

Stanford



Celina Yong, MD, MBA, MSc

Assistant Professor of Medicine (Cardiovascular Medicine) at the Stanford University Medical Center

Medicine - Cardiovascular Medicine

Bio

BIO

Celina Yong, MD, MBA, MSc is Director of Interventional Cardiology at the Palo Alto VA Medical Center and an Assistant Professor in the Division of Cardiovascular Medicine at Stanford. Dr. Yong completed her medical training at Stanford School of Medicine and her internal medicine residency at the University of California, San Francisco. She completed her cardiology and interventional cardiology fellowships at Stanford, including serving as Chief Fellow. As a Marshall Scholar, she completed a Masters in Health Policy, Planning and Financing from the London School of Economics and an MBA from Oxford.

Dr. Yong's current research focuses on understanding and reducing inequities in cardiovascular care for patients, as well as resolving gender imbalances in the medical profession itself. She is actively involved in clinical trials of novel devices for percutaneous coronary and structural intervention, and performs structural and coronary interventions at the Palo Alto VA Hospital.

ACADEMIC APPOINTMENTS

- Assistant Professor - Med Center Line, Medicine - Cardiovascular Medicine

ADMINISTRATIVE APPOINTMENTS

- Director, Interventional Cardiology, Palo Alto VA Healthcare System, (2019- present)

HONORS AND AWARDS

- Diversity Investigator Award, Stanford Department of Medicine (2020-pres)
- HSR&D Career Development Award, Veterans Health Administration (2019-pres)
- McCormick Faculty Award, Stanford University (2017-2019)
- AHA Mentored Clinical & Population Research Award, American Heart Association (2016-2019)
- ACCF/Merck Cardiovascular Research Fellow, American College of Cardiology Foundation (2013-2014)
- Edwin Alderman Award for Excellent in Clinical Research, Stanford University (2013)
- Women's Career & Leadership Award, American College of Cardiology (2013)
- Women in Cardiology Award for Excellence, American Heart Association (2012)
- U.S. Delegate, International Academy of Achievement Summit (2004)
- Soros Fellow, Paul & Daisy Soros Fellowship for New Americans (2003-2005)
- British Marshall Scholar, Marshall Aid Commemoration Commission (2001-2003)
- Truman Scholar, Harry S. Truman Scholarship Foundation (2000)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Founder/Director, Stanford Advancement of Women in Medicine Program (2020 - present)
- Section Editor, Journal of the American College of Cardiology FIT/Early Career Section (2020 - present)
- Writing Member, ACC/AHA Coronary Revascularization National Guidelines Committee (2019 - present)
- Board of Directors, American College of Cardiology, California Chapter (2018 - present)

PROFESSIONAL EDUCATION

- Fellowship, Stanford University School of Medicine , Interventional Cardiology (2015)
- Fellowship, Stanford University School of Medicine , Cardiology (2013)
- Residency, University of California, San Francisco , Internal Medicine (2010)
- MD, Stanford School of Medicine (2007)
- MBA, Oxford University (2003)
- MSc, London School of Economics , Health Policy, Planning & Financing (2002)
- BS, University of California, Berkeley , Molecular Environmental Biology (2001)

Research & Scholarship

CLINICAL TRIALS

- Safety and Efficacy Study of the Medtronic CoreValve® System in the Treatment of Severe, Symptomatic Aortic Stenosis in Intermediate Risk Subjects Who Need Aortic Valve Replacement (SURTAVI)., Recruiting
- A Comparison of Fractional Flow Reserve-Guided Percutaneous Coronary Intervention and Coronary Artery Bypass Graft Surgery in Patients With Multivessel Coronary Artery Disease, Not Recruiting
- Disrupt CAD III With the Shockwave Coronary IVL System, Not Recruiting
- Safety & Efficacy Study of the Medtronic CoreValve® System-Treatment of Symptomatic Severe Aortic Stenosis With Significant Comorbidities in Extreme Risk Subjects Who Need Aortic Valve Replacement, Not Recruiting
- Safety and Efficacy Continued Access Study of the Medtronic CoreValve® System in the Treatment of Symptomatic Severe Aortic Stenosis in Very High Risk Subjects and High Risk Subjects Who Need Aortic Valve Replacement, Not Recruiting
- Safety and Efficacy Study of the Medtronic CoreValve® System in the Treatment of Symptomatic Severe Aortic Stenosis in High Risk and Very High Risk Subjects Who Need Aortic Valve Replacement, Not Recruiting

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Cardiovascular Medicine (Fellowship Program)

