



## Jennifer Tremmel

Susan P. and Riley P. Bechtel Medical Director and Professor of Medicine  
(Cardiovascular Medicine)

Medicine - Cardiovascular Medicine

### CLINICAL OFFICE (PRIMARY)

- **Interventional Cardiology**

300 Pasteur Dr Rm H2103

MC 5218

Stanford, CA 94305

**Tel** (650) 723-0180     **Fax** (650) 725-6766

### Bio

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#### CLINICAL FOCUS

- Interventional Cardiology
- Chronic Total Occlusions (CTOs)
- Complex PCI
- Women's Cardiovascular Disease
- Microvascular Angina
- Myocardial Bridging
- MINOCA
- SCAD

#### ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Medicine - Cardiovascular Medicine
- Member, Cardiovascular Institute
- Member, Maternal & Child Health Research Institute (MCHRI)

#### ADMINISTRATIVE APPOINTMENTS

- Director, CTO Program, (2018- present)
- Director, Radial Program, (2009- present)
- Medical Director, Women's Heart Health at Stanford, (2007- present)

#### PROFESSIONAL EDUCATION

- Fellowship: Stanford University School of Medicine (2006) CA
- Medical Education: University of Iowa Carver College of Medicine (1998) IA
- Residency: Dartmouth Hitchcock Medical Center (2001) NH

- Board Certification: Interventional Cardiology, American Board of Internal Medicine (2007)
- Board Certification: Cardiovascular Disease, American Board of Internal Medicine (2006)
- M.D., University of Iowa , Medicine (1998)
- S.M., Harvard University , Epidemiology (2002)

## LINKS

- Women's Heart Health at Stanford: <http://womensheart.stanfordhospital.com>
- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Jennifer Tremmel is an Interventional Cardiologist in the Division of Cardiovascular Medicine at Stanford University Medical Center. She is the Endowed Medical Director of Women's Heart Health at Stanford and conducts research on sex differences in cardiovascular disease. Much of her work has focused on patients with angina in the absence of obstructive CAD. This includes studying endothelial dysfunction, microvascular dysfunction, and myocardial bridging in patients with stable angina, and myocardial infarction with nonobstructive coronary arteries (MINOCA) and spontaneous coronary artery dissection (SCAD) in patients with acute angina. She also was an early adopter of the transradial approach and is a national expert on the topic. More recently, she started the CTO program at Stanford and has contributed to the field by demonstrating that the radial approach and same-day discharge are readily achievable in complex PCI.

### CLINICAL TRIALS

- Evaluation of Patients With Non-obstructive Coronary Arteries, Recruiting
- MVP-ANOCA, Recruiting
- Angiographic and Psychosocial Evaluation of Peripartum vs. Non: SCAD, Not Recruiting
- Myocardial Bridge, Not Recruiting

## Teaching

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### STANFORD ADVISEES

#### Postdoctoral Faculty Sponsor

Cathevine Yang

## Publications

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### PUBLICATIONS

- **Multi-modality Imaging to Determine Underlying Causes of MINOCA in Women and Men.** *Circulation*  
Reynolds, H. R., Maehara, A., Heydari, B., Smilowitz, N. R., Sedlak, T., Sandoval, Y., Hashim, H. D., Baine, K. R., Fahed, A. C., Pinilla Echeverri, N., Matsumura, M., Ahmed, M., Saw, et al  
2026
- **Association of Coronary Tortuosity on Symptom Burden in Patients with Ischemia with Nonobstructive Coronary Arteries: Insight from the DISCOVER INOCA Multicenter Registry**  
Ohadi, L., Sohal, S., Cristea, E., Toleva, O., Henry, T. D., Tremmel, J. A., Smilowitz, N. R., Kobayashi, Y., V. Parikh, R., Henry, G., Savage, M. P., Samuels, B., Lerman, et al  
ELSEVIER SCIENCE INC.2026: S49-S50
- **Comparison of International Expert Working Group Algorithms for Diagnosing Angina With Nonobstructive Coronary Arteries.** *JACC. Cardiovascular interventions*

