

Supplemental Table 1 – Investigators

Clinical Site – United States	Location	Principal Investigator	Sub-Investigator
Cleveland Clinic	Cleveland, OH	Levester Kirksey, MD	Federico Parodi, MD David Hardy, MD Sean Lyden, MD
Mayo Clinic	Rochester, MN	Sanjay Misra, MD	Haraldur Bjarnason, MD Andrew Stockland, MD Newton Neidert, MD Emily Bendel, MD Christopher Reisenauer, MD Melissa Neisen, MD Erica Knavel, MD
Sanford University of South Dakota (USD) Medical Center	Sioux Falls, SD	Angelo Santos, MD Chad Laurich, MD	Patrick Kelly, MD
King's Daughters Medical Center	Ashland, KY	Omran Abul-Khoudoud, MD	Alexander Hou, MD Paul Lewis, MD
The Mount Sinai Hospital	New York, NY	Adie Friedman, MD	Michael Dudkiewicz, MD Ronald Dreifuss, MD

Holy Name Medical Center	Teaneck, NJ	John Rundback, MD	Kevin Herman, MD
University of Alabama at Birmingham (UAB) Hospital	Birmingham, AL	Husameddin El Khudari, MD Ahmed Kamel Abdel Aal, MD	Nathan Ertel, MD Rachel Oser, MD Andrew Gunn, MD
University of Iowa Hospitals and Clinics	Iowa City, IA	Mel Sharafuddin, MD	Sandeep Laroia, MD Shiliang Sun, MD Brendan O'Shea, MD Brian Miller, MD Timothy Kresowik, MD William Sharp, MD Shengfu Wang, MD
Rush University Medical Center	Chicago, IL	Sreekumar Madassery, MD	
Sentara Vascular Specialists	Norfolk, VA	David Dexter, MD	Samuel Steerman, MD Animesh Rathore, MD Richard DeMasi, MD Gordon Stokes, MD Scott McEnroe, MD

University Surgical Associates	Chattanooga, TN	Charles Joels, MD	Mark Fugate, MD Michael Greer, MD Larry Richard Sprouse, MD Jeff Horn, MD
Christie Clinic Vein and Vascular Center	Champaign, IL	Syed Hussain, MD Nikolaos Karagiorgos, MD	Jennifer Ash, MD
Vascular Institute of Virginia	Woodbridge, VA	Sandeep Bagla, MD Rachel Piechowiak, MD	
Richmond Vascular Center	North Chesterfield, VA	Jeffrey Hull, MD	
Dialysis Access Institute	Orangeburg, SC	Mark London, MD John Ross, MD	Jackson Ewart, MD Jalal Hakmei, MD Mohamed Sheta, MD
North Carolina Nephrology	Raleigh, NC	Jeffrey Hoggard, MD	Karn Gupta, MD Sejan Patel, MD
Florida Research Network LLC	Gainesville, FL	Bret Wiechmann, MD	Wesley Mann, MD
Capital Nephrology Medical Group	Sacramento, CA	Naveen Atray, MD	Rohit Kashyap, MD Karthik Ramani, MD

SKI Vascular Center	Tempe, AZ	Randy Cooper, MD	Aslam Pervez, MD Umar Waheed, MD
Dallas Nephrology Associates	Plano, TX	Neghae Mawla, MD	Steven Beathard, MD
Coastal Vascular and Interventional	Pensacola, FL	Fernando Kafie, MD	Huey McDaniel, MD
Clinical Site – Japan	Location	Principal Investigator	Sub-Investigator
Kansai Rosai Hospital	Amagasaki	Kotaro Suemitsu, MD	Yuki Matsuoka, MD Naomi Ota, MD Kanako Oka, MD Saho Kawanishi, MD
Shonan Kamakura General Hospital	Kamakura	Naoko Isogai, MD Hidemitsu Ogino, MD	Hidemitsu Ogino, MD Katsunori Miyake, MD Rai Shimoyama, MD Naoko Isogai, MD Jun Kawachi, MD Takaaki Murata, MD Nao Kume, MD Yuto Igarashi, MD Yuma Sunou, MD Sumi Hidaka, MD

			Kunihiro Ishioka, MD
Kishiwada Tokushukai Hospital	Kishiwada	Masahiko Fujihara, MD	Yoshiaki Yokoi, MD Akihiro Higashimori, MD Nobuyuki Morioka, MD Shinji Shiotani, MD Keisuke Fukuda, MD Tomofumi Tsukizawa, MD Kensuke Kuwabara, MD Yoshiki Matsuo, MD Yuma Tanabe, MD
Shizuoka General Hospital	Shizuoka	Masaaki Murakami, MD	Noriko Mori, MD Kiyoshi Mori, MD Satoshi Tanaka, MD Ken Matsuo, MD Takao Okawa, MD Shunsuke Okamura, MD Yu Soma, MD Yoshihiro Yamamoto, MD Shota Kimura, MD Yuki Ito, MD Akira Sugawara, MD

			Kenta Ito, MD Ryo Yamada, MD Yoko Matsuo, MD Kakuya