Publications

PUBLICATIONS

- **When to Believe Unexpected Results for Ticagrelor or Prasugrel: Never Rarely Sometimes Always.** *JACC. Cardiovascular interventions*
Bittl, J. A., Yong, C. M., Sharma, G.
2020; 13 (19): 2248–50
- **Heterogeneity of Treatment and Outcomes Among Asians With Coronary Artery Disease in the United States.** *Journal of the American Heart Association*
Manjunath, L., Chung, S., Li, J., Shah, H., Palaniappan, L., Yong, C. M.
2020: e014362
- **Picking Up the Torch: Our Mission as the New FIT & EC Section Editors.** *Journal of the American College of Cardiology*
Yong, C. M., Han, J. J., Vaduganathan, M.
2020; 76 (2): 221–22

- **COVID-19: The Isolation That Has Brought Us Together.** *Journal of the American College of Cardiology*
Yong, C.
2020; 75 (20): 2639–41
- **Sex Differences in Oral Anticoagulation and Outcomes of Stroke and Intracranial Bleeding in Newly Diagnosed Atrial Fibrillation.** *Journal of the American Heart Association*
Yong, C. M., Tremmel, J. A., Lansberg, M. G., Fan, J., Askari, M., Turakhia, M. P.
2020: e015689
- **Integrating the ABC-Bleeding Risk Score Into Practice.** *JAMA network open*
Yong, C. M., Bittl, J. A.
2020; 3 (9): e2016126
- **Cardiac Procedural Deferral during the Coronavirus (COVID-19) Pandemic.** *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*
Yong, C. M., Ang, L., Welt, F. G., Gummidipundi, S., Henry, T. D., Pinto, D. S., Cox, D., Wang, P., Asch, S., Mahmud, E., Fearon, W. F.
2020
- **Differences in Transcatheter Aortic Valve Replacement (TAVR) Outcomes by Gender and Race Over Time**
Yong, C., Jaluba, K., Heidenreich, P.
ELSEVIER SCIENCE INC.2019: B732
- **Sex Differences in the Pursuit of Interventional Cardiology as a Subspecialty Among Cardiovascular Fellows-in-Training.** *JACC. Cardiovascular interventions*
Yong, C. M., Abnoui, F., Rzeszut, A. K., Douglas, P. S., Harrington, R. A., Mehran, R., Grines, C., Altin, S. E., Duvernoy, C. S., American College of Cardiology Women in Cardiology Leadership Council (ACC WIC), Society for Cardiovascular Angiography and Interventions Women in Innovations (SCAI WIN)
2019
- **The efficacy and safety of cangrelor in single vessel vs multi vessel percutaneous coronary intervention: Insights from CHAMPION PHOENIX.** *Clinical cardiology*
Yong, C. M., Sundaram, V., Abnoui, F., Olivier, C. B., Yang, J., Stone, G. W., Steg, P. G., Michael Gibson, C., Hamm, C. W., Price, M. J., Deliangyris, E. N., Prats, J., White, et al
2019
- **A novel noninvasive method for remote heart failure monitoring: the Eulerian video Magnification apPLications In heart Failure study (AMPLIFY).** *NPJ digital medicine*
Abnoui, F., Kang, G., Giacomini, J., Yeung, A., Zarafshar, S., Vesom, N., Ashley, E., Harrington, R., Yong, C.
2019; 2: 80
- **Prevalence, Treatment, and Outcomes Among Asian Subgroups With Coronary Artery Disease**
Manjunath, L., Chung, S., Li Jiang, Palaniappan, L., Yong, C. M.
LIPPINCOTT WILLIAMS & WILKINS.2018
- **Racial Differences in Quality of Care and Outcomes After Acute Coronary Syndrome.** *The American journal of cardiology*
Yong, C. M., Ungar, L., Abnoui, F., Asch, S. M., Heidenreich, P. A.
2018
- **THE EFFICACY AND SAFETY OF CANGRELOR FOR PATIENTS UNDERGOING SINGLE VESSEL VERSUS MULTI VESSEL PERCUTANEOUS CORONARY INTERVENTION: INSIGHTS FROM THE CHAMPION PHOENIX TRIAL**
Olivier, C., Abnoui, F., Sundaram, V., Yang, J., Stone, G., Steg, P., Gibson, C., Hamm, C., Price, M., Deliangyris, E., Prats, J., White, H., Harrington, et al
ELSEVIER SCIENCE INC.2018: 29
- **Association of insurance type with receipt of oral anticoagulation in insured patients with atrial fibrillation: A report from the American College of Cardiology NCDR PINNACLE registry** *AMERICAN HEART JOURNAL*
Yong, C. M., Liu, Y., Apruzzese, P., Doros, G., Cannon, C. P., Maddox, T. M., Gehi, A., Hsu, J. C., Lubitz, S. A., Virani, S., Turakhia, M. P., ACC PINNACLE Investigators
2018; 195: 50–59
- **Cangrelor reduces the risk of ischemic complications in patients with single-vessel and multi-vessel disease undergoing percutaneous coronary intervention: Insights from the CHAMPION PHOENIX trial.** *American heart journal*