- Wong, C. C., Pargaonkar, V. S., Dawson, L. P., Penumaka, R. R., Rehan, R., Yong, A. S., Honda, Y., Fearon, W. F., Schnittger, I., Tremmel, J. A. 2025; 18 (24): 2995-3005
- **Association between blood pressure and invasive hemodynamic measures in myocardial bridging.** *American journal of physiology. Heart and circulatory physiology*  
Dawson, L. P., Wong, C. C., Pargaonkar, V. S., Khandkar, C., Yong, A. S., Fearon, W. F., Schnittger, I., Shah, S. M., Tremmel, J. 2025
  - **Impact of Lesion Preparation Strategy on the Efficacy of Paclitaxel Coated Balloon for Coronary In-stent Restenosis: A Subgroup Analysis of the AGENT IDE Randomized Trial**  
Mantha, A., Krishnaswamy, A., Grantham, J., Zidar, F., Tremmel, J., Grines, C., Ahmed, M., Latib, A., Tehrani, B., Alaswad, K., Kimmelstiel, C., Cavalcante, R., Yeh, et al  
ELSEVIER SCIENCE INC.2025
  - **Diagnostic Yield and Safety of Acetylcholine Vasoreactivity Testing: Insights from the DISCOVER INOCA Multicenter Registry**  
Shah, S., Toleva, O., Parikh, R., Tremmel, J., Henry, T., Smilowitz, N., Kobayashi, Y., Henry, G., Savage, M., Samuels, B., Lerman, A., Moses, J., Prasad, et al  
ELSEVIER SCIENCE INC.2025
  - **Epicardial Vessel Physiology in Patients with Ischemia and Nonobstructive Coronary Arteries: Insights from the DISCOVER INOCA Multicenter Registry**  
Dawson, L., Parikh, R., Toleva, O., Tremmel, J., Henry, T., Smilowitz, N., Kobayashi, Y., Henry, G., Savage, M., Samuels, B., Lerman, A., Moses, J., Prasad, et al  
ELSEVIER SCIENCE INC.2025
  - **Intravascular Imaging Assessment of Patients with Ischemia with Nonobstructive Coronary Arteries: Insights from the DISCOVER INOCA Multicenter Registry**  
Chamie, D., Shah, S., Tremmel, J., Toleva, O., Parikh, R., Henry, T., Smilowitz, N., Kobayashi, Y., Henry, G., Savage, M., Samuels, B., Lerman, A., Moses, et al  
ELSEVIER SCIENCE INC.2025
  - **Paclitaxel-Coated Balloon for the Treatment of Multilayer In-Stent Restenosis: AGENT IDE Subgroup Analysis.** *Journal of the American College of Cardiology*  
Kirtane, A. J., Shlofmitz, R., Moses, J., Bachinsky, W., Dohad, S., Rudick, S., Stoler, R., Jefferson, B. K., Nicholson, W., Altman, J., Bateman, C., Krishnaswamy, A., Grantham, et al  
2025; 86 (7): 502-511
  - **Impact of Nitroglycerin Administration on Acetylcholine Provocation Testing in Angina With Nonobstructive Coronary Arteries.** *Journal of the Society for Cardiovascular Angiography & Interventions*  
Rehan, R., Wong, C. C., Weaver, J., Jain, P., Adams, M., Ng, M. K., Tremmel, J. A., Yong, A. S.  
2025; 4 (8): 103668
  - **Current Evidence-Based Treatment of Angina With Nonobstructive Coronary Arteries (ANOCA).** *Journal of the Society for Cardiovascular Angiography & Interventions*  
Toleva, O., Smilowitz, N. R., Quesada, O., Kesarwani, M., Savage, M. P., Prasad, M., Barseghian El-Farra, A., Holoshitz, N., Moses, J. W., Fearon, W. F., Tremmel, J. A., Samuels, B., Henry, et al  
2025; 4 (7): 102633
  - **Invasive Coronary Function Testing in Patients With Prior PCI Who Have Persistent ANOCA.** *Circulation. Cardiovascular interventions*  
Pargaonkar, V. S., Wong, C. C., Honda, Y., Schnittger, I., Tremmel, J. A.  
2025: e015344
  - **Diagnostic Validity of Acetylcholine Provocation Protocols in the Evaluation of Coronary Artery Spasm in Patients With ANOCA.** *Circulation. Cardiovascular interventions*  
Rehan, R., Khandur, C., Wong, C. C., Weaver, J., Jain, P., Adams, M., Ng, M. K., Tremmel, J. A., Yong, A. S.  
2025: e015339
  - **Comparison of Coronary Physiological Indices in Identifying Functionally Significant Myocardial Bridges in ANOCA.** *Circulation. Cardiovascular interventions*  
Otsuki, H., Yoshida, A., Pargaonkar, V. S., Takahashi, K., Honda, Y., Fitzgerald, P., Schnittger, I., Tremmel, J. A.  
2025: e014824

