

Stanford



Alexander Tarlochan Singh Sandhu

Instructor, Medicine - Cardiovascular Medicine

CLINICAL OFFICES

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Bio

BIO

Alex Sandhu, MD, MS is a cardiologist with a special interest in the care of patients with advanced heart failure. He graduated from the seven-year combined BA-MD program at Northwestern Feinberg School of Medicine. He completed an internal medicine residency at Stanford University, spending 16 weeks at Makerere Hospital in Uganda as part of the Global Health track. He subsequently obtained completed a Masters in Health Services Research at Stanford while acting as a fellow in health services research at the Palo Alto VA and Stanford's Center for Health Policy/Primary Care and Outcomes Research. Next, he completed fellowships in cardiology and advanced heart failure and transplant at Stanford before joining the faculty.

Alex is now an active clinician and heart failure researcher who focuses on health economics, the implementation of high-value care strategies, and comparative effectiveness. He is involved in three clinical trials at this time: K-23 funded PRO-HF (patient centered quality of life assessments), DOT-HF (mobile device based implementation trial), and a CAC notification pilot trial (patient centered coronary artery calcification notification).

In his free time, he enjoys entertaining and being entertained by his ebullient sons, Kyle and Tyler.

CLINICAL FOCUS

- Cardiology
- Heart Failure
- Cardiovascular Disease

ACADEMIC APPOINTMENTS

- Instructor, Medicine - Cardiovascular Medicine

- Member, Cardiovascular Institute

PROFESSIONAL EDUCATION

- Residency: Stanford University Internal Medicine Residency (2014) CA
- Fellowship: Stanford University Advanced Heart Failure and Transplant Fellowship (2020) CA
- Medical Education: Northwestern University Feinberg School of Medicine (2011) IL
- Fellowship: Stanford University Cardiovascular Medicine Fellowship (2019) CA
- Board Certification: Echocardiography, National Board of Echocardiography (2019)
- Board Certification: Cardiovascular Disease, American Board of Internal Medicine (2019)
- Board Certification: Internal Medicine, American Board of Internal Medicine (2014)
- Internship: Stanford University Internal Medicine Residency (2012) CA
- Master of Science, Stanford University , Health Services Research (2016)

Research & Scholarship

CLINICAL TRIALS

- Incidental Coronary Calcification Quality Improvement Project, Not Recruiting
- Patient-Reported Outcome Measurement in Heart Failure Clinic, Not Recruiting

Publications

PUBLICATIONS

- **Updating the Accuracy of Administrative Claims for Identifying Left Ventricular Ejection Fraction Among Patients With Heart Failure.** *Circulation. Cardiovascular quality and outcomes*
Sandhu, A. T., Zheng, J., Skye, M., Heidenreich, P. A.
2023: e008919
- **Cost-effectiveness of Sodium-Glucose Cotransporter-2 Inhibitors for Patients With Heart Failure and Preserved Ejection Fraction-Living on the Edge.** *JAMA cardiology*
Sandhu, A. T., Cohen, D. J.
2023
- **Variation in Cost of Echocardiography Within and Across US Hospitals.** *Journal of the American Society of Echocardiography : official publication of the American Society of Echocardiography*
Wei, C., Milligan, M., Lam, M., Heidenreich, P. A., Sandhu, A.
2023
- **Predictors of Incident Heart Failure Diagnosis Setting: Insights From the Veterans Affairs Healthcare System.** *JACC. Heart failure*
Tisdale, R. L., Fan, J., Calma, J., Cyr, K., Podchyska, T., Stafford, R. S., Maron, D. J., Hernandez-Boussard, T., Ambrosy, A., Heidenreich, P. A., Sandhu, A. T.
2022
- **Disparities in Adoption of New Diabetic Therapies with Cardiovascular Benefits.** *Diabetes research and clinical practice*
Vasti, E. C., Basina, M., Calma, J., Maron, D. J., Rodriguez, F., Sandhu, A. T.
2022: 110233
- **Early Results of the Patient-Reported Outcome Measurement in Heart Failure Clinic (PRO-HF) Trial**
Sandhu, A. T., Zheng, J., Kalwani, N. M., Gupta, A., Calma, J., Amano, A., Johnson, C., Winget, M., Heidenreich, P. A.
LIPPINCOTT WILLIAMS & WILKINS.2022: E572
- **Incidental Coronary Artery Calcium: Opportunistic Screening of Prior Non-Gated Chest Cts to Improve Statin Rates**
Sandhu, A. T., Rodriguez, F., Ngo, S., Patel, B., Mastrodicasa, D., Eng, D. T., Khandwala, N., Balla, S., Sousa, D., Maron, D. J.
LIPPINCOTT WILLIAMS & WILKINS.2022: E601-E602

