Suppah M, Sleem M, Eldaly A, Aly M, Megaly M, Agasthi P. The impact of moderate aortic stenosis in acute myocardial infarction: A multicenter retrospective study. *Catheterization and Cardiovascular Interventions*. 2023 May 5.
35. Mankerious N, Megaly M, Hemetsberger R, Allali A, Samy M, Toelg R, Garcia S, Richardt
36. G. Short Versus Long-Term Dual Antiplatelet Therapy in Patients at High Bleeding Risk Undergoing PCI in Contemporary Practice: A Systemic Review and Meta-analysis. *Cardiology and Therapy*. 2023 Jun 1:1-0.
37. Morcos R, Al Taii H, Rubens M, Saxena A, Ramamoorthy V, Hamed M, Barakat AF, Kulkarni N, Khalili H, Garcia S, Megaly M. Hospital outcomes of patients receiving catheter ablation of atrial fibrillation, left atrial appendage closure, or both. *Journal of Interventional Cardiac Electrophysiology*. 2023 Jun;66(4):913-21.
38. Alexandrou M, Kostantinis S, Rempakos A, Simsek B, Karacsonyi J, Choi JW, Poommipanit P, Alaswad K, Basir MB, Megaly M, Davies R. Outcomes of Chronic Total Occlusion Percutaneous Coronary Interventions in Patients with Previous Coronary Artery Bypass Graft Surgery. *The American journal of cardiology*. 2023 Oct 15;205:40-9.
39. Sedhom R, Dang AT, Elwagdy A, Megaly M, Elgendy IY, Zahr F, Gafoor S, Mamas M, Elbadawi A. Outcomes with plug-based versus suture-based vascular closure device after transfemoral transcatheter aortic valve replacement: A systematic review and meta-analysis. *Catheterization and Cardiovascular Interventions*. 2023 Mar;101(4):817-27.

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Reviews and editorials

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Letters

Lingamsetty, S. S. P., Doma, M., Kritya, M., **Megaly, M. S.**, & Goldsweig, A. M. (2025). Reply to "Comment on: 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*, 437.

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Scientific News Commentaries

Megaly M, Brilakis ES. Paclitaxel-coated balloons for percutaneous coronary intervention: Should we be concerned? Cardiovascular News Issue 55. October 2019.

Omer M, Nikolakopoulos I, Vemmou E, Xenogiannis I, Megaly M, Brilakis ES. Mechanical Circulatory Support Management Options beyond the cath lab. Cardiac Interventions Today. January/February 2020.

Highlighted/Selected Oral Presentations

1. Megaly M, Davis, Jonathan."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 Cardiovascular Research Technologies (CRT 2022). Washington DC. February 2022
5. Megaly M, Alaswad A. Severely Calcified Single Ostium Coronary Tree. Oral presentation at Cardiovascular Research Technologies (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 presented at Transcatheter therapeutics scientific sessions (TCT 2021). Orlando, FL. 2021.

7. Megaly M, Alaswad K. Power Carlino” A Novel Method for Modifying Wire-Impenetrable Proximal Caps During Chronic Total Occlusion Revascularization. Case presented at Transcatheter therapeutics scientific sessions (TCT 2021). Orlando, FL. 2021.
8. Megaly M, Pershad A. Retrograde CTO PCI with no antegrade support. Case presented at the Chronic Total Occlusion Summit (CTO Connect Virtual 2021). February 2021
9. Megaly M, Pershad A. Multi-modality techniques to treat balloon uncrossable lesions. Case presented at Society for Cardiovascular Angiography and Interventions Fellows Course (December 2020).
10. Megaly M, Sorajja P, Garcia S. Ischemic Stroke With Cerebral Protection System During Transcatheter Aortic Valve Replacement. Abstract presented at the “Best of Abstracts” Transcatheter Therapeutics (TCT 2020) Scientific Sessions virtual meeting (October 2020).
11. Megaly M, Brilakis ES. Stent loss during LAD CTO PCI, the rescue! Case presented at Cardiovascular Innovations scientific sessions (CVI 2020). 2020 virtual conference.
12. Megaly M, Brilakis ES. Using new torqueable atherectomy wires in balloon uncrossable lesions. Case presented at Cardiovascular Innovations scientific sessions (CVI 2020). 2020 virtual conference.
13. Megaly M, Brilakis ES. Circumflex chronic total occlusion percutaneous coronary intervention in a prior CABG patient. Case presented at Chronic Total Occlusion Summit (CTO 2020). New York, NY, 2020.
14. Megaly M, Brilakis ES. et al. Outcomes With Retrograde Versus Antegrade Chronic Total Occlusion Revascularization. Oral presentation at Transcatheter therapeutics 31st scientific sessions (TCT 2019). San Francisco, CA. 2019.
15. Megaly M, Sorajja P, Sengupta J. et al. Outcomes After Pacemaker Implantation in Patients With New-Onset Left Bundle Branch Block After Transcatheter Aortic Valve Replacement. Moderated poster presented at Transcatheter therapeutics 31st scientific sessions (TCT 2019). San Francisco, CA. 2019.
16. Megaly M, Brilakis E. et al. Outcomes With Deferred Compared With Performed Revascularization of Coronary Lesions With Fractional Flow Reserve Values in the “Grey- Zone”. Moderated poster presented at Transcatheter therapeutics 31st scientific sessions (TCT 2019). San Francisco, CA. 2019.