- **Repeatability and Correlation of Coronary Physiology Indices Measured With Bolus and Continuous Thermodilution.** *Circulation. Cardiovascular interventions*  
Wong, C. C., Dawson, L. P., Theriault-Lauzier, P., Skoda, A., Luikart, H., Tremmel, J. A., Khush, K. K., Fearon, W. F.  
2025; 18 (4): e014919
- **CLINICAL PRESENTATION, CARDIAC EVALUATION, AND SYMPTOM BURDEN IN ANGINA WITH NONOBSTRUCTIVE CORONARY ARTERIES (ANOCA)**  
Pargaonkar, V., Schnittger, I., Tremmel, J.  
ELSEVIER SCIENCE INC.2025: 1918
- **INVASIVE CORONARY FUNCTION TESTING FOR PERSISTENT ANGINAL SYMPTOMS IN PATIENTS WITH PRIOR PERCUTANEOUS CORONARY INTERVENTION**  
Pargaonkar, V., Schnittger, I., Tremmel, J.  
ELSEVIER SCIENCE INC.2025: 1916
- **Chapter 13.0. FFR, iFR, CFR, and IMR: Results from clinical trials.** *Cardiovascular revascularization medicine : including molecular interventions*  
Yang, C., Wong, C., Teradaa, K., Tremmel, J. A.  
2024
- **Sex-Specific Clinical Outcomes After Treatment of In-Stent Restenosis With the AGENT Paclitaxel-Coated Balloon: A Subgroup Analysis of the AGENT IDE Randomized Trial**  
Tremmel, J., McEntegart, M., Shlofmitz, R., Kirtane, A., Bachinsky, W., Dohad, S., Rudick, S., Stoler, R., Jefferson, B., Nicholson, W., Altman, J., Bateman, C., Krishnaswamy, et al  
ELSEVIER SCIENCE INC.2024: B164-B165
- **Diagnosis of Coronary Microvascular Dysfunction With Invasive Coronary Function Testing: Insights From the DISCOVER INOCA Multicenter Registry**  
Shah, S., Samuels, B., Tremmel, J., Henry, T., Smilowitz, N., Prasad, M., Kobayashi, Y., Henry, G., Samady, H., Lerman, A., Moses, J., Pietras, C., Zhang, et al  
ELSEVIER SCIENCE INC.2024: B258-B259
- **Evaluation of Coronary Tortuosity in Patients With Ischemia and No Coronary Artery Disease: Insights From the DISCOVER INOCA Multicenter Registry**  
Sohal, S., Cristea, E., Higney, J., Williams, O., Ohadi, L., Samuels, B., Tremmel, J., Henry, T., Smilowitz, N., Prasad, M., Kobayashi, Y., Henry, G., Samady, et al  
ELSEVIER SCIENCE INC.2024: B258
- **Evaluating the Diagnostic Validity of Incremental Acetylcholine Doses for Inducing Coronary Artery Spasm in Angina With Nonobstructive Coronary Arteries**  
Rehan, R., Khandkar, C., Wong, C., Weaver, J., Jain, P., Adams, M., Tremmel, J., Yong, A.  
ELSEVIER SCIENCE INC.2024: B352
- **Evaluating Ischemia With Nonobstructive Coronary Arteries Using Invasive Coronary Function Testing: Insights From the DISCOVER INOCA Multicenter Registry**  
Shah, S., Tremmel, J., Smilowitz, N., Prasad, M., Kobayashi, Y., Henry, T., Henry, G., Samady, H., Samuels, B., Lerman, A., Moses, J., Pietras, C., Zhang, et al  
ELSEVIER SCIENCE INC.2024: B260
- **Usefulness of temporary pacemaker during acetylcholine provocation testing** *IJC HEART & VASCULATURE*  
Rehan, R., Wong, C. C. Y., Weaver, J., Jain, P., Adams, M., Tremmel, J. A., Ng, M. K. C., Yong, A. S. C.  
2024; 53
- **Usefulness of temporary pacemaker during acetylcholine provocation testing.** *International journal of cardiology. Heart & vasculature*  
Rehan, R., Wong, C. C., Weaver, J., Jain, P., Adams, M., Tremmel, J. A., Ng, M. K., Yong, A. S.  
2024; 53: 101440
- **Insights From Midcareer Women in Cardiology.** *Journal of the American College of Cardiology*  
Tamirisa, K. P., Ogunniyi, M. O., Chen, M. H., Contreras, J., Tong, A. T., Kadiyala, M., Tremmel, J. A., Cao, J. J., Akhter, N., Lewis, S. J.  
2024; 84 (2): 219-222
- **A Systematic Approach to the Evaluation of the Coronary Microcirculation Using Bolus Thermodilution: CATH CMD.** *Journal of the Society for Cardiovascular Angiography & Interventions*