- **Use of lipid-lowering therapy preceding first hospitalization for acute myocardial infarction or stroke.** *American journal of preventive cardiology*
Sandhu, A. T., Rodriguez, F., Maron, D. J., Heidenreich, P. A.
2022; 12: 100426
- **Disparities in virtual cardiology visits among Veterans Health Administration patients during the COVID-19 pandemic.** *JAMIA open*
Tisdale, R. L., Ferguson, J., Van Campen, J., Greene, L., Sandhu, A. T., Heidenreich, P. A., Zulman, D. M.
2022; 5 (4): ooac103
- **Methamphetamine-associated heart failure: a systematic review of observational studies.** *Heart (British Cardiac Society)*
Manja, V., Nrusimha, A., Gao, Y., Sheikh, A., McGovern, M., Heidenreich, P. A., Sandhu, A. T., Asch, S.
2022
- **Cardiovascular vs. non-cardiovascular deaths after heart failure hospitalization in young, older, and very old patients.** *ESC heart failure*
Nakamaru, R., Shiraishi, Y., Sandhu, A. T., Heidenreich, P. A., Shoji, S., Kohno, T., Takei, M., Nagatomo, Y., Nakano, S., Kohsaka, S., Yoshikawa, T.
2022
- **Cost-effectiveness of Empagliflozin in Patients With Heart Failure With Preserved Ejection Fraction.** *JAMA internal medicine*
Zheng, J., Parizo, J. T., Spertus, J. A., Heidenreich, P. A., Sandhu, A. T.
2022
- **Incidental Coronary Artery Calcium: Opportunistic Screening of Prior Non-gated Chest CTs to Improve Statin Rates (NOTIFY-1 Project).** *Circulation*
Sandhu, A. T., Rodriguez, F., Ngo, S., Patel, B. N., Mastrociccia, D., Eng, D., Khandwala, N., Balla, S., Sousa, D., Maron, D. J.
2022
- **Impact of Patient-Reported Outcome Measurement in Heart Failure Clinic on Clinician Health Status Assessment and Patient Experience: A Sub-Study of the PRO-HF Trial.** *Circulation. Heart failure*
Sandhu, A. T., Zheng, J., Kalwani, N., Gupta, A., Calma, J., Skye, M., Lan, R., Yu, B., Spertus, J., Heidenreich, P.
2022
- **Disparities in Hospital Length of Stay Across Race and Ethnicity Among Patients With Heart Failure.** *Circulation. Heart failure*
Zheng, J., Tisdale, R. L., Heidenreich, P. A., Sandhu, A. T.
2022; 15 (11): e009362
- **The Patient-Reported Outcome Measurement in Heart Failure Clinic Trial: Rationale and Methods of The PRO-HF Trial.** *American heart journal*
Kalwani, N. M., Calma, J., Varghese, G. M., Gupta, A., Zheng, J., Brown-Johnson, C., Amano, A., Vilendrer, S., Winget, M., Asch, S. M., Heidenreich, P., Sandhu, A.
2022
- **Treatment Differences in Medical Therapy for Heart Failure With Reduced Ejection Fraction Between Sociodemographic Groups.** *JACC. Heart failure*
Witting, C., Zheng, J., Tisdale, R. L., Shannon, E., Kohsaka, S., Lewis, E. F., Heidenreich, P., Sandhu, A.
2022
- **Medical therapy for patients with recent-onset heart failure with reduced ejection fraction during the COVID-19 pandemic: Insights from the Veteran's affairs healthcare system.** *American heart journal plus : cardiology research and practice*
Sandhu, A., Zheng, J., Tisdale, R., Kohsaka, S., Turakhia, M. P., Heidenreich, P.
2022: 100210
- **alpha-1 Adrenergic receptor antagonists and risk of severe COVID-19**
Smith, E., Graham, D., Izurieta, H., Zhang, D., Avagyan, A., Lyu, H., Wiederhorn, A., Lu, Y., Mosholder, A., Zhao, Y., Shanguan, S., Tsai, H., Pennap, et al
WILEY.2022: 163-164
- **Potential association with malnutrition and allocation of combination medical therapies in hospitalized heart failure patients with reduced ejection fraction.** *Scientific reports*
Kawakubo, Y., Shiraishi, Y., Kohsaka, S., Kohno, T., Goda, A., Nagatomo, Y., Nishihata, Y., Saji, M., Takei, M., Ikegami, Y., Niimi, N., Sandhu, A. T., Nakano, et al
2022; 12 (1): 8318
- **Regional variations in the process of care for patients undergoing percutaneous coronary intervention in Japan.** *The Lancet regional health. Western Pacific*
Shoji, S., Yamaji, K., Sandhu, A. T., Ikemura, N., Shiraishi, Y., Inohara, T., Heidenreich, P. A., Amano, T., Ikari, Y., Kohsaka, S.
2022; 22: 100425