- Abnoui, F., Sundaram, V., Yong, C. M., Prats, J., Deliangyris, E. N., Stone, G. W., Hamm, C. W., Steg, P. G., Gibson, C. M., White, H. D., Price, M. J., G n reux, P., Desai, et al
2017; 188: 147-155
- **Impact of Baseline Stroke Risk and Bleeding Risk on Warfarin International Normalized Ratio Control in Atrial Fibrillation (from the TREAT-AF Study)** *AMERICAN JOURNAL OF CARDIOLOGY*
Hellyer, J. A., Azarbal, F., Than, C. T., Fan, J., Schmitt, S. K., Yang, F., Frayne, S. M., Phibbs, C. S., Yong, C., Heidenreich, P. A., Turakhia, M. P.
2017; 119 (2): 268-274
 - **Breaking the Catheterization Laboratory Ceiling.** *Journal of the American College of Cardiology*
Yong, C. M.
2017; 69 (21): 2668-71
 - **Asians suffer the highest in-hospital mortality rates after acute coronary syndrome despite high use of early invasive procedures**
Yong, C., Abnoui, F., Asch, S., Heidenreich, P.
ELSEVIER SCIENCE INC.2016: B40
 - **ASSOCIATION OF INSURANCE TYPE WITH RECEIPT OF ORAL ANTICOAGULATION IN ATRIAL FIBRILLATION: AN ANALYSIS OF THE AMERICAN COLLEGE OF CARDIOLOGY NCDR PINNACLE REGISTRY**
Yong, C. M., Liu, Y., Lei, L., Doros, G., Cannon, C., Maddox, T., Gehi, A., Virani, S., Turakhia, M., ACC PINNACLE Investigators
ELSEVIER SCIENCE INC.2016: 888
 - **Racial Differences in Quality of Anticoagulation Therapy for Atrial Fibrillation (from the TREAT-AF Study)** *AMERICAN JOURNAL OF CARDIOLOGY*
Yong, C., Azarbal, F., Abnoui, F., Heidenreich, P. A., Schmitt, S., Fan, J., Than, C. T., Ullal, A. J., Yang, F., Phibbs, C. S., Frayne, S. M., Ho, P. M., Shore, et al
2016; 117 (1): 61-68
 - **Sedentary Behavior and Cardiovascular Morbidity and Mortality: A Science Advisory From the American Heart Association.** *Circulation*
Young, D. R., Hivert, M. F., Alhassan, S., Camhi, S. M., Ferguson, J. F., Katzmarzyk, P. T., Lewis, C. E., Owen, N., Perry, C. K., Siddique, J., Yong, C. M.
2016; 134 (13): e262-79
 - **Cangrelor Improves Ischemic Outcomes In Patients With Multivessel Disease And Single Vessel Disease Undergoing PCI: Insights From The CHAMPION PHOENIX Trial**
Abnoui, F., Sundaram, V., Prats, J., Deliangyris, E. N., Stone, G. W., Hamm, C., Steg, P. G., Gibson, C., White, H. D., Price, M. J., Yong, C., Desai, M., Harrington, et al
ELSEVIER SCIENCE INC.2015: B35
 - **The Evolution of Temporary Percutaneous Mechanical Circulatory Support Devices: a Review of the Options and Evidence in Cardiogenic Shock** *CURRENT CARDIOLOGY REPORTS*
Abnoui, F., Yong, C. M., Fearon, W., Banerjee, D.
2015; 17 (6)
 - **Socioeconomic Inequalities in Quality of Care and Outcomes Among Patients With Acute Coronary Syndrome in the Modern Era of Drug Eluting Stents** *JOURNAL OF THE AMERICAN HEART ASSOCIATION*
Yong, C. M., Abnoui, F., Asch, S. M., Heidenreich, P. A.
2014; 3 (6)
 - **Justification of an Introductory Electrocardiogram Teaching Mnemonic by Demonstration of its Prognostic Value** *AMERICAN JOURNAL OF MEDICINE*
Soofi, M., Yong, C., Froelicher, V.
2014; 127 (12): 1202-1207
 - **Transcatheter CoreValve valve-in-valve implantation in a stentless porcine aortic valve for severe aortic regurgitation.** *Clinical case reports*
Yong, C. M., Buchbinder, M., Giacomini, J. C.
2014; 2 (6): 281-285
 - **Is the J Wave or the ST Slope Malignant ... or Neither?** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
Yong, C., Froelicher, V., Wagner, G.
2014; 63 (17): 1811-12
 - **Patterns and prognosis of all components of the J-wave pattern in multiethnic athletes and ambulatory patients.** *American heart journal*
Muramoto, D., Yong, C. M., Singh, N., Aggarwal, S., Perez, M., Ashley, E., Hadley, D., Froelicher, V.
2014; 167 (2): 259-266

