

MHIF Center for Coronary Artery Disease Publications

January 1st, 2022 – October, 2022

Manuscripts

1. Apple, F. S., Smith, S. W., Greenslade, J. H., Sandoval, Y., Parsonage, W., Ranasinghe, I., Gaikwad, N. J., Schulz, K., Stephensen, L., Schmidt, C. W., Okeson, B., Cullen, L., & SAMIE Investigators (2022). Single High-Sensitivity Point of Care Whole Blood Cardiac Troponin I Measurement to Rule Out Acute Myocardial Infarction at Low Risk. *Circulation*, 10.1161/CIRCULATIONAHA.122.061148. Advance online publication. <https://doi.org/10.1161/CIRCULATIONAHA.122.061148>
2. Azzalini, L., Brilakis, E. S., & Santiago, R. (2022). Rotational Atherectomy to Pulverize a Fractured Microcatheter Tip: Clean Up After Yourself!. *The Canadian journal of cardiology*, 38(10), 1518–1520. <https://doi.org/10.1016/j.cjca.2022.06.026>
3. Elbadawi, A., Sedhom, R., Dang, A. T., Gad, M. M., Rahman, F., Brilakis, E. S., Elgendy, I. Y., & Jneid, H. (2022). Fractional flow reserve versus angiography alone in guiding myocardial revascularisation: a systematic review and meta-analysis of randomised trials. *Heart (British Cardiac Society)*, 108(21), 1699–1706. <https://doi.org/10.1136/heartjnl-2021-320768>
4. Kostantinis, S., Simsek, B., Karacsonyi, J., Alaswad, K., Basir, M. B., Megaly, M., Gorgulu, S., Krestyaninov, O., Khelimskii, D., Davies, R. E., Benton, S. M., Khatri, J. J., ElGuindy, A. M., Goktekin, O., Abi Rafeh, N., Allana, S., Brilakis, E. S., & Prasad, M. (2022). Gender differences in chronic total occlusion percutaneous coronary interventions: Insights from the PROGRESS-CTO registry. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 10.1002/ccd.30425. Advance online publication. <https://doi.org/10.1002/ccd.30425>
5. Kostantinis, S., Simsek, B., Karacsonyi, J., Alaswad, K., Jaffer, F. A., Khatri, J. J., Choi, J. W., Jaber, W. A., Rinfret, S., Nicholson, W., Patel, M. P., Mahmud, E., Toma, C., Davies, R. E., Kerrigan, J. L., Haddad, E. V., Gorgulu, S., Abi-Rafeh, N., ElGuindy, A. M., Goktekin, O., ... Brilakis, E. (2022). Development and validation of a scoring system for predicting clinical coronary artery perforation during percutaneous coronary intervention of chronic total occlusions: the PROGRESS-CTO perforation score. *EuroIntervention : journal of EuroPCR in collaboration with the Working Group on Interventional Cardiology of the European Society of Cardiology*, EIJ-D-22-00593. Advance online publication. <https://doi.org/10.4244/EIJ-D-22-00593>
6. Kostantinis, S., Simsek, B., Karacsonyi, J., Davies, R. E., Benton, S., Nicholson, W., Rinfret, S., Jaber, W. A., Raj, L., Sandesara, P. B., Alaswad, K., Basir, M. B., Megaly, M., Khatri, J. J., Young, L. D., Jaffer, F. A., Abi Rafeh, N., Patel, M. P., Kerrigan, J. L., Haddad, E. V., ... Brilakis, E. S. (2022). Intravascular lithotripsy in chronic total occlusion percutaneous coronary intervention: Insights from the PROGRESS-CTO registry. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 100(4), 512–519. <https://doi.org/10.1002/ccd.30354>
7. Kostantinis, S., Stanberry, L., Simsek, B., Okeson, B. K., Karacsonyi, J., Garberich, R., Allana, S., Mastrodemos, O. C., Rangan, B. V., & Brilakis, E. S. (2022). Assessment of the OPEN-CLEAN Chronic Total Occlusion Percutaneous Coronary Intervention Perforation Score in the

PROGRESS-CTO Registry. *Cardiovascular revascularization medicine : including molecular interventions*, 43, 138–139. <https://doi.org/10.1016/j.carrev.2022.04.012>

8. Simsek, B., Karacsonyi, J., & Brilakis, E. S. (2022). PK Papyrus: The New Standard for Sealing Large-Vessel Coronary Perforations. *Cardiovascular revascularization medicine : including molecular interventions*, 43, 102–103. <https://doi.org/10.1016/j.carrev.2022.07.006>
9. Simsek, B., Kostantinis, S., Karacsonyi, J., Alaswad, K., Megaly, M., Karpaliotis, D., Masoumi, A., Jaber, W. A., Nicholson, W., Rinfret, S., Mashayekhi, K., Werner, G. S., McEntegart, M., Lee, S. W., Khatri, J. J., Harding, S. A., Avran, A., Jaffer, F. A., Doshi, D., Kao, H. L., ... Brilakis, E. S. (2022). A Systematic Review and Meta-Analysis of Clinical Outcomes of Patients Undergoing Chronic Total Occlusion Percutaneous Coronary Intervention. *The Journal of invasive cardiology*, 34(11), E763–E775.
10. Chami, T., Mahowald, M. K., & Brilakis, E. (2022). Retrograde approach for rewiring a jailed side branch during double kissing crush stenting. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 10.1002/ccd.30387. Advance online publication. <https://doi.org/10.1002/ccd.30387>
11. Dehghani, P., Schmidt, C. W., Garcia, S., Okeson, B., Grines, C. L., Singh, A., Patel, R., Wiley, J., Htun, W. W., Nayak, K. R., Alraies, M. C., Ghasemzadeh, N., Davidson, L. J., Acharya, D., Stone, J., Alyousef, T., Case, B. C., Dai, X., Hafiz, A. M., Madan, M., ... Henry, T. D. (2022). North American COVID-19 Myocardial Infarction (NACMI) Risk Score for Prediction of In-Hospital Mortality. *Journal of the Society for Cardiovascular Angiography & Interventions*, 1(5), 100404. <https://doi.org/10.1016/j.jscai.2022.100404>
12. Gutierrez, A. A., Kostantinis, S., Karacsonyi, J., Simsek, B., Rangan, B. V., Garcia, S. A., Nicholas Burke, M., Goessl, M., Nikolakopoulos, I., Avula, V. R., Schmidt, C., Okeson, B. K., & Brilakis, E. S. (2022). Outcomes of Patients Undergoing Bifurcations Vs Non-Bifurcation Percutaneous Coronary Intervention at a Large Tertiary Center. *Hellenic journal of cardiology : HJC = Hellenike kardiologike epitheorese*, S1109-9666(22)00119-1. Advance online publication. <https://doi.org/10.1016/j.hjc.2022.09.002>
13. Kostantinis, S., Alaswad, K., Karpaliotis, D., Jaffer, F., Jaber, W., Nicholson, W., Rinfret, S., Khatri, J., Poommipanit, P., Karacsonyi, J., Simsek, B., Vemmou, E., Nikolakopoulos, I., Koutouzis, M., Tsiafoutis, I., Riley, R., Sheikh, A., Patel, M., Gorgulu, S., ElGuindy, A. M., ... Brilakis, E. S. (2022). Primary vs Secondary Retrograde Approach in Chronic Total Occlusion Percutaneous Coronary Interventions. *The Journal of invasive cardiology*, 34(9), E672–E677.
14. Kostantinis, S., Simsek, B., Karacsonyi, J., Alaswad, K., Krestyaninov, O., Khelimskii, D., Karpaliotis, D., Jaffer, F. A., Khatri, J. J., Poommipanit, P., Choi, J. W., Jaber, W. A., Rinfret, S., Nicholson, W., Patel, M. P., Mahmud, E., Dattilo, P., Gorgulu, S., Koutouzis, M., Tsiafoutis, I., ... Brilakis, E. (2022). In-hospital outcomes and temporal trends of percutaneous coronary interventions for chronic total occlusion. *EuroIntervention : journal of EuroPCR in collaboration with the Working Group on Interventional Cardiology of the European Society of Cardiology*, EIJ-D-22-00599. Advance online publication. <https://doi.org/10.4244/EIJ-D-22-00599>
15. Megaly, M., Buda, K., Karacsonyi, J., Kostantinis, S., Simsek, B., Basir, M. B., Mashayekhi, K., Rinfret, S., McEntegart, M., Yamane, M., Azzalini, L., Alaswad, K., & Brilakis, E. S. (2022). Extraplaque versus intraplaque tracking in chronic total occlusion percutaneous coronary intervention. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 10.1002/ccd.30403. Advance online publication. <https://doi.org/10.1002/ccd.30403>