- **2022 AHA/ACC/HFSA Guideline for the Management of Heart Failure: A Report of the American College of Cardiology/American Heart Association Joint Committee on Clinical Practice Guidelines.** *Circulation*
Heidenreich, P. A., Bozkurt, B., Aguilar, D., Allen, L. A., Byun, J. J., Colvin, M. M., Deswal, A., Drazner, M. H., Dunlay, S. M., Evers, L. R., Fang, J. C., Fedson, S. E., Fonarow, et al
2022: 101161CIR0000000000001063
- **2022 AHA/ACC/HFSA Guideline for the Management of Heart Failure: Executive Summary: A Report of the American College of Cardiology/American Heart Association Joint Committee on Clinical Practice Guidelines.** *Circulation*
Heidenreich, P. A., Bozkurt, B., Aguilar, D., Allen, L. A., Byun, J. J., Colvin, M. M., Deswal, A., Drazner, M. H., Dunlay, S. M., Evers, L. R., Fang, J. C., Fedson, S. E., Fonarow, et al
2022: 101161CIR0000000000001062
- **2022 AHA/ACC/HFSA Guideline for the Management of Heart Failure: A Report of the American College of Cardiology/American Heart Association Joint Committee on Clinical Practice Guidelines.** *Journal of the American College of Cardiology*
Heidenreich, P. A., Bozkurt, B., Aguilar, D., Allen, L. A., Byun, J. J., Colvin, M. M., Deswal, A., Drazner, M. H., Dunlay, S. M., Evers, L. R., Fang, J. C., Fedson, S. E., Fonarow, et al
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- **2022 AHA/ACC/HFSA Guideline for the Management of Heart Failure: Executive Summary: A Report of the American College of Cardiology/American Heart Association Joint Committee on Clinical Practice Guidelines.** *Journal of the American College of Cardiology*
Heidenreich, P. A., Bozkurt, B., Aguilar, D., Allen, L. A., Byun, J. J., Colvin, M. M., Deswal, A., Drazner, M. H., Dunlay, S. M., Evers, L. R., Fang, J. C., Fedson, S. E., Fonarow, et al
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- **2022 AHA/ACC/HFSA Guideline for the Management of Heart Failure: Executive Summary: A Report of the American College of Cardiology/American Heart Association Joint Committee on Clinical Practice Guidelines.** *Journal of cardiac failure*
Heidenreich, P. A., BozkurtChair, B., Aguilar, D., Allen, L. A., Byun, J. J., Colvin, M. M., Deswal, A., Drazner, M. H., Dunlay, S. M., Evers, L. R., Fang, J. C., Fedson, S. E., Fonarow, et al
2022
- **Assessment of coding-based frailty algorithms for long-term outcome prediction among older people in community settings: a cohort study from the Shizuoka Kokuho Database.** *Age and ageing*
Nishimura, S., Kumamaru, H., Shoji, S., Nakatani, E., Yamamoto, H., Ichihara, N., Miyachi, Y., Sandhu, A. T., Heidenreich, P. A., Yamauchi, K., Watanabe, M., Miyata, H., Kohsaka, et al
2022; 51 (3)
- **Economic Issues in Heart Failure in the United States.** *Journal of cardiac failure*
Heidenreich, P. A., Fonarow, G. C., Opsha, Y., Sandhu, A. T., Sweitzer, N. K., Warraich, H. J.
1800
- **Perks and Pitfalls of Performance-Linked Reimbursement for Novel Drugs: The Case of Sacubitril-Valsartan.** *Circulation. Cardiovascular quality and outcomes*
Sandhu, A. T., Heidenreich, P. A., Lin, J., Parizo, J., Bhattacharya, J., Goldhaber-Fiebert, J. D.
1800; 15 (1): e007993
- **Variability in Coronary Artery Disease Testing for Patients With New-Onset Heart Failure.** *Journal of the American College of Cardiology*
Zheng, J., Heidenreich, P. A., Kohsaka, S., Fearon, W. F., Sandhu, A. T.
2022; 79 (9): 849-860
- **Opportunistic Incidence Prediction of Multiple Chronic Diseases from Abdominal CT Imaging Using Multi-task Learning**
Blankemeier, L., Gallegos, I., Chaves, J., Maron, D., Sandhu, A., Rodriguez, F., Rubin, D., Patel, B., Willis, M., Boutin, R., Chaudhari, A. S., Wang, L., Dou, et al
SPRINGER INTERNATIONAL PUBLISHING AG.2022: 309-318
- **Utilization of Generic Cardiovascular Drugs in Medicare's Part D Program.** *Circulation. Cardiovascular quality and outcomes*
Ma, I., Tisdale, R. L., Vail, D., Heidenreich, P. A., Sandhu, A. T.
2021: CIRCOUTCOMES120007559
- **Seasonal influenza vaccination is associated with reduced risk of death among Medicare beneficiaries#.** *Vaccine*
Buchman, T. G., Simpson, S. Q., Sciarretta, K. L., Finne, K. P., Sowers, N., Collier, M., Chavan, S., Do, R., Lin, C., Oke, I., Rhodes, K. E., Santhosh, A., Sandhu, et al
2021