- Collet, C., Yong, A., Munhoz, D., Akasaka, T., Berry, C., Blair, J. E., Collison, D., Engström, T., Escaned, J., Fearon, W. F., Ford, T., Gori, T., Koo, et al  
2024; 3 (7): 101934
- **Determining the Cause of Coronary Vasomotor Disorders in Patients With Ischemia and Nonobstructive Coronary Arteries: Design and Rationale of the DISCOVER INOCA Prospective, Multicenter Registry.** *Journal of the Society for Cardiovascular Angiography & Interventions*  
Shah, S. M., Tremmel, J. A., Henry, T. D., Smilowitz, N. R., Prasad, M., Kobayashi, Y., Henry, G. A., Samady, H., Samuels, B. A., Lerman, A., Moses, J. W., Pietras, C., Zhang, et al  
2024; 3 (6): 102046
  - **Multivessel Coronary Function Testing Increases Diagnostic Yield in Patients With Angina and Nonobstructive Coronary Arteries.** *JACC. Cardiovascular interventions*  
Rehan, R., Wong, C. C., Weaver, J., Chan, W., Tremmel, J. A., Fearon, W. F., Ng, M. K., Yong, A. S.  
2024; 17 (9): 1091-1102
  - **Highlights From the Society for Cardiovascular Angiography & Interventions (SCAI) Scientific Sessions 2023.** *Journal of the American Heart Association*  
Cader, F. A., Arshad, N., Tremmel, J. A.  
2024: e031067
  - **Paclitaxel-Coated Balloon vs Uncoated Balloon for Coronary In-Stent Restenosis: The AGENT IDE Randomized Clinical Trial.** *JAMA*  
Yeh, R. W., Shlofmitz, R., Moses, J., Bachinsky, W., Dohad, S., Rudick, S., Stoler, R., Jefferson, B. K., Nicholson, W., Altman, J., Bateman, C., Krishnaswamy, A., Grantham, et al  
2024
  - **Coronary Microvascular Dysfunction.** *Journal of the Society for Cardiovascular Angiography & Interventions*  
Sandoval, Y., Cigarroa, J. E., Dangas, G. D., Lansky, A. J., Naidu, S. S., Rao, S. V., Seto, A. H., Shah, S., Shroff, A. R., Toleva, O., Tremmel, J. A., Riley, R. F., Henry, et al  
2024; 3 (3Part A): 101230
  - **Comprehensive Management of ANOCA, Part 2-Program Development, Treatment, and Research Initiatives: JACC State-of-the-Art Review.** *Journal of the American College of Cardiology*  