16. Megaly, M., Sedhom, R., Elbadawi, A., Buda, K., Basir, M. B., Garcia, S., Brilakis, E. S., Rinfret, S., & Alaswad, K. (2022). Trends and Outcomes of Myocardial Infarction in Patients With Previous Coronary Artery Bypass Surgery. *The American journal of cardiology*, 179, 11–17. <https://doi.org/10.1016/j.amjcard.2022.06.002>
17. Simsek, B., Kostantinis, S., Karacsonyi, J., Alaswad, K., Karpaliotis, D., Masoumi, A., Jaffer, F. A., Doshi, D., Khatri, J., Poommipanit, P., Gorgulu, S., Abi Rafeh, N., Goktekin, O., Krestyaninov, O., Davies, R., ElGuindy, A., Jefferson, B. K., Patel, T. N., Patel, M., Chandwaney, R. H., ... Brilakis, E. S. (2022). Prevalence and outcomes of balloon undilatable chronic total occlusions: Insights from the PROGRESS-CTO. *International journal of cardiology*, 362, 42–46. <https://doi.org/10.1016/j.ijcard.2022.04.057>
18. Simsek, B., Kostantinis, S., Karacsonyi, J., Allana, S., Vemmou, E., Nikolakopoulos, I., Burke, M. N., Garcia, S., Wang, Y., Chavez, I., Gössl, M., Sorajja, P., Mooney, M., Poulouse, A., Sandoval, Y., Traverse, J., Rangan, B. V., & Brilakis, E. S. (2022). Outcomes and challenges of the provisional stenting technique: Insights from the PROGRESS-BIFURCATION registry. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 10.1002/ccd.30401. Advance online publication. <https://doi.org/10.1002/ccd.30401>
19. Chami, T., Janus, S. E., Shishehbor, M. H., & Li, J. (2022). Case series of closure devices complications. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 100(2), 290–294. <https://doi.org/10.1002/ccd.30214>
20. Gorder, K., Young, W., Kapur, N. K., Henry, T. D., Garcia, S., Guddeti, R. R., & Smith, T. D. (2022). Mechanical Circulatory Support in COVID-19. *Cardiology clinics*, 40(3), 329–335. <https://doi.org/10.1016/j.ccl.2022.03.003>
21. Guddeti, R. R., Yildiz, M., Nayak, K. R., Alraies, M. C., Davidson, L., Henry, T. D., & Garcia, S. (2022). Impact of COVID-19 on Acute Myocardial Infarction Care. *Cardiology clinics*, 40(3), 345–353. <https://doi.org/10.1016/j.ccl.2022.03.004>
22. Janus, S. E., Chami, T., Mously, H., Hajjari, J., Hammad, T., Castro-Dominguez, Y., Fakorede, F., White Solaru, K., Shishehbor, M. H., Al-Kindi, S. G., & Li, J. (2022). Proportionate and Absolute Vascular Disease Mortality by Race and Sex in the United States From 1999 to 2019. *Journal of the American Heart Association*, 11(15), e025276. <https://doi.org/10.1161/JAHA.121.025276>
23. Janus, S. E., Heisler, A. C., Al Jamal, M., Chahine, N., Chami, T., Hajjari, J., Mously, H., Badhwar, A., Arora, S., Al-Juhaishi, T., Al-Kindi, S. G., & Hoit, B. D. (2022). Reported Pericardial Toxicities Associated with Acute Myelogenous Leukemia Treatments: A Pharmacovigilance Analysis of the FDA Adverse Reporting Database. *Current problems in cardiology*, 47(11), 101345. Advance online publication. <https://doi.org/10.1016/j.cpcardiol.2022.101345>
24. Kostantinis, S., Alaswad, K., Karpaliotis, D., Jaffer, F., Jaber, W., Nicholson, W., Rinfret, S., Khatri, J., Poommipanit, P., Karacsonyi, J., Simsek, B., Vemmou, E., Nikolakopoulos, I., Koutouzis, M., Tsiafoutis, I., Riley, R., Sheikh, A., Patel, M., Gorgulu, S., ElGuindy, A. M., ... Brilakis, E. S. (2022). Primary vs Secondary Retrograde Approach in Chronic Total Occlusion Percutaneous Coronary Interventions. *The Journal of invasive cardiology*, JIC20220812-1. Advance online publication.
25. Kostantinis, S., Simsek, B., Karacsonyi, J., Alaswad, K., Krestyaninov, O., Khelinskii, D., Karpaliotis, D., Jaffer, F. A., Khatri, J. J., Poommipanit, P., Jaber, W. A., Rinfret, S., Nicholson, W., Patel, M. P., Mahmud, E., Koutouzis, M., Tsiafoutis, I., Benton, S. M., Jr, Davies, R. E., Toma,