17. Megaly M, Brilakis ES. Impella-supported Left Main PCI in a Patient with RCA CTO. Case presented at the Cardiovascular Innovations scientific sessions (CVI 2019). Denver, CO. 2019.
18. Megaly M, Garcia S. Percutaneous closure of a post-TAVR Aorta-RV fistula. Case presented at the Cardiovascular Innovations scientific sessions (CVI 2019). Denver, CO. 2019.
19. Megaly M, Brilakis ES. Double-kiss crush of the left main, overcoming challenges. Case presented at the Cardiovascular Innovations scientific sessions (CVI 2019). Denver, CO. 2019.
20. Megaly M, Ali A, et al. Outcomes with Drug-coated Balloons versus Drug-eluting Stents in Percutaneous Coronary Intervention in Diabetic Patients. Moderated poster presented at Transcatheter therapeutics 30th scientific sessions (TCT 2018). San Diego, CA. 2018
21. Megaly M, Rofael M, et al. Outcomes with Drug-coated balloons in Small-Vessel Coronary Artery Disease. Moderated poster presented at Transcatheter therapeutics 30th scientific sessions (TCT 2018). San Diego, CA. 2018
22. Megaly M, Brilakis ES. Ad hoc left main PCI. Case presented at the Cardiovascular Innovations scientific sessions (CVI 2018). Denver, CO. 2018
23. Megaly M. Laparoscopic Gastric Plication in Management of Morbid Obesity. Master of science in surgery thesis discussed at Ain shams University, Faculty of Medicine. July 2012.

Invited Lectures and Presentations

Lecturer “Controlling your knuckle in Retrograde CTO PCI”. ML CTO Middle East 2024. Cairo, Egypt (October 2024)

Lecturer “Setting the scene for CTO PCI”. ML CTO Middle East 2024. Cairo, Egypt (October 2024)

Lecturer “Drug-Coated Balloons in coronary interventions, the future.” CVI 2024. Denver, Colorado (July 2024)

Lecturer “Mechanical Circulatory Support in Complex PCI, When and How”. CRT 2024 Washington DC (March 2024)

Lecturer “*Mechanical Circulatory Support for Complex High-Risk Coronary Interventions*” New Cardiovascular Horizon (NCVH). Shreveport, LA (March 2023).

Lecturer "Consideration of MCS in valvular heart disease" American College of Cardiology/World Congress of Cardiology, New Orleans, LA (March 2023)

Lecturer "Consideration of MCS use in Complex PCI" University of Iowa Interventional Cardiology noon conference. Iowa City, IOWA (November 2022)

Lecturer "Use of MCS in CHIP" Sociedad Puertorriquena de Cardiologia Intervencional (SPCI). San Juan, PR (September 2022)

Lecturer "Management of complications in CTO PCI" Sociedad Puertorriquena de Cardiologia Intervencional (SPCI). San Juan, PR (September 2022)

Presenter "Use of Antegrade Antegrade dissection reentry (AADR) through LIMA." Cases with the Masters. Transcatheter Therapeutics (TCT) scientific sessions. Boston, MA (September 2022)

Presenter "Side power knuckle and antegrade antegrade dissection re-entry for CTO PCO" Society of Cardiovascular Angiography and Interventions meeting. Atlanta. GA (May 2022)

Presenter "Retrograde CTO PCI through epicardial collaterals." American College of Cardiology/Society for Cardiovascular Angiography and Intervention (ACC/SCAI) Interventional webinar. May 2022.

Presenter "Unexpected complications" Detroit Cardiovascular Society. Detroit, MI. April 2022.

Presenter "Retrograde dissection and reentry." The University of Washington CHIP cases Webinar. March 2022.

Presenter "ADR and use of Stingray balloon." The University of Washington CHIP cases Webinar. December 2021.

Presenter "Treating ostial calcification. "Antegrade wire escalation." The University of Washington CHIP cases Webinar. October 2021.

Presenter "Treating ostial calcification. Severely calcified single ostium coronary tree." The University of Washington CHIP cases Webinar. September 2021.

Presenter. "Atherectomy techniques to overcome balloon uncrossable and balloon undilatable lesions." Atherectomy Case Competition, Cardiovascular Innovations Foundation. February 2021.

Lecturer. “Retrograde left circumflex CTO PCI through an SVG: deflection technique, DK-Crush, and occlusion of the SVG.” Best Coronary Cases. The Society for Cardiovascular Angiography and Interventions 43rd Virtual Annual Scientific Sessions (SCAI). May 2020.

Lecturer. “Vascular brachytherapy, the rise of the Phoenix.” Minneapolis Heart Institute at Abbott Northwestern Hospital Grand Rounds. April 20th, 2020

Interview guest. “Radial vs. femoral access in chronic total occlusion percutaneous coronary intervention.” Cardiovascular Innovations Scientific meeting. July 2019

Lecturer. “Distal left main PCI, DK-Crush troubleshooting.” Tips and Tricks in Left Main and Bifurcations, The Sequel session. The Society for Cardiovascular Angiography and Interventions 42nd Annual Scientific Sessions (SCAI). Las Vegas, NV. May 2019

Podcast interview guest. “Role of drug-coated balloons in small vessel coronary artery disease.” Parallax podcast, Radcliff Cardiology. May 2019.

Lecturer. “Drug coated balloons, the missing piece in the puzzle.” Minneapolis Heart Institute at Abbott Northwestern Hospital Grand Rounds. April 20th, 2019