Smilowitz, N. R., Prasad, M., Widmer, R. J., Toleva, O., Quesada, O., Sutton, N. R., Lerman, A., Reynolds, H. R., Kesarwani, M., Savage, M. P., Sweeny, J. M., Janaszek, K. B., Barseghian El-Farra, et al  
2023; 82 (12): 1264-1279
  - **Comprehensive Management of ANOCA, Part 1-Definition, Patient Population, and Diagnosis: JACC State-of-the-Art Review.** *Journal of the American College of Cardiology*  
Samuels, B. A., Shah, S. M., Widmer, R. J., Kobayashi, Y., Miner, S. E., Taqueti, V. R., Jeremias, A., Albadri, A., Blair, J. A., Kearney, K. E., Wei, J., Park, K., Barseghian El-Farra, et al  
2023; 82 (12): 1245-1263
  - **Prevention of Cardiovascular Disease in Women With Pregnancy-Related Risk Factors: A Prospective Women's Heart Clinic Study.** *Journal of the American Heart Association*  
Marschner, S., Mukherjee, S., Watts, M., Min, H., Beale, A. L., O'Brien, J., Juneja, A., Tremmel, J. A., Zaman, S.  
2023: e030015
  - **2023 ACC/AHA/SCAI Advanced Training Statement on Interventional Cardiology (Coronary, Peripheral Vascular, and Structural Heart Interventions)** *JACC-CARDIOVASCULAR INTERVENTIONS*  
Bass, T. A., Abbott, J., Mahmud, E., Parikh, S. A., Aboulhosn, J., Ashwath, M. L., Baranowski, B., Bergersen, L., Chaudry, H. I., Coylewright, M., Denktas, A. E., Gupta, K., Gutierrez, et al  
2023; 16 (10): 1239-1291
  - **Impact of myocardial bridging on coronary artery plaque formation and long-term mortality after heart transplantation.** *International journal of cardiology*  
Tanaka, S., Okada, K., Kitahara, H., Luikart, H., Yock, P. G., Yeung, A. C., Schnittger, I., Tremmel, J. A., Fitzgerald, P. J., Khush, K. K., Fearon, W. F., Honda, Y.  
2023
  - **2023 ACC/AHA/SCAI Advanced Training Statement on Interventional Cardiology (Coronary, Peripheral Vascular, and Structural Heart Interventions): A Report of the ACC Competency Management Committee.** *Circulation. Cardiovascular interventions*  
Bass, T. A., Abbott, J. D., Mahmud, E., Parikh, S. A., Aboulhosn, J., Ashwath, M. L., Baranowski, B., Bergersen, L., Chaudry, H. I., Coylewright, M., Denktas, A. E., Gupta, K., Gutierrez, et al