- C., ... Brilakis, E. S. (2022). Incidence, Mechanisms, Treatment, and Outcomes of Coronary Artery Perforation During Chronic Total Occlusion Percutaneous Coronary Intervention. *The American journal of cardiology*, S0002-9149(22)00739-1. Advance online publication. <https://doi.org/10.1016/j.amjcard.2022.07.004>
26. Kostantinis, S., Simsek, B., Karacsonyi, J., Davies, R. E., Benton, S., Nicholson, W., Rinfret, S., Jaber, W. A., Raj, L., Sandesara, P. B., Alaswad, K., Basir, M. B., Megaly, M., Khatri, J. J., Young, L. D., Jaffer, F. A., Abi Rafeh, N., Patel, M. P., Kerrigan, J. L., Haddad, E. V., ... Brilakis, E. S. (2022). Intravascular lithotripsy in chronic total occlusion percutaneous coronary intervention: Insights from the PROGRESS-CTO registry. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 10.1002/ccd.30354. Advance online publication. <https://doi.org/10.1002/ccd.30354>
27. Mously, H., Hajjari, J., Chami, T., Hammad, T., Schilz, R., Carman, T., Elgudin, Y., Abu-Omar, Y., Pelletier, M. P., Shishehbor, M. H., & Li, J. (2022). Percutaneous mechanical thrombectomy and extracorporeal membranous oxygenation: A case series. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 100(2), 274–278. <https://doi.org/10.1002/ccd.30295>
28. Simsek, B., Jaffer, F. A., Kostantinis, S., Karacsonyi, J., Koike, H., Doshi, D., Alaswad, K., Gorgulu, S., Goktekin, O., Khatri, J., Poommipanit, P., Krestyaninov, O., Davies, R., ElGuindy, A., Jefferson, B. K., Patel, T., Patel, M., Rinfret, S., Jaber, W. A., Nicholson, W., ... Brilakis, E. S. (2022). Preprocedural coronary computed tomography angiography in chronic total occlusion percutaneous coronary intervention: Insights from the PROGRESS-CTO registry. *International journal of cardiology*, S0167-5273(22)01192-5. Advance online publication. <https://doi.org/10.1016/j.ijcard.2022.08.027>
29. Xenogiannis, I., Vemmou, E., & Sharkey, S. W. (2022). Serial T-Wave Changes in a Patient With Chest Pain. *JAMA internal medicine*, 182(8), 874–875. <https://doi.org/10.1001/jamainternmed.2022.2389>
30. Ahmed, A., Aguirre, F. V., Chambers, J., Sharkey, S. W., Tannenbaum, M. A., Yildiz, M., Garberich, R., Garcia, S., & Henry, T. D. (2022). STEMI: Considerations for Left Main Culprit Lesions. *Current cardiology reports*, 24(6), 645–651. <https://doi.org/10.1007/s11886-022-01685-6>
31. Ahmed, A., Aguirre, F. V., Chambers, J., Sharkey, S. W., Tannenbaum, M. A., Yildiz, M., Garberich, R., Garcia, S., & Henry, T. D. (2022). STEMI: Considerations for Left Main Culprit Lesions. *Current cardiology reports*, 10.1007/s11886-022-01685-6. Advance online publication. <https://doi.org/10.1007/s11886-022-01685-6>
32. Avula, V., Karacsonyi, J., Kostantinis, S., Simsek, B., Rangan, B. V., Gutierrez, A. A., Burke, M. N., Garcia, S., Mooney, M., Sorajja, P., Traverse, J. H., Poulouse, A., Chavez, I., Wang, Y., Goessl, M., & Brilakis, E. S. (2022). Incidence, Treatment, and Outcomes of Coronary Artery Perforation During Percutaneous Coronary Intervention. *The Journal of invasive cardiology*, 34(7), E499–E504.
33. Avula, V., Karacsonyi, J., Kostantinis, S., Simsek, B., Rangan, B. V., Gutierrez, A. A., Burke, M. N., Garcia, S., Mooney, M., Sorajja, P., Traverse, J. H., Poulouse, A., Chavez, I., Wang, Y., Goessl, M., & Brilakis, E. S. (2022). Incidence, Treatment, and Outcomes of Coronary Artery Perforation During Percutaneous Coronary Intervention. *The Journal of invasive cardiology*, 34(7), E499–E504.
34. Azzalini, L., Brilakis, E. S., & Santiago, R. (2022). Rotational atherectomy to pulverize a fractured microcatheter tip: Clean up after yourself!. *The Canadian journal of cardiology*, S0828-282X(22)00406-8. Advance online publication. <https://doi.org/10.1016/j.cjca.2022.06.026>

35. Azzalini, L., Karpaliotis, D., Santiago, R., Mashayekhi, K., Di Mario, C., Rinfret, S., Nicholson, W. J., Carlino, M., Yamane, M., Tsuchikane, E., & Brilakis, E. S. (2022). Contemporary Issues in Chronic Total Occlusion Percutaneous Coronary Intervention. *JACC. Cardiovascular interventions*, 15(1), 1–21. <https://doi.org/10.1016/j.jcin.2021.09.027>
36. Bansal, P., Luna, M., Dutton, M., Maini, A., Banerjee, S., Brilakis, E. S., Maini, B., & Khalili, H. (2022). Enhancing occupational safety in the X-ray laboratory. *Coronary artery disease*, 33(4), 311–317. <https://doi.org/10.1097/MCA.0000000000001091>
37. Brilakis, E. S., & Allana, S. (2022). Chronic Total Occlusion Intervention Failure: When and How to Reattempt. *JACC. Cardiovascular interventions*, 15(14), 1438–1440. <https://doi.org/10.1016/j.jcin.2022.06.006>
38. Brilakis, E. S., Simsek, B., & Kostantinis, S. (2022). Distal radial access: A better way to the heart?. *Kardiologia polska*, 10.33963/KP.a2022.0131. Advance online publication. <https://doi.org/10.33963/KP.a2022.0131>
39. Chami, T., Janus, S. E., Shishehbor, M. H., & Li, J. (2022). Case series of closure devices complications. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 10.1002/ccd.30214. Advance online publication. <https://doi.org/10.1002/ccd.30214>
40. Chami, T., Janus, S., Mahowald, M. K., & Brilakis, E. S. (2022). An interventional Odyssey: the importance of planning and prompt recognition and treatment of complications during a complex chronic total occlusion intervention. *Cardiovascular revascularization medicine : including molecular interventions*, S1553-8389(22)00219-6. Advance online publication. <https://doi.org/10.1016/j.carrev.2022.04.018>
41. Chugh, Y., & Brilakis, E. S. (2022). What is the best road to the heart?. *Hellenic journal of cardiology : HJC = Hellenike kardiologike epitheorese*, 64, 87–89. <https://doi.org/10.1016/j.hjc.2021.07.008>
42. Chugh, Y., Buttar, R., Kwan, T., Vemmou, E., Karacsonyi, J., Nikolakopoulos, I., Garcia, S., Goessl, M., Wang, Y., Chavez, I., Poulouse, A., Burke, M. N., & Brilakis, E. S. (2022). Outcomes of Intravascular Ultrasound-Guided Versus Angiography-Guided Percutaneous Coronary Interventions in Chronic Total Occlusions: A Systematic Review and Meta-Analysis. *The Journal of invasive cardiology*, 34(4), E310–E318.
43. Dehghani, P., Schmidt, C. W., Garcia, S., Okeson, B., Grines, C. L., Singh, A., Patel, R., Wiley, J., Htun, W. W., Nayak, K. R., Alraies, M. C., Ghasemzadeh, N., Davidson, L. J., Acharya, D., Stone, J., Alyousef, T., Case, B. C., Dai, X., Hafiz, A. M., Madan, M., ... Henry, T. D. (2022). North American COVID-19 Myocardial Infarction (NACMI) Risk Score for Prediction of In-Hospital Mortality. *Journal of the Society for Cardiovascular Angiography & Interventions*, 100404. Advance online publication. <https://doi.org/10.1016/j.jscai.2022.100404>
44. Elbadawi, A., Sedhom, R., Dang, A. T., Gad, M. M., Rahman, F., Brilakis, E. S., Elgendy, I. Y., & Jneid, H. (2022). Fractional flow reserve versus angiography alone in guiding myocardial revascularisation: a systematic review and meta-analysis of randomised trials. *Heart (British Cardiac Society)*, heartjnl-2021-320768. Advance online publication. <https://doi.org/10.1136/heartjnl-2021-320768>
45. Fukui, M., Bapat, V. N., Garcia, S., Dworak, M. W., Hashimoto, G., Sato, H., Gössl, M., Enriquez-Sarano, M., Lesser, J. R., Cavalcante, J. L., & Sorajja, P. (2022). Deformation of Transcatheter Aortic Valve Prostheses: Implications for Hypoattenuating Leaflet Thickening and Clinical