- **Racial Disparities in Warfarin Time in INR Therapeutic Range in Patients With Atrial Fibrillation: Findings From the TREAT-AF Study**
Yong, C., Xu, X., Than, C., Ullal, A., Schmitt, S., Azarbal, F., Heidenreich, P., Turakhia, M.
LIPPINCOTT WILLIAMS & WILKINS.2013
- **To the editor- blind men and the J wave-confusing aspects of the 2013 HRS Statement on Inherited Arrhythmic Diseases.** *Heart rhythm*
Yong, C., Froelicher, V., Wagner, G.
2013; 10 (11): e81-2
- **Prognostic implications of the J wave ECG patterns.** *Journal of electrocardiology*
Yong, C. M., Perez, M., Froelicher, V.
2013; 46 (5): 408-410
- **Variability in quantitative and qualitative analysis of intravascular ultrasound and frequency domain optical coherence tomography.** *Catheterization and cardiovascular interventions*
Abnoui, F., Waseda, K., Kume, T., Otake, H., Kawarada, O., Yong, C. M., Fitzgerald, P. J., Honda, Y., Yeung, A. C., Fearon, W. F.
2013; 82 (3): E192-9
- **J wave patterns and ST elevation in women.** *Journal of electrocardiology*
Yong, C. M., Zarafshar, S., Froelicher, V.
2013; 46 (5): 417-423
- **The Electrocardiogram at a Crossroads** *CIRCULATION*
Yong, C. M., Froelicher, V., Wagner, G.
2013; 128 (1): 79-82
- **A novel stress echocardiography pattern for myocardial bridge with invasive structural and hemodynamic correlation.** *Journal of the American Heart Association*
Lin, S., Tremmel, J. A., Yamada, R., Rogers, I. S., Yong, C. M., Turcott, R., McConnell, M. V., Dash, R., Schnittger, I.
2013; 2 (2)
- **Multivessel coronary artery disease predicts mortality, length of stay, and pressor requirements after liver transplantation.** *Liver transplantation : official publication of the American Association for the Study of Liver Diseases and the International Liver Transplantation Society*
Yong, C. M., Sharma, M., Ochoa, V., Abnoui, F., Roberts, J., Bass, N. M., Niemann, C. U., Shiboski, S., Prasad, M., Tavakol, M., Ports, T. A., Gregoratos, G., Yeghiazarians, et al
2010; 16 (11): 1242-48
- **Factor Xa inhibitors in acute coronary syndromes and venous thromboembolism.** *Current vascular pharmacology*
Yong, C. M., Boyle, A. J.
2010; 8 (1): 5-11
- **Severe H1N1-Associated acute respiratory distress syndrome: A case series.** *The American journal of medicine*
Lai, A. R., Keet, K., Yong, C. M., Diaz, J. V.
2010; 123 (3): 282-85.e2
- **Safety of cardiac catheterization in patients with end-stage liver disease awaiting liver transplantation.** *The American journal of cardiology*
Sharma, M., Yong, C., Majure, D., Zellner, C., Roberts, J. P., Bass, N. M., Ports, T. A., Yeghiazarians, Y., Gregoratos, G., Boyle, A. J.
2009; 103 (5): 742-46
- **Safety of cardiac catheterization in patients with end-stage liver disease prior to orthotopic liver transplantation**
Sharma, M., Yong, C., Zellner, C., Ports, T., Yeghiazarians, Y., Boyle, A.
ELSEVIER SCIENCE INC.2008: B96
- **International differences in patient and physician perceptions of "high quality" healthcare: A model from pediatric cardiology** *AMERICAN JOURNAL OF CARDIOLOGY*
Garson, A., Yong, C. M., Yock, C. A., McClellan, M. B.
2006; 97 (7): 1073-1075
- **Standardized assessment of breast cancer surgical scars integrating the Vancouver Scar Scale, Short-Form McGill Pain Questionnaire, and patients' perspectives.** *Plastic and reconstructive surgery*
Truong, P. T., Abnoui, F., Yong, C. M., Hayashi, A., Runkel, J. A., Phillips, T., Olivotto, I. A.

2005; 116 (5): 1291-99

- **Lymphovascular invasion is associated with reduced locoregional control and survival in women with node-negative breast cancer treated with mastectomy and systemic therapy.** *Journal of the American College of Surgeons*

Truong, P. T., Yong, C. M., Abnoui, F., Lee, J., Kader, H. A., Hayashi, A., Olivotto, I. A.

2005; 200 (6): 912-21