- **Development of a Knee Arthroplasty Episode-Based Cost Measure for Evaluating Cost in the Merit-Based Incentive Payment System.** *The Journal of bone and joint surgery. American volume*
Choradia, N., Lam, J., Luo, B., Bounds, S., Yates, A. J., Quintana, J., Do, R., Feinberg, L., Sandhu, A., Vail, D., MaCurdy, T., Nagavarapu, S., Bhattacharya, et al
2021
- **Disparity in the Setting of Incident Heart Failure Diagnosis.** *Circulation. Heart failure*
Sandhu, A. T., Tisdale, R. L., Rodriguez, F., Stafford, R. S., Maron, D. J., Hernandez-Boussard, T., Lewis, E., Heidenreich, P. A.
2021: CIRCHEARTFAILURE121008538
- **DISPARITIES IN VIRTUAL CARDIOLOGY VISITS AMONG VETERANS HEALTH ADMINISTRATION PATIENTS DURING THE COVID-19 PANDEMIC**
Tisdale, R. L., Ferguson, J. M., Van Campen, J., Greene, L., Sandhu, A., Heidenreich, P., Zulman, D.
SPRINGER.2021: S168
- **High-Deductible Health Plans and Emergency Care for Chest Pain: To Go or Not to Go?** *Circulation*
Kalwani, N. M., Sandhu, A. T.
2021
- **Renin-Angiotensin-Aldosterone System Inhibitors and SARS-CoV-2 Infection: An Analysis from the Veteran's Affairs Healthcare System: Sandhu. ACEI, ARB, and Association with COVID.** *American heart journal*
Sandhu, A. T., Kohsaka, S., Lin, S., Woo, C. Y., Goldstein, M. K., Heidenreich, P. A.
2021
- **Availability of Cost-effectiveness Studies for Drugs With High Medicare Part D Expenditures.** *JAMA network open*
Tisdale, R. L., Ma, I., Vail, D., Bhattacharya, J., Goldhaber-Fiebert, J. D., Heidenreich, P. A., Sandhu, A. T.
2021; 4 (6): e2113969
- **Automated coronary calcium scoring using deep learning with multicenter external validation.** *NPJ digital medicine*
Eng, D., Chute, C., Khandwala, N., Rajpurkar, P., Long, J., Shleifer, S., Khalaf, M. H., Sandhu, A. T., Rodriguez, F., Maron, D. J., Seyyedi, S., Marin, D., Golub, et al
2021; 4 (1): 88
- **Cost-effectiveness of Dapagliflozin for Treatment of Patients With Heart Failure With Reduced Ejection Fraction.** *JAMA cardiology*
Parizo, J. T., Goldhaber-Fiebert, J. D., Salomon, J. A., Khush, K. K., Spertus, J. A., Heidenreich, P. A., Sandhu, A. T.
2021
- **Development of Episode-Based Cost Measures for the US Medicare Merit-based Incentive Payment System** *JAMA HEALTH FORUM*
Duseja, R., Andress, J., Sandhu, A. T., Bhattacharya, J., Lam, J., Nagavarapu, S., Nilasena, D., Choradia, N., Do, R., Feinberg, L., Bounds, S., Leoung, J., Luo, et al
2021; 2 (5)
- **COST-EFFECTIVENESS AND SYSTEM-WIDE IMPACT OF USING HEPATITIS C-VIREMIC DONORS FOR HEART TRANSPLANT**
Wayda, B., Sandhu, A., Parizo, J., Teuteberg, J., Khush, K.
ELSEVIER SCIENCE INC.2021: 3417
- **STATIN ADHERENCE AFTER HEART TRANSPLANTATION: AN OUTCOMES ANALYSIS**
Li, K., Kalwani, N., Sandhu, A., Khush, K., Fearon, W.
ELSEVIER SCIENCE INC.2021: 569
- **PREDICTORS OF SETTING OF HEART FAILURE DIAGNOSIS**
Tisdale, R., Stafford, R., Maron, D., Hernandez-Boussard, T., Rodriguez, F., Heidenreich, P., Sandhu, A.
ELSEVIER SCIENCE INC.2021: 676
- **Development of Episode-Based Cost Measures for the US Medicare Merit-based Incentive Payment System.** *JAMA health forum*
Duseja, R., Andress, J., Sandhu, A. T., Bhattacharya, J., Lam, J., Nagavarapu, S., Nilasena, D., Choradia, N., Do, R., Feinberg, L., Bounds, S., Leoung, J., Luo, et al
2021; 2 (5): e210451
- **Correspondence to European Heart Journal - Quality of Care and Clinical Outcomes in response to letter by Dalal H. et al.** *European heart journal. Quality of care & clinical outcomes*
Thomas, M., Jones, P. G., Cohen, D. J., Arnold, S. V., Magnuson, E. A., Thourani, V. H., Fonarow, G. C., Sandhu, A. T., Spertus, J. A.
2021