- Outcomes. *Circulation*, 101161CIRCULATIONAHA121058339. Advance online publication. <https://doi.org/10.1161/CIRCULATIONAHA.121.058339>
46. Garcia, S., Dehghani, P., Stanberry, L., Grines, C., Patel, R., Nayak, K. R., Singh, A., Htun, W. W., Kabour, A., Ghasemzadeh, N., Sanina, C., Aragon, J., Alraies, M. C., Benziger, C., Okeson, B., Garberich, R., Welt, F. G., Davidson, L., Hafiz, A. M., Acharya, D., ... Henry, T. D. (2022). Trends in Clinical Presentation, Management, and Outcomes of STEMI in Patients With COVID-19. *Journal of the American College of Cardiology*, 79(22), 2236–2244. <https://doi.org/10.1016/j.jacc.2022.03.345>
47. Garcia, S., Dehghani, P., Stanberry, L., Grines, C., Patel, R., Nayak, K. R., Singh, A., Htun, W. W., Kabour, A., Ghasemzadeh, N., Sanina, C., Aragon, J., Alraies, M. C., Benziger, C., Okeson, B., Garberich, R., Welt, F. G., Davidson, L., Hafiz, A. M., Acharya, D., ... Henry, T. D. (2022). Trends in Clinical Presentation, Management, and Outcomes of STEMI in Patients With COVID-19. *Journal of the American College of Cardiology*, 79(22), 2236–2244. <https://doi.org/10.1016/j.jacc.2022.03.345>
48. Gorgulu, S., Kalay, N., Norgaz, T., Kocas, C., Goktekin, O., & Brilakis, E. S. (2022). Femoral or Radial Approach in Treatment of Coronary Chronic Total Occlusion: A Randomized Clinical Trial. *JACC. Cardiovascular interventions*, 15(8), 823–830. <https://doi.org/10.1016/j.jcin.2022.02.012>
49. Gunsolus, I. L., Schulz, K., Sandoval, Y., Smith, S. W., Lindgren, B., Okeson, B., & Apple, F. S. (2022). Diagnostic performance of a rapid, novel, whole blood, point of care high-sensitivity cardiac troponin I assay for myocardial infarction. *Clinical biochemistry*, 105-106, 70–74. <https://doi.org/10.1016/j.clinbiochem.2022.04.008>
50. Gunsolus, I. L., Schulz, K., Sandoval, Y., Smith, S. W., Lindgren, B., Okeson, B., & Apple, F. S. (2022). Diagnostic performance of a rapid, novel, whole blood, point of care high-sensitivity cardiac troponin I assay for myocardial infarction. *Clinical biochemistry*, S0009-9120(22)00106-0. Advance online publication. <https://doi.org/10.1016/j.clinbiochem.2022.04.008>
51. Gutierrez, A., Chugh, Y., Konstantinis, S., & Brilakis, E. S. (2022). The perils of buddy wire use with a Filterwire. *Cardiovascular revascularization medicine : including molecular interventions*, S1553-8389(22)00001-X. Advance online publication. <https://doi.org/10.1016/j.carrev.2022.01.001>
52. Janus, S. E., Chami, T., Karnib, M., Mously, H., Hajjari, J., Badhwar, A. K., Al-Juhaishi, T., Li, J., Shishehbor, M. H., & Al-Kindi, S. G. (2022). Trends and disparities in pulmonary embolism mortality among patients with cancer. *Vascular medicine (London, England)*, 1358863X221103626. Advance online publication. <https://doi.org/10.1177/1358863X221103626>
53. Janus, S. E., Chami, T., Mously, H., Hajjari, J., Hammad, T., Castro-Dominguez, Y., Fakorede, F., White Solaru, K., Shishehbor, M. H., Al-Kindi, S. G., & Li, J. (2022). Proportionate and Absolute Vascular Disease Mortality by Race and Sex in the United States From 1999 to 2019. *Journal of the American Heart Association*, e025276. Advance online publication. <https://doi.org/10.1161/JAHA.121.025276>
54. Janus, S. E., Hajjari, J., Chami, T., Mously, H., Badhwar, A. K., Karnib, M., Carneiro, H., Rahman, M., & Al-Kindi, S. G. (2022). Multi-variable biomarker approach in identifying incident heart failure in chronic kidney disease: results from the Chronic Renal Insufficiency Cohort study. *European journal of heart failure*, 10.1002/ejhf.2543. Advance online publication. <https://doi.org/10.1002/ejhf.2543>