2023: e000088

- **2023 ACC/AHA/SCAI Advanced Training Statement on Interventional Cardiology (Coronary, Peripheral Vascular, and Structural Heart Interventions): A Report of the ACC Competency Management Committee.** *Journal of the American College of Cardiology*  
Bass, T. A., Abbott, J. D., Mahmud, E., Parikh, S. A., Aboulhosn, J., Ashwath, M. L., Baranowski, B., Bergersen, L., Chaudry, H. I., Coylewright, M., Denktas, A. E., Gupta, K., Gutierrez, et al  
2023
- **Symptomatic Myocardial Bridging in D-Transposition of the Great Arteries Post-Arterial Switch** *JACC: Case Reports, Vol 8, Iss , Pp 101730-*  
(2023)  
Vaikunth, S. S., Murphy, D. J., Tremmel, J. A., Schnittger, I., Mitchell, R. S., Maeda, K., Rogers, I. S.  
2023
- **Safety of Provocative Testing With Intracoronary Acetylcholine and Implications for Standard Protocols.** *Journal of the American College of Cardiology*  
Takahashi, T., Samuels, B. A., Li, W., Parikh, M. A., Wei, J., Moses, J. W., Fearon, W. F., Henry, T. D., Tremmel, J. A., Kobayashi, Y., Microvascular Network  
2022; 79 (24): 2367-2378
- **Implications of the 2021 AHA/ACC/ASE/CHEST/SAEM/SCCT/SCMR Chest Pain Guideline for Cardiovascular Imaging: A Multisociety Viewpoint.** *JACC. Cardiovascular imaging*  
Blankstein, R., Shaw, L. J., Gulati, M., Atalay, M. K., Bax, J., Calnon, D. A., Dyke, C. K., Ferencik, M., Heitner, J. F., Henry, T. D., Hung, J., Knutti, J., Lindner, et al  
2022; 15 (5): 912-926
- **The 2021 AHA/ACC Guideline for the Evaluation and Diagnosis of Chest Pain: An Interventionalist's Viewpoint.** *Journal of the Society for Cardiovascular Angiography & Interventions*  
Riley, R. F., Batchelor, W. B., Goldstein, J. A., Al-Lamee, R., Shah, S., Tremmel, J. A., Jaffer, F., Henry, T. D.  
2022; 1 (3): 100305
- **Colocalization of Coronary Plaque with Wall Shear Stress in Myocardial Bridge Patients.** *Cardiovascular engineering and technology*  
Khan, M. O., Nishi, T., Imura, S., Seo, J., Wang, H., Honda, Y., Nieman, K., Rogers, I. S., Tremmel, J. A., Boyd, J., Schnittger, I., Marsden, A.  
2022
- **SCAI Expert Consensus Statement on Sex-Specific Considerations in Myocardial Revascularization.** *Journal of the Society for Cardiovascular Angiography & Interventions*  
Lansky, A., Baron, S. J., Grines, C. L., Tremmel, J. A., Al-Lamee, R., Angiolillo, D. J., Chieffo, A., Croce, K., Jacobs, A. K., Madan, M., Maehara, A., Mehilli, J., Mehran, et al  
2022; 1 (2): 100016
- **Association of Neighborhood Income with Clinical Outcomes Among Pregnant Patients with Cardiac Disease** *Reproductive Sciences*  
Carland, C., Panelli, D. M., Leonard, S. A., Bryant, E., Sherwin, E. B., Lee, C. J., Levin, E., Jimenez, S., Tremmel, J. A., Tsai, S., Heidenreich, P. A., Bianco, K., Khandelwal, et al  
2022
- **SCAI Expert Consensus Statement on Sex-Specific Considerations in Myocardial Revascularization** *Journal of the Society for Cardiovascular Angiography & Interventions*  
Lansky, A., Baron, S. J., Grines, C. L., Tremmel, J. A., Al-Lamee, R., Angiolillo, D. J., Chieffo, A., Croce, K., Jacobs, A. K., Madan, M., Maehara, A., Mehilli, J., Mehran, et al  
2022; 1 (2)
- **Relationship Between Coronary Atheroma, Epicardial Adipose Tissue Inflammation, and Adipocyte Differentiation Across the Human Myocardial Bridge.** *Journal of the American Heart Association*  
McLaughlin, T., Schnittger, I., Nagy, A., Zanley, E., Xu, Y., Song, Y., Nieman, K., Tremmel, J. A., Dey, D., Boyd, J., Sacks, H.  
2021: e021003
- **Impact of Diastolic Vessel Restriction on Quality of Life in Symptomatic Myocardial Bridging Patients Treated With Surgical Unroofing: Preoperative Assessments With Intravascular Ultrasound and Coronary Computed Tomography Angiography.** *Circulation. Cardiovascular interventions*  
Hashikata, T., Honda, Y., Wang, H., Pargaonkar, V. S., Nishi, T., Hollak, M. B., Rogers, I. S., Nieman, K., Yock, P. G., Fitzgerald, P. J., Schnittger, I., Boyd, J. H., Tremmel, et al  
2021; 14 (10): e011062

