Supplementary Digital Content 1: PROACT Investigator List

| Institution | Principal Investigator |
| --- | --- |
| Mt Sinai Hospital, New York, NY | John Puskas, MD |
| Tacoma General Hospital, Tacoma, WA | Dennis Nichols, MD  Allen Graeve, MD  Charles Anderson, MD |
| St. Francis Heart Center, Indianapolis, IN | Marc Gerdisch, MD |
| Maine Medical Center, Portland, ME | Reed Quinn, MD |
| Southern Arizona VA Medical Center, Tucson, AZ | Lilibeth Fermin, MD  Birger Rhenman, MD |
| Sentara Norfolk General Hospital, Norfolk, VA | Michael McGrath, MD |
| St. Joseph Mercy Hospital, Ypsilanti, MI | Bobby Kong, MD |
| Duke University Medical Center, Durham, NC | G. Chad Hughes, MD |
| University of Arizona, Tucson, AZ | Gulshan Sethi, MD |
| UT Southwestern Medical Center, Dallas, TX | Michael Wait, MD |
| University of Florida, Gainesville, FL | Tomas Martin, MD |
| Florida Hospital, Orlando, FL | Kevin Accola, MD |
| VA Medical Center, Oklahoma City, OK | Timothy Trotter, MD |
| St. Paul’s Hospital, Vancouver, BC, Canada | Jian Ye, MD |
| Providence Heart & Vascular Institute, Portland, OR | E. Charles Douville, MD |
| Loma Linda University Medical Center, Loma Linda, CA | Alfredo Razi, MD |
| Rex Cardiothoracic Surgery, Raleigh, NC | Lance Landvater, MD |
| Forsyth Medical Center, Winston-Salem, NC | David Duncan, MD |
| New Mexico Heart Institute, Albuquerque, NM | Paul Levy, MD |
| Mary Washington Hospital, Fredericksburg, VA | Jeffrey Askew, MD |
| Beth Israel Deaconess Medical Center, Boston, MA | Robert Hagberg, MD |
| Baylor Research Institute, Dallas, TX | Barron Hamman, MD |
| St. Lukes Roosevelt, New York City, NY | Daniel Swistel, MD |
| Texas Cardiac Center, Lubbock, TX | M. Fawaz Shoukfeh, MD |
| Cotton O’Neil Clinical Research Center, Topeka, KS | Peter Tutuska, MD |
| Ohio State University, Columbus, OH | C.B. Sai-Sudhakar, MD |
| Washington University Saint Louis, St. Louis, MO | Ralph Damiano, MD |
| Cleveland Clinic, Cleveland, OH | Gosta Pettersson, MD |
| Cardiac Surgical Associates, Kissimmee, FL | Matthew Campbell, MD |
| Texas Heart Institute, Houston, TX | Igor Gregoric, MD |
| Johns Hopkins University, Baltimore, MD | Duke Cameron, MD |
| Christiana Hospital, Newark, DE | Ray Blackwell, MD |
| St. Luke’s Hospital, Kansas City, MO | Keith Allen, MD |