55. Jovin, I. S., Warsavage, T. J., Plomondon, M. E., Grunwald, G. K., Waldo, S. W., Rao, S. V., Brilakis, E. S., & Azzalini, L. (2022). Iso-osmolar versus low-osmolar contrast media and outcomes after percutaneous coronary intervention: Insights from the VA CART Program. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 100(1), 85–93. <https://doi.org/10.1002/ccd.30218>
56. Jovin, I. S., Warsavage, T. J., Plomondon, M. E., Grunwald, G. K., Waldo, S. W., Rao, S. V., Brilakis, E. S., & Azzalini, L. (2022). Iso-osmolar versus low-osmolar contrast media and outcomes after percutaneous coronary intervention: Insights from the VA CART Program. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 10.1002/ccd.30218. Advance online publication. <https://doi.org/10.1002/ccd.30218>
57. Kandzari, D. E., Alaswad, K., Jaffer, F. A., Brilakis, E., Croce, K., Kearney, K., Spaedy, A., Yeh, R., Thompson, C., Nicholson, W., Wyman, R. M., Riley, R., Lansky, A., Buller, C., & Karpaliotis, D. (2022). Safety and efficacy of dedicated guidewire, microcatheter, and guide catheter extension technologies for chronic total coronary occlusion revascularization: Primary results of the Teleflex Chronic Total Occlusion Study. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 99(2), 263–270. <https://doi.org/10.1002/ccd.29962>
58. Karacsonyi, J., Brilakis, E. S., & Chandwaney, R. H. (2022). Guide-Extension Carlino: A novel technique for crossing a microcatheter uncrossable proximal cap during chronic total occlusion interventions. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 99(7), 2038–2042. <https://doi.org/10.1002/ccd.30207>
59. Karacsonyi, J., Brilakis, E. S., & Chandwaney, R. H. (2022). Guide-Extension Carlino: A novel technique for crossing a microcatheter uncrossable proximal cap during chronic total occlusion interventions. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 10.1002/ccd.30207. Advance online publication. <https://doi.org/10.1002/ccd.30207>
60. Karacsonyi, J., Koike, H., Fukui, M., Kostantinis, S., Simsek, B., & Brilakis, E. S. (2022). Retrograde Treatment of a Right Coronary Artery Perforation. *JACC. Cardiovascular interventions*, 15(6), 670–672. <https://doi.org/10.1016/j.jcin.2022.01.004>
61. Karacsonyi, J., Koike, H., Fukui, M., Kostantinis, S., Simsek, B., & Brilakis, E. S. (2022). Retrograde Treatment of a Right Coronary Artery Perforation. *JACC. Cardiovascular interventions*, S1936-8798(22)00004-8. Advance online publication. <https://doi.org/10.1016/j.jcin.2022.01.004>
62. Latif, A., Ahsan, M. J., Lateef, N., Aurit, S., Mirza, M. M., Siller-Matula, J. M., Mamas, M. A., Parikh, M., Brilakis, E. S., Abbott, J. D., Bhatt, D. L., & Velagapudi, P. (2022). Impact of sex on outcomes of percutaneous coronary intervention for chronic total occlusion: A meta-analysis. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 99(2), 254–262. <https://doi.org/10.1002/ccd.30017>
63. Mahowald, M. K., Chami, T., & Brilakis, E. S. (2022). The supportive guidewire paradox: How extra support guidewires may hinder equipment delivery through tortuous and calcified coronary lesions. *Cardiovascular revascularization medicine : including molecular interventions*, S1553-8389(22)00236-6. Advance online publication. <https://doi.org/10.1016/j.carrev.2022.05.007>

64. Megaly, M., Basir, M. B., Brilakis, E., & Alaswad, K. (2022). Extra-stent subintimal plaque modification; a novel technique to overcome resistant stent underexpansion. *Cardiovascular revascularization medicine : including molecular interventions*, *S1553-8389(22)00171-3*. Advance online publication. <https://doi.org/10.1016/j.carrev.2022.03.033>
65. Megaly, M., Basir, M. B., Brilakis, E., & Alaswad, K. (2022). Side Power Knuckle and Antegrade-Antegrade Dissection Re-Entry: Techniques to Overcome Difficulties in Chronic Occlusion Revascularization. *JACC. Cardiovascular interventions*, *15(1)*, e13–e15. <https://doi.org/10.1016/j.jcin.2021.10.008>
66. Megaly, M., Basir, M. B., Brilakis, E., & Alaswad, K. (2022). Wire Entrapment and Unraveling in the Aorta: Snaring Technique for the Nonvisible Filament. *JACC. Cardiovascular interventions*, *15(2)*, e21–e22. <https://doi.org/10.1016/j.jcin.2021.10.006>
67. Megaly, M., Buda, K., Alaswad, K., Brilakis, E. S., Dupont, A., Naidu, S., Ohman, M., Napp, L. C., O'Neill, W., & Basir, M. B. (2022). Comparative Analysis of Patient Characteristics in Cardiogenic Shock Studies: Differences Between Trials and Registries. *JACC. Cardiovascular interventions*, *15(3)*, 297–304. <https://doi.org/10.1016/j.jcin.2021.11.036>
68. Megaly, M., Buda, K., Mashayekhi, K., Werner, G. S., Grantham, J. A., Rinfret, S., McEntegart, M., Brilakis, E. S., & Alaswad, K. (2022). Comparative Analysis of Patient Characteristics in Chronic Total Occlusion Revascularization Studies: Trials vs Real-World Registries. *JACC. Cardiovascular interventions*, *15(14)*, 1441–1449. <https://doi.org/10.1016/j.jcin.2022.05.023>
69. Megaly, M., Buda, K., Saad, M., Tawadros, M., Elbadawi, A., Basir, M., Abbott, J. D., Rinfret, S., Alaswad, K., & Brilakis, E. S. (2022). Outcomes With Drug-Coated Balloons vs. Drug-Eluting Stents in Small-Vessel Coronary Artery Disease. *Cardiovascular revascularization medicine : including molecular interventions*, *35*, 76–82. <https://doi.org/10.1016/j.carrev.2021.03.008>
70. Megaly, M., Khalil, M., Basir, M. B., McEntegart, M. B., Spratt, J. C., Yamane, M., Tsuchikane, E., Xu, B., Alaswad, K., & Brilakis, E. S. (2022). Outcomes of successful vs. failed contemporary chronic total occlusion percutaneous coronary intervention. *Cardiovascular intervention and therapeutics*, *37(3)*, 483–489. <https://doi.org/10.1007/s12928-021-00819-x>
71. Megaly, M., Morcos, R., Khalil, C., Garcia, S., Basir, M., Maini, B., Khalili, H., Burke, M. N., Alaswad, K., & Brilakis, E. S. (2022). Complications and failure modes of coronary embolic protection devices: Insights from the MAUDE database. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, *99(2)*, 405–410. <https://doi.org/10.1002/ccd.29717>
72. Megaly, M., Morcos, R., Kucharik, M., Tawadros, M., Basir, M. B., Pershad, A., Maini, B., Khalili, H., Alaswad, K., & Brilakis, E. S. (2022). Complications and Failure Modes of Polymer-Jacketed Guidewires; Insights From the MAUDE Database. *Cardiovascular revascularization medicine : including molecular interventions*, *36*, 132–135. <https://doi.org/10.1016/j.carrev.2021.04.027>
73. Megaly, M., Schmidt, C. W., Dworak, M. W., Garberich, R., Stanberry, L., Sharkey, S., Brilakis, E. S., Aguirre, F. V., Pacheco, R., Tannenbaum, M., Coulson, T., Smith, T. D., Henry, T. D., & Garcia, S. (2022). Diabetic Patients Who Present With ST-Elevation Myocardial Infarction. *Cardiovascular revascularization medicine : including molecular interventions*, *38*, 89–93. <https://doi.org/10.1016/j.carrev.2021.08.003>
74. Megaly, M., Sedhom, R., Abdelmaseeh, P., ElBebawy, B., Goel, S. S., Karam, J., Pershad, A., Brilakis, E. S., & Garcia, S. (2022). Complications of the MANTA Closure Device: Insights From