- **Global Chronic Total Occlusion Crossing Algorithm: JACC State-of-the-Art Review.** *Journal of the American College of Cardiology*  
Wu, E. B., Brilakis, E. S., Mashayekhi, K., Tsuchikane, E., Alaswad, K., Araya, M., Avran, A., Azzalini, L., Babunashvili, A. M., Bayani, B., Behnes, M., Bhindi, R., Boudou, et al  
2021; 78 (8): 840-853
- **Abnormal shear stress and residence time are associated with proximal coronary atheroma in the presence of myocardial bridging.** *International journal of cardiology*  
Yong, A. S., Pargaonkar, V. S., Wong, C. C., Javadzdegan, A., Yamada, R., Tanaka, S., Kimura, T., Rogers, I. S., Sen, I., Kritharides, L., Schnittger, I., Tremmel, J. A.  
2021
- **Rationale and Design of a Randomized Study Comparing the Agent Drug Coated Balloon to Plain Old Balloon Angioplasty in Patients with In-Stent Restenosis.** *American heart journal*  
Yeh, R. W., Bachinsky, W., Stoler, R., Bateman, C., Tremmel, J. A., Abbott, J. D., Dohad, S., Batchelor, W., Underwood, P., Allocco, D. J., Kirtane, A. J.  
2021
- **Preliminary Support for Group Cognitive Behavioral Therapy (CBT) to Reduce Psychological Distress in Patients with Spontaneous Coronary Artery Dissection (SCAD).** *Journal of clinical psychology in medical settings*  
Vaca, K. C., Tremmel, J. A., Edwards, K. S.  
2021
- **IMPACT OF DIASTOLIC VESSEL RESTRICTION ON CLINICAL SYMPTOMS IN PATIENTS WITH SYMPTOMATIC MYOCARDIAL BRIDGING**  
Hashikata, T., Honda, Y., Wang, H., Pargaonkar, V., Hollak, M., Rogers, I. S., Yock, P., Fitzgerald, P., Schnittger, I., Boyd, J., Tremmel, J.  
ELSEVIER SCIENCE INC.2021: 165
- **TWEET4WELLNESS: PILOT FOR A TWITTER-BASED SUPPORT GROUP WITH DAILY THEORY-BASED STRATEGIES TO DECREASE SEDENTARY BEHAVIOR.**  
Oppezzo, M. A., Kristopher, K., Tremmel, J., Desai, M., Baiocchi, M., Ramo, D. E., Cullen, M., Prochaska, J. J.  
OXFORD UNIV PRESS INC.2021: S484
- **Perforation Mechanisms, Risk Stratification, and Management in the Non-post Coronary Artery Bypass Graft Patient.** *Interventional cardiology clinics*  
Tremmel, J. A.  
2021; 10 (1): 93–99
- **Invasive Assessment of Myocardial Bridging in Patients with Angina and No Obstructive Coronary Artery Disease.** *EuroIntervention : journal of EuroPCR in collaboration with the Working Group on Interventional Cardiology of the European Society of Cardiology*  
Pargaonkar, V. S., Kimura, T., Kameda, R., Tanaka, S., Yamada, R., Schwartz, J. G., Perl, L., Rogers, I. S., Honda, Y., Fitzgerald, P., Schnittger, I., Tremmel, J. A.  
2020
- **Effect of ranolazine on symptom and quality of life in patients with angina in the absence of obstructive coronary artery disease: A case control study** *INTERNATIONAL JOURNAL OF CARDIOLOGY*  
Pargaonkar, V. S., Tremmel, J. A., Schnittger, I., Khandelwal, A.  
2020; 309: 8–13
- **SCAI Position Statement on Optimal Percutaneous Coronary Interventional Therapy for Complex Coronary Artery Disease.** *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*  
Riley, R. F., Henry, T. D., Mahmud, E., Kirtane, A. J., Brilakis, E. S., Goyal, A., Grines, C. L., Lombardi, W. L., Maran, A., Rab, T., Tremmel, J. A., Truesdell, A. G., Yeh, et al  
2020
- **Dose-Response Relationship Between Intracoronary Acetylcholine and Minimal Lumen Diameter in Coronary Endothelial Function Testing of Women and Men With Angina and No Obstructive Coronary Artery Disease.** *Circulation. Cardiovascular interventions*  
Pargaonkar, V. S., Lee, J. H., Chow, E. K., Nishi, T., Ball, R. L., Kobayashi, Y., Kimura, T., Lee, D. P., Stefanick, M. L., Fearon, W. F., Yeung, A. C., Tremmel, J. A.  
2020; 13 (4): e008587
- **Effect of ranolazine on symptom and quality of life in patients with angina in the absence of obstructive coronary artery disease: A case control study.** *International journal of cardiology*  
Pargaonkar, V. S., Tremmel, J. A., Schnittger, I., Khandelwal, A.

2020

- **Accuracy of a novel stress echocardiography pattern for myocardial bridging in patients with angina and no obstructive coronary artery disease - A retrospective and prospective cohort study.** *International journal of cardiology*  
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