- **Development of a Cost Measure for Screening/Surveillance Colonoscopy for the Merit-Based Incentive Payment System.** *Gastroenterology*
Park, W. G., Sandhu, A., MaCurdy, T., collaborators of the Clinical Subcommittee for Screening/Surveillance Colonoscopy, U. A., Choradia, N., Schmitt, C., Koscheski, C., Lam, J., Bounds, S., Do, R., Feinberg, L., Vail, D., Nagavarapu, et al
2021
- **Development of the Elective Outpatient Percutaneous Coronary Intervention Episode-Based Cost Measure.** *Circulation. Cardiovascular quality and outcomes*
Sandhu, A. T., Do, R., Lam, J., Blankenship, J., Van Decker, W., Rich, J., Gonzalez, O., Wu, X., Pershing, S., Lin, E., MaCurdy, T. E., Bhattacharya, J., Nagavarapu, et al
2021: CIRCOUTCOMES119006461
- **The Affordability of Guideline-Directed Medical Therapy: Cost Sharing is a Critical Barrier to Therapy Adoption.** *Circulation*
Sandhu, A. T., Heidenreich, P. A.
2021; 143 (11): 1073–75
- **Evaluation of Quality of Care for US Veterans With Recent-Onset Heart Failure With Reduced Ejection Fraction.** *JAMA cardiology*
Sandhu, A. T., Kohsaka, S., Turakhia, M. P., Lewis, E. F., Heidenreich, P. A.
2021
- **Cost-effectiveness and system-wide impact of using Hepatitis C-viremic donors for heart transplant.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Wayda, B., Sandhu, A. T., Parizo, J., Teuteberg, J. J., Khush, K. K.
2021
- **Risk of Covid-19-Related Hospitalization and More Severe Outcomes in Medicare Beneficiaries Treated with Renin-Angiotensin-Aldosterone System Inhibitors for Hypertension.** *Journal of general internal medicine*
Graham, D. J., Izurieta, H. S., Muthuri, S. G., Zhang, D., Sandhu, A. T., Lu, Y., Zhao, Y., Feng, Y., Eworuke, E., Lyu, H., Gandotra, C., Smith, E. R., Avagyan, et al
2021
- **Predicting the EQ-5D from the Kansas City Cardiomyopathy Questionnaire (KCCQ) in Patients with Heart Failure.** *European heart journal. Quality of care & clinical outcomes*
Thomas, M. n., Jones, P. G., Cohen, D. J., Arnold, S. V., Magnuson, E. A., Wang, K. n., Thourani, V. H., Fonarow, G. C., Sandhu, A. T., Spertus, J. A.
2021
- **Association of Diagnostic Coding-Based Frailty and Outcomes in Patients With Heart Failure: A Report From the Veterans Affairs Health System.** *Journal of the American Heart Association*
Kohsaka, S., Sandhu, A. T., Parizo, J. T., Shoji, S., Kumamamru, H., Heidenreich, P. A.
2020: e016502
- **Interpreting the Kansas City Cardiomyopathy Questionnaire in Clinical Trials and Clinical Care: JACC State-of-the-Art Review.** *Journal of the American College of Cardiology*
Spertus, J. A., Jones, P. G., Sandhu, A. T., Arnold, S. V.
2020; 76 (20): 2379–90
- **Evaluation of variation in insurance payor mix among heart transplant centers.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Parizo, J. T., Desai, M., Rodriguez, F., Sandhu, A. T., Khush, K. K.
2020
- **Association Between Neighborhood Social Risk and Hospital Readmission Reduction Penalties Under the New Stratified Approach: Is Dual Eligibility Adjustment Enough?** *Circulation. Cardiovascular quality and outcomes*
Sandhu, A. T., Tisdale, R., Joynt Maddox, K. E., Heidenreich, P. A.
2020: CIRCOUTCOMES119006353
- **Trends in Readmission and Mortality Rates Following Heart Failure Hospitalization in the Veterans Affairs Health Care System From 2007 to 2017.** *JAMA cardiology*
Parizo, J. T., Kohsaka, S., Sandhu, A. T., Patel, J., Heidenreich, P. A.
2020
- **Ischemic and Bleeding Events Among Patients With Acute Coronary Syndrome Associated With Low-Dose Prasugrel vs Standard-Dose Clopidogrel Treatment.** *JAMA network open*