- MAUDE Database. Cardiovascular revascularization medicine : including molecular interventions, 34, 75–79. <https://doi.org/10.1016/j.carrev.2021.02.013>
75. Megaly, M., Sedhom, R., Elbadawi, A., Buda, K., Basir, M. B., Garcia, S., Brilakis, E. S., Rinfret, S., & Alaswad, K. (2022). Trends and Outcomes of Myocardial Infarction in Patients With Previous Coronary Artery Bypass Surgery. *The American journal of cardiology*, S0002-9149(22)00631-2. Advance online publication. <https://doi.org/10.1016/j.amjcard.2022.06.002>
76. Megaly, M., Sedhom, R., Elbadawi, A., Saad, M., Omer, M., Brilakis, E. S., Basir, M. B., Jaffer, F. A., Zaidan, M., Alqarqaz, M., & Alaswad, K. (2022). Trends and Outcomes of Utilization of Thrombectomy During Primary Percutaneous Coronary Intervention. *Cardiovascular revascularization medicine : including molecular interventions*, 36, 83–88. <https://doi.org/10.1016/j.carrev.2021.05.021>
77. Megaly, M., Sedhom, R., Zordok, M., Burke, M. N., Basir, M., Rinfret, S., Nicholson, W., Karpaliotis, D., Alaswad, K., & Brilakis, E. S. (2022). Complications and Failure Modes of Stingray LP Balloon: Insights From the MAUDE Database. *Cardiovascular revascularization medicine : including molecular interventions*, 35, 187–188. <https://doi.org/10.1016/j.carrev.2021.03.007>
78. Megaly, M., Zordok, M., Mentias, A., Chugh, Y., Buttar, R. S., Basir, M. B., Burke, M. N., Karpaliotis, D., Azzalini, L., Alaswad, K., & Brilakis, E. S. (2022). Complications and Failure Modes of Covered Coronary Stents: Insights From the MAUDE Database. *Cardiovascular revascularization medicine : including molecular interventions*, 35, 157–160. <https://doi.org/10.1016/j.carrev.2021.04.002>
79. Morcos, R., Megaly, M., Saad, M., Barakat, A. F., Rubens, M., Saxena, A., Elbadawi, A., Kucharik, M., Luna, M., Garcia, S., Veledar, E., Maini, B., & Khalili, H. (2022). In-hospital outcomes of transesophageal versus intracardiac echocardiography guided left atrial appendage closure. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 99(5), 1572–1581. <https://doi.org/10.1002/ccd.30086>
80. Morcos, R., Megaly, M., Saad, M., Barakat, A. F., Rubens, M., Saxena, A., Elbadawi, A., Kucharik, M., Luna, M., Garcia, S., Veledar, E., Maini, B., & Khalili, H. (2022). In-hospital outcomes of transesophageal versus intracardiac echocardiography guided left atrial appendage closure. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 10.1002/ccd.30086. Advance online publication. <https://doi.org/10.1002/ccd.30086>
81. Mously, H., Hajjari, J., Chami, T., Hammad, T., Schilz, R., Carman, T., Elgudin, Y., Abu-Omar, Y., Pelletier, M. P., Shishehbor, M. H., & Li, J. (2022). Percutaneous mechanical thrombectomy and extracorporeal membranous oxygenation: A case series. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 10.1002/ccd.30295. Advance online publication. <https://doi.org/10.1002/ccd.30295>
82. Nikolakopoulos, I., Lopes, B., Vemmou, E., Karacsonyi, J., Cavalcante, J., Lesser, J., & Brilakis, E. S. (2022). Anomalous interarterial right coronary artery culprit vessel in ST-segment elevation myocardial infarction. *Coronary artery disease*, 10.1097/MCA.0000000000001089. Advance online publication. <https://doi.org/10.1097/MCA.0000000000001089>
83. Nikolakopoulos, I., Vemmou, E., Karacsonyi, J., Alaswad, K., Karpaliotis, D., Rafeh, N. A., Schimmel, D., Benzuly, K., Flaherty, J. D., Poomipanit, P., ElGuindy, A. M., Nicholas Burke, M., & Brilakis, E. S. (2022). Percutaneous Coronary Intervention of Chronic Total Occlusions Involving a

Bifurcation: Insights from the PROGRESS-CTO Registry. *Hellenic journal of cardiology : HJC = Hellenike kardiologike epitheorese*, S1109-9666(22)00025-2. Advance online publication. <https://doi.org/10.1016/j.hjc.2022.02.005>

