Meet Our Editorial Board Member

Lloyd W. Klein

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Dr. Klein is Professor of Medicine, Rush Medical College, Chicago, Illinois and Director, Clinical Cardiology Associates, Chicago and Melrose Park, Illinois. Dr. Klein received training in clinical cardiology with Richard Gorlin, Valentin Fuster & Richard Helfant, invasive cardiology with Augusto Pichard, and cardiovascular research with William Weintraub. Dr. Klein previously served on the medical faculties at Mount Sinai, University of Pennsylvania and Northwestern.

He is a nationally recognized expert in individualizing coronary revascularization strategies. He has developed a regional referral practice for both interventional and clinical cardiac patients. Listed by Castle Connolly and US News as among the top 1% of cardiologists nationally and in the Chicago area, he sees a broad range of advanced cases of coronary and valvular disease, cardiomyopathy, and congenital disease in adults.

Dr. Klein is a pioneer in the objective assessment of quality assessment and case appropriateness in coronary interventions. He has championed the measurement of risk-adjusted outcomes to evaluate interventional program and operator quality, and chaired the national committees that wrote the guidelines on these topics. He was a founder of the National Cardiovascular Data Registry, and has held various positions and chairmanships in that organization. He has published extensively using clinical databases and registries in outcomes research. Dr. Klein has participated in the development of numerous clinical and interventional practice guidelines, including the Appropriate Use Criteria for Revascularization. He has advocated on behalf of the necessity for individualized patient care and concern for patient preference within the development of guidelines in cardiac care. He was on the steering committee of ASCERT, a unique collaboration with Medicare, the first published example of comparative effectiveness research in cardiology, which was published in the New England Journal of Medicine.

His other research interests focus on determining the optimal utilization of coronary interventions, including a complete comprehension of its benefits and drawbacks in myocardial infarction, acute coronary syndromes and elective multivessel procedures. Additional work has addressed the value of various pharmacologic adjuncts during coronary interventions, the evaluation of risk in unstable angina and non-Q-wave myocardial infarction, the appraisal of coronary disease in heart transplants, the impact of traditional risk factors on coronary stenosis morphology, and the mechanism of cigarette smoking in atherosclerosis progression. He was the first to hypothesize that balloon angioplasty created platelet clumps and plaque debris, which may embolize and cause small myocardial infarctions, the first to advocate point-of-care anticoagulant testing to prevent these thrombotic events, and then contributed to protocol design and participated in clinical trials demonstrating clinical benefit. He has also led efforts within the profession to improve catheterization laboratory shielding and design to lessen the risk of occupational injury.

The author of over 500 publications and editor of four books, Dr. Klein has served on the editorial boards of the *American Journal of Cardiology*, the *Journal of the American College of Cardiology*, and *Catheterization and Cardiovascular Interventions*. He was section editor for Acute Coronary Syndromes for the *Journal of Invasive Cardiology*, and currently serves as assistant editor for Plaque Composition and Dynamics. He is a chair or member of several national and state committees of the American College of Cardiology, the American Heart Association, and the Society of Cardiac Angiography and Interventions. He has been an active member of the Interventional Scientific Leadership Council since 2009.

One of his proudest accomplishments is his significant involvement as a key faculty member in interventional, general cardiology and internal medicine training programs. He has taught over 125 cardiology fellows, 25 interventional cardiology fellows, 2 masters candidates, and hundreds of medical residents, many of who have gone on to distinguished clinical and research careers. His trainees have won the national ACP Best Research Prize three times in the last ten years. He is also gratified to have mentored several young cardiology and internal medicine attendings in developing their academic and teaching careers.

Locally, Dr. Klein has served as director and assistant director of cardiology at several teaching and community hospitals. He is currently Medical Director of his hospital PHO and is on the Board of Trustees of the system ACO. In 2012, the University of Cincinnati College of Medicine honored him with its Distinguished Alumnus Award. He has been listed numerous times in Chicago Magazine as one of the top clinical cardiologists in the city.