- Shoji, S., Sawano, M., Sandhu, A. T., Heidenreich, P. A., Shiraiishi, Y., Ikemura, N., Ueno, K., Suzuki, M., Numasawa, Y., Fukuda, K., Kohsaka, S.
2020; 3 (4): e202004
- **INCIDENTAL CORONARY ARTERY CALCIFICATION IN NON-GATED CT SCANS**
Sanders, M., Balla, S., Rodriguez, F., Patel, B., Eng, D., Khandwala, N., Sandhu, A., Maron, D.
ELSEVIER SCIENCE INC.2020: 1806
 - **Adjustment For Social Risk Factors Does Not Meaningfully Affect Performance On Medicare's MIPS Clinician Cost Measures.** *Health affairs (Project Hope)*
Sandhu, A. T., Bhattacharya, J. n., Lam, J. n., Bounds, S. n., Luo, B. n., Moran, D. n., Uwilingiyimana, A. S., Fenson, D. n., Choradia, N. n., Do, R. n., Feinberg, L. n., MaCurdy, T. n., Nagavarapu, et al
2020; 39 (9): 1495–1503
 - **Trends in Readmission and Mortality Rates Following Heart Failure Hospitalization in the Veterans Affairs Health Care System From 2007 to 2017.** *JAMA cardiology*
Parizo, J. T., Kohsaka, S. n., Sandhu, A. T., Patel, J. n., Heidenreich, P. A.
2020; 5 (9): 1042–47
 - **Association Between Current and Future Annual Hospital Percutaneous Coronary Intervention Mortality Rates** *JAMA CARDIOLOGY*
Sandhu, A. T., Kohsaka, S., Bhattacharya, J., Fearon, W. F., Harrington, R. A., Heidenreich, P. A.
2019; 4 (11): 1077–83
 - **Engaging Cardiology Providers in Quality Measurement.** *Journal of the American Heart Association*
Heidenreich, P., Sandhu, A., Schofield, R.
2019; 8 (9): e012519
 - **EVALUATION OF TRENDS IN READMISSION AND MORTALITY RATES AFTER HEART FAILURE HOSPITALIZATION IN THE VETERANS AFFAIRS HEALTH CARE SYSTEM BETWEEN 2007 AND 2017**
Parizo, J., Kohsaka, S., Sandhu, A., Patel, J., Heidenreich, P.
ELSEVIER SCIENCE INC.2019: 737
 - **Comparison of the change in heart failure readmission and mortality rates between hospitals subject to hospital readmission reduction program penalties and critical access hospitals** *AMERICAN HEART JOURNAL*
Sandhu, A. T., Heidenreich, P. A.
2019; 209: 63–67
 - **Coronary CT Angiography and Subsequent Risk of Myocardial Infarction** *NEW ENGLAND JOURNAL OF MEDICINE*
Sandhu, A. T., Maron, D. J.
2019; 380 (3): 299
 - **Optimizing the Use of Heart Transplant in the United States.** *JAMA*
Sandhu, A. T., Woo, Y. J., Khush, K. K.
2019; 322 (18): 1772–74
 - **Validity of Performance and Outcome Measures for Heart Failure.** *Circulation. Heart failure*
Patel, J., Sandhu, A., Parizo, J., Moayed, Y., Fonarow, G. C., Heidenreich, P. A.
2018; 11 (9): e005035
 - **Association Between Offering Limited Left Ventricular Ejection Fraction Echocardiograms and Overall Use of Echocardiography** *JAMA INTERNAL MEDICINE*
Sandhu, A. T., Parizo, J., Moradi-Ragheb, N., Heidenreich, P. A.
2018; 178 (9): 1270–+
 - **Association Between Offering Limited Left Ventricular Ejection Fraction Echocardiograms and Overall Use of Echocardiography.** *JAMA internal medicine*
Sandhu, A. T., Parizo, J., Moradi-Ragheb, N., Heidenreich, P. A.
2018
 - **Heart failure management with ambulatory pulmonary artery pressure monitoring** *TRENDS IN CARDIOVASCULAR MEDICINE*
Sandhu, A. T., Heidenreich, P. A.
2018; 28 (3): 212–19

