



Alexander Tarlochan Singh Sandhu

Instructor, Medicine

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 VA and Stanford's Center for Health Policy/Primary Care and Outcomes Research. He then completed fellowships in cardiology and advanced heart failure and transplant at Stanford before joining the faculty.

He is an active heart failure researcher who focuses on health economics, the implementation of high-value care strategies, and comparative effectiveness. He is currently funded by a K23 career development award. In his free time, he enjoys playing soccer and teaching his son Kyle to play soccer (but not to head the ball).

CLINICAL FOCUS

- Cardiology
- Heart Failure
- Cardiovascular Disease

ACADEMIC APPOINTMENTS

- Instructor, Medicine

PROFESSIONAL EDUCATION

- Residency: Stanford University Internal Medicine Residency (6/30/2014) CA
- Internship: Stanford University Internal Medicine Residency (6/30/2012) CA
- Fellowship: Stanford University Cardiovascular Medicine Fellowship (06/30/2019) CA
- Fellowship: Stanford University Advanced Heart Failure and Transplant Fellowship (06/30/2020) CA
- Medical Education: Northwestern University Feinberg School of Medicine (6/15/2011) IL
- Fellowship, Stanford University , Advanced Heart Failure & Transplant (2020)
- 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)
- Residency: Stanford University Internal Medicine Residency CA
- Internship: Stanford University Internal Medicine Residency (2012) CA
- Fellowship, Stanford University , Cardiovascular Medicine (2019)
- Residency, Stanford University , Internal Medicine (2014)
- Master of Science, Stanford University , Health Services Research (2016)

Publications

PUBLICATIONS

- **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., Shiraishi, 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., Lam, J., Bounds, S., Luo, B., Moran, D., Uwilingiyimana, A. S., Fenson, D., Choradia, N., Do, R., Feinberg, L., MaCurdy, T., 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., Sandhu, A. T., Patel, J., 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., 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
- **Cost-Effectiveness of Implantable Pulmonary Artery Pressure Monitoring in Chronic Heart Failure** *JACC-HEART FAILURE*
Sandhu, A. T., Goldhaber-Fiebert, J. D., Owens, D. K., Turakhia, M. P., Kaiser, D. W., Heidenreich, P. A.
2016; 4 (5): 368-375
- **Cost Analysis of the American Board of Internal Medicine's Maintenance-of-Certification Program** *RESPONSE ANNALS OF INTERNAL MEDICINE*
Sandhu, A. T., Dudley, R. A., Kazi, D. S.
2016; 164 (8): 571-572
- **Sacubitril-Valsartan for the Treatment of Heart Failure: Effectiveness and Value.** *JAMA internal medicine*
Ollendorf, D. A., Sandhu, A. T., Pearson, S. D.
2016; 176 (2): 249-250

- **Immune thrombocytopenia** *Hospital Medicine Clinics*
Ma, I., Sandhu, A. T.
2016; 6 (1): 53-66
- **A Cost Analysis of the American Board of Internal Medicine's Maintenance-of-Certification Program** *ANNALS OF INTERNAL MEDICINE*
Sandhu, A. T., Dudley, R. A., Kazi, D. S.
2015; 163 (6): 401-?
- **Telomere length in patients with systemic lupus erythematosus and its associations with carotid plaque** *RHEUMATOLOGY*
Skamra, C., Romero-Diaz, J., Sandhu, A., Huang, Q., Lee, J., Pearce, W., McPherson, D. D., Sutton-Tyrrell, K., Pope, R., Ramsey-Goldman, R.
2013; 52 (6): 1101-1108