84. Nikolakopoulos, I., Vemmou, E., Karacsonyi, J., Azzalini, L., Bergmark, B. A., Chatzizisis, Y. S., Hall, A. B., Wollmuth, J., Croce, K., Jneid, H., Rangan, B. V., Burke, M. N., & Brilakis, E. S. (2022). Practice Patterns in the Interventional Treatment of Coronary Bifurcation Lesions: A Global Survey. *The Journal of invasive cardiology*, 34(1), E43–E48.
85. Nikolakopoulos, I., Vemmou, E., Karacsonyi, J., Garberich, R., Stanberry, L., Mueller, D. L., Kostantinis, S. T., Simsek, B., Rangan, B. V., Burke, M. N., & Brilakis, E. S. (2022). Characteristics and in-hospital outcomes of patients undergoing complex bifurcation versus nonbifurcation percutaneous coronary intervention. *Coronary artery disease*, 33(3), 242–244. <https://doi.org/10.1097/MCA.0000000000001063>
86. Nikolakopoulos, I., Vemmou, E., Xenogiannis, I., Karacsonyi, J., Rao, S. V., Romagnoli, E., Tsigkas, G., Milkas, A., Velagapudi, P., Alaswad, K., Rangan, B. V., Garcia, S., Burke, M. N., & Brilakis, E. S. (2022). Radial versus femoral access in patients with coronary artery bypass surgery: Frequentist and Bayesian meta-analysis. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 99(2), 462–471. <https://doi.org/10.1002/ccd.30010>
87. Simsek, B.; Kostantinis, S.; Karacsonyi, J; Alaswad, K; Karpaliotis, D; Masoumi, A; Jaffer, F. A.; Doshi, D; Khatri, J; Poommipanit, P.; Gorgulu, S.; Goktekin, O.; Krestyaninov, O; Davies, R.; ElGuindy, A.; Jefferson, B.K.; Patel, T. N.; Patel, M.; Chandwaney, R.H.; Mashayekhi, K.; Galassi, A. R.; Rangan, B.V.; Brilakis, E.S. (2022) Outcomes of chronic total occlusion percutaneous coronary intervention in patients with reduced left ventricular ejection fraction. *Catheter Cardiovasc Interv.* 2022 Mar;99(4):1059-1064.doi: 10.1002/ccd.30097. Epub 2022 Jan 23. PMID: 35066985
88. Qesada, O., Van Hon, L., Yildiz, M., Madan, M., Sanina, C., Davidson, L., Htun, W. W., Saw, J., Garcia, S., Dehghani, P., Stanberry, L., Bortnick, A., Henry, T. D., Grines, C. L., & Benziger, C. (2022). Sex Differences in Clinical Characteristics, Management Strategies, and Outcomes of STEMI With COVID-19: NACMI Registry. *Journal of the Society for Cardiovascular Angiography & Interventions*, 1(4), 100360. <https://doi.org/10.1016/j.jscai.2022.100360>
89. Rallidis, L. S., Xenogiannis, I., Brilakis, E. S., & Bhatt, D. L. (2022). Causes, Angiographic Characteristics, and Management of Premature Myocardial Infarction: JACC State-of-the-Art Review. *Journal of the American College of Cardiology*, 79(24), 2431–2449. <https://doi.org/10.1016/j.jacc.2022.04.015>
90. Sagris, M., Antonopoulos, A. S., Theofilis, P., Oikonomou, E., Siasos, G., Tsalamandris, S., Antoniades, C., Brilakis, E. S., Kaski, J. C., & Tousoulis, D. (2022). Risk factors profile of young and older patients with myocardial infarction. *Cardiovascular research*, 118(10), 2281–2292. <https://doi.org/10.1093/cvr/cvab264>
91. Sanz-Sánchez, J., Mashayekhi, K., Agostoni, P., Egred, M., Avran, A., Kalyanasundaram, A., Garbo, R., Colombo, A., Regazzoli, D., Reimers, B., Brilakis, E. S., & Gasparini, G. L. (2022). Device entrapment during percutaneous coronary intervention. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 99(6), 1766–1777. <https://doi.org/10.1002/ccd.30160>

92. Sanz-Sánchez, J., Mashayekhi, K., Agostoni, P., Egred, M., Avran, A., Kalyanasundaram, A., Garbo, R., Colombo, A., Regazzoli, D., Reimers, B., Brilakis, E. S., & Gasparini, G. L. (2022). Device entrapment during percutaneous coronary intervention. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 10.1002/ccd.30160. Advance online publication. <https://doi.org/10.1002/ccd.30160>
93. Sedhom, R., Megaly, M., Abdelmaseeh, P., Elbadawi, A., Omer, M., Janzer, S., Garcia, S., & Brilakis, E. S. (2022). Complications and Failure Modes of the Penumbra Indigo CAT RX Aspiration System in Percutaneous Coronary Intervention: Insights From the MAUDE Database. *Cardiovascular revascularization medicine : including molecular interventions*, 37, 147–148. <https://doi.org/10.1016/j.carrev.2021.07.013>
94. Simsek, B., & Brilakis, E. S. (2022). Chronic total occlusion percutaneous coronary intervention in prior coronary artery bypass graft surgery patients: Caveat Emptor!. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 99(1), 85–87. <https://doi.org/10.1002/ccd.30037>
95. Simsek, B., Gorgulu, S., Kostantinis, S., Karacsonyi, J., Alaswad, K., Jaffer, F. A., Doshi, D., Goktekin, O., Kerrigan, J., Haddad, E., Patel, M., Rinfret, S., Jaber, W. A., Nicholson, W., Rafeh, N. A., Allana, S., Koutouzis, M., Brilakis, E. S., & PROGRESS-CTO investigators (2022). Radial access for chronic total occlusion percutaneous coronary intervention: Insights from the PROGRESS-CTO registry. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 10.1002/ccd.30347. Advance online publication. <https://doi.org/10.1002/ccd.30347>
96. Simsek, B., Karacsonyi, J., & Brilakis, E. S. (2022). PK papyrus: The new standard for sealing large vessel coronary perforations. *Cardiovascular revascularization medicine : including molecular interventions*, S1553-8389(22)00648-0. Advance online publication. <https://doi.org/10.1016/j.carrev.2022.07.006>
97. Simsek, B., Kostantinis, S., Karacsonyi, J., & Brilakis, E. S. (2022). Scores for Chronic Total Occlusion Percutaneous Coronary Intervention: A Window to the Future?. *Journal of the American Heart Association*, 11(10), e026070. <https://doi.org/10.1161/JAHA.122.026070>
98. Simsek, B., Kostantinis, S., Karacsonyi, J., Alaswad, K., Jaffer, F. A., Doshi, D., Gorgulu, S., Goktekin, O., Kerrigan, J., Haddad, E., Rinfret, S., Jaber, W. A., Nicholson, W., Abi Rafeh, N., Allana, S., Koutouzis, M., Tsiafoutis, Y., Brilakis, E. S., & PROGRESS-CTO Investigators (2022). Antegrade dissection and re-entry versus parallel wiring in chronic total occlusion percutaneous coronary intervention: Insights from the PROGRESS-CTO registry. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 10.1002/ccd.30346. Advance online publication. <https://doi.org/10.1002/ccd.30346>
99. Simsek, B., Kostantinis, S., Karacsonyi, J., Alaswad, K., Karpalioitis, D., Masoumi, A., Jaffer, F. A., Doshi, D., Khatri, J., Poommipanit, P., Gorgulu, S., Abi Rafeh, N., Goktekin, O., Krestyaninov, O., Davies, R., ElGuindy, A., Haddad, E. V., Kerrigan, J., Patel, M., Chandwaney, R. H., ... Brilakis, E. S. (2022). Predictors of success in primary retrograde strategy in chronic total occlusion percutaneous coronary intervention: insights from the PROGRESS-chronic total occlusion registry. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 100(1), 19–27. <https://doi.org/10.1002/ccd.30228>