- **Cost-Effectiveness of Sacubitril-Valsartan in Patients Who Have Heart Failure With Reduced Ejection Fraction.** *Annals of internal medicine*
Sandhu, A. T., Ollendorf, D. A., Chapman, R. H., Pearson, S. D., Heidenreich, P. A.
2017; 166 (8): 607-608
- **Determinants of Raised Blood Pressure in Urban Uganda: A Community-Based Case-Control Study.** *Ethnicity & disease*
Chin, J. H., Twinobuhungiro, A., Sandhu, A., Hootsmans, N., Kayima, J., Kalyesubula, R.
2017; 27 (1): 15-20
- **Cardiovascular Testing and Clinical Outcomes in Emergency Department Patients With Chest Pain.** *JAMA internal medicine*
Sandhu, A. T., Heidenreich, P. A., Bhattacharya, J. n., Bundorf, M. K.
2017
- **Using Commercial Programs for Lifestyle Intervention: Not Reinventing the Wheel.** *Journal of the American College of Cardiology*
Maron, D. J., Sandhu, A. T.
2017; 70 (3): 328-30
- **Cost-Effectiveness of Sacubitril-Valsartan in Patients With Heart Failure With Reduced Ejection Fraction** *ANNALS OF INTERNAL MEDICINE*
Sandhu, A. T., Ollendorf, D. A., Chapman, R. H., Pearson, S. D., Heidenreich, P. A.
2016; 165 (10): 681-?
- **CardioMEMS HF for the Management of Heart Failure-Effectiveness and Value** *JAMA INTERNAL MEDICINE*
Ollendorf, D. A., Sandhu, A. T., Pearson, S. D.
2016; 176 (10): 1551-1552
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