RESEARCH UPDATE
BY: IJAZ SHAH, MD

Ischemic heart disease commonly manifests as acute coronary syndrome (ACS) in older adults and is a leading cause of morbidity and mortality nationally. Randomized controlled trials frequently exclude older patients with significant multimorbidity, leading to a paucity of reliable data to guide more optimal revascularization strategies. We identified 3,871 Kaiser Permanente Northern California members ≥65 years presenting with ACS between 2010-2018 who subsequently underwent coronary artery bypass grafting (CABG) (N=1,575) or percutaneous coronary intervention (PCI) (N=2,296) for left main or multivessel CAD. We evaluated the association of revascularization strategy with outcomes using propensity score and inverse probability treatment weight modelling techniques to control for selection bias and potential confounding. The primary outcome was days alive out of the hospital. We observed more days alive and out of the hospital in patients undergoing CABG compared with PCI after 1 year (mean difference 6 days) with a widening of the difference over the follow-up period to approximately 131 days at 5 years. In conclusion, our “real-world” data suggests that older adults with ACS deemed eligible for coronary revascularization with CABG experienced good outcomes. Older adults should not be precluded from CABG solely based on chronological age.

Link to Dr. Shah’s Published Manuscript

REGISTER NOW!
7th Annual KPNC Cardiovascular Research Symposium
Friday, February 24, 2023 | 8:15 AM – 3:00 PM PST
Hybrid Event: Preservation Park in Oakland, CA or Virtual by Microsoft Teams Webinar
Please RSVP here: REGISTRATION LINK

Editors:
Andrew Ambrosy, MD, Matthew Solomon, MD, PhD, Alan Go, MD
Managing Editor: Alicia Cruz
Endorsed by: Eric Au, MD and Howard Dinh, MD

Celebrating DOR, CARDIA and Dr. Stephen Sidney
In continued celebration of the Division of Research’s 60th anniversary, we would like to highlight Dr. Steve Sidney and the Coronary Artery Risk Development in Young Adults (CARDIA) Study. CARDIA began in 1985 with support from the National Institutes of Health and primarily the National Heart, Lung and Blood Institute. The original cohort included 5,115 Black and White men and women aged 18-30 from 4 Field Centers based in Oakland, CA; Birmingham, AL; Chicago, IL; and Minneapolis, MN. Participants have been followed longitudinally for over 35 years. CARDIA has produced over 900 original manuscripts, including seminal contributions to our understanding of cardiovascular risk factors, subclinical disease phenotypes, and natural aging. Dr. Sidney has been a Principal Investigator in CARDIA and has helped push forward virtually every aspect of the study, from operational leadership to scientific contributions. He will retire from TPMG in March 2023 after an incredible research career. We wish Dr. Sidney the very best, and we know he will take with him into retirement the same passion and grace that we were lucky enough to experience in all his years with us at DOR.

INVESTIGATOR’S CORNER
ANKEET BHATT, MD

We are thrilled to welcome Dr. Ankeet Bhatt, who recently joined the organization as a Research Scientist at the Division of Research and faculty cardiologist at the KP San Francisco Medical Center. Ankeet completed fellowship training in cardiology and critical care medicine at the Brigham and Women’s Hospital. Ankeet has interests across cardiometabolic health, including the design and execution of large pragmatic clinical trials, with a particular focus on evaluating the clinical utility of digital health, and the use of delivery science to improve care. He also serves on the leadership of several national clinical trials, including the TRANSFORM initiative sponsored by the American College of Cardiology. He will assume the role of Principal Investigator of the CARDIA Study following the historic leadership from Dr. Steve Sidney and is looking forward to expanding its impact. We hope you have will soon have the chance to meet and collaborate with Ankeet across the section and the service line.
HONOR(S)
The Dr. Steve Sidney Retirement Symposium/KUSP (Kaiser Permanente & UCSF Stroke Program) Reunion

AWARD(S)
American Heart Association honors Kaiser Permanente researcher with award for best publication
Erica Gunderson, PhD and KPNC colleagues recognized for study on blood pressure patterns during pregnancy and cardiovascular and other complications
Kaiser Permanente Vohs Quality Regional Award presented to DOR Research Scientist
Stroke EXPRESS Program led by Dr. Mai Nguyen-Huy nh to reduce door-to-needle time for treatment of acute ischemic stroke across KPNC honored at Kaiser Permanente National Quality Conference

KPNC CVM-RELATED PUBLICATIONS: October 1, 2022 to January 10, 2023


NEW CLINICAL TRIAL LAUNCHED

Study Title: ALLIANCE - Safety and Effectiveness of Balloon-Expandable Bioprosthetic SAPIEN X4 Transcatheter Heart Valve
Principal Investigator: Jacob Mishell, MD
Summary: To evaluate if the SAPIEN X4 Transcatheter Heart Valve (THV) is beneficial for patients with symptomatic, severe, calcific aortic stenosis.

Appendix: List of Regional CVM-Related Publications, 2020-2022