100. Simsek, B., Kostantinis, S., Karacsonyi, J., Alaswad, K., Karpaliotis, D., Masoumi, A., Jaffer, F. A., Doshi, D., Khatri, J., Poommipanit, P., Gorgulu, S., Abi Rafeh, N., Goktekin, O., Krestyaninov, O., Davies, R., ElGuindy, A., Haddad, E. V., Kerrigan, J., Patel, M., Chandwaney, R. H., ... Brilakis, E. S. (2022). Predictors of success in primary retrograde strategy in chronic total occlusion percutaneous coronary intervention: insights from the PROGRESS-chronic total occlusion registry. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 10.1002/ccd.30228. Advance online publication. <https://doi.org/10.1002/ccd.30228>
101. Simsek, B., Kostantinis, S., Karacsonyi, J., Alaswad, K., Karpaliotis, D., Masoumi, A., Jaffer, F. A., Doshi, D., Khatri, J., Poommipanit, P., Gorgulu, S., Rafeh, N. A., Goktekin, O., Krestyaninov, O., Davies, R., ElGuindy, A., Jefferson, B. K., Patel, T. N., Patel, M., Chandwaney, R. H., ... Brilakis, E. S. (2022). Prevalence and outcomes of balloon undilatable chronic total occlusions: Insights from the PROGRESS-CTO. *International journal of cardiology*, S0167-5273(22)00573-3. Advance online publication. <https://doi.org/10.1016/j.ijcard.2022.04.057>
102. Simsek, B., Kostantinis, S., Karacsonyi, J., Alaswad, K., Krestyaninov, O., Khelimskii, D., Davies, R., Rier, J., Goktekin, O., Gorgulu, S., ElGuindy, A., Chandwaney, R. H., Patel, M., Abi Rafeh, N., Karpaliotis, D., Masoumi, A., Khatri, J. J., Jaffer, F. A., Doshi, D., Poommipanit, P. B., ... Brilakis, E. S. (2022). Predicting Periprocedural Complications in Chronic Total Occlusion Percutaneous Coronary Intervention: The PROGRESS-CTO Complication Scores. *JACC. Cardiovascular interventions*, 15(14), 1413–1422. <https://doi.org/10.1016/j.jcin.2022.06.007>
103. Simsek, B., Kostantinis, S., Karacsonyi, J., Hall, A., Rangan, B. V., Croce, K. J., Azzalini, L., McEntegart, M., Shishehbor, M., Egred, M., Mastrodemos, O. C., Sorajja, P., Banerjee, S., Lombardi, W., Sandoval, Y., & Brilakis, E. S. (2022). International percutaneous coronary intervention complication survey. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 99(6), 1733–1740. <https://doi.org/10.1002/ccd.30173>
104. Simsek, B., Kostantinis, S., Karacsonyi, J., Hall, A., Rangan, B. V., Croce, K. J., Azzalini, L., McEntegart, M., Shishehbor, M., Egred, M., Mastrodemos, O. C., Sorajja, P., Banerjee, S., Lombardi, W., Sandoval, Y., & Brilakis, E. S. (2022). International percutaneous coronary intervention complication survey. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 10.1002/ccd.30173. Advance online publication. <https://doi.org/10.1002/ccd.30173>
105. Simsek, B., Kostantinis, S., Karacsonyi, J., Vemmou, E., Nikolakopoulos, I., Assali, M., Burke, M. N., Garcia, S., Wang, Y., Chavez, I., Goessl, M., Sorajja, P., Mooney, M., Poulouse, A., Traverse, J., Rangan, B. V., & Brilakis, E. S. (2022). Challenges and outcomes of the double kissing crush stenting technique: Insights from the PROGRESS-BIFURCATION registry. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 10.1002/ccd.30135. Advance online publication. <https://doi.org/10.1002/ccd.30135>
106. Singh, J., Durr, M. R., Deptuch, E., Sultana, S., Mehta, N., Garcia, S., Henry, T. D., & Dehghani, P. (2022). Cardiac Registries During the COVID-19 Pandemic: Lessons Learned. *Current cardiology reports*, 24(6), 659–665. <https://doi.org/10.1007/s11886-022-01686-5>

107. Singh, J., Durr, M. R., Deptuch, E., Sultana, S., Mehta, N., Garcia, S., Henry, T. D., & Dehghani, P. (2022). Cardiac Registries During the COVID-19 Pandemic: Lessons Learned. *Current cardiology reports*, 1–7. Advance online publication. <https://doi.org/10.1007/s11886-022-01686-5>
108. Tsai, S., Liu, Y., Alaiti, M. A., Gutierrez, J. A., Brilakis, E. S., & Banerjee, S. (2022). No benefit of vorapaxar on walking performance in patients with intermittent claudication. *Vascular medicine (London, England)*, 27(1), 33–38. <https://doi.org/10.1177/1358863X211042082>
109. Vemmou, E., Nikolakopoulos, I., Karacsonyi, J., Kostantinis, S., Rangan, B. V., Baechler, C., Garcia, S., Burke, M. N., Alaswad, K., & Brilakis, E. S. (2022). Outcomes of chronic total occlusion (CTO) percutaneous coronary intervention (PCI) according to race: Insights from the PROGRESS-CTO registry. *Hellenic journal of cardiology : HJC = Hellenike kardiologike epitheorese*, 64, 90–92. <https://doi.org/10.1016/j.hjc.2021.07.007>
110. Vemmou, E., Nikolakopoulos, I., Xenogiannis, I., Karacsonyi, J., Rangan, B. V., Garcia, S., Burke, M. N., Jneid, H., Croce, K. J., Bergmark, B. A., & Brilakis, E. S. (2022). Learning and innovation among interventional cardiologists: Insights from an international survey. *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*, 99(1), 11–16. <https://doi.org/10.1002/ccd.29548>
111. Vu, M. H., Sande-Docor, G. M., Liu, Y., Tsai, S., Patel, M., Metzger, C., Shishehbor, M. H., Brilakis, E. S., Shammas, N. W., Monteleone, P., & Banerjee, S. (2022). Endovascular Treatment and Outcomes for Femoropopliteal In-Stent Restenosis: Insights from the XLPAD Registry. *Journal of interventional cardiology*, 2022, 5935039. <https://doi.org/10.1155/2022/5935039>
112. Xenogiannis, I., Rangan, B. V., Uyeda, L., Banerjee, S., Edson, R., Bhatt, D. L., Goldman, S., Holmes, D. R., Jr, Rao, S. V., Shunk, K., Mavromatis, K., Ramanathan, K., Bavry, A. A., McFalls, E. O., Garcia, S., Thai, H., Uretsky, B. F., Latif, F., Armstrong, E., Ortiz, J., ... Brilakis, E. S. (2022). In-Stent Restenosis in Saphenous Vein Grafts (from the DIVA Trial). *The American journal of cardiology*, 162, 24–30. <https://doi.org/10.1016/j.amjcard.2021.09.024>
113. Xenogiannis, I., Vemmou, E., & Sharkey, S. W. (2022). Serial T-Wave Changes in a Patient With Chest Pain. *JAMA internal medicine*, 10.1001/jamainternmed.2022.2389. Advance online publication. <https://doi.org/10.1001/jamainternmed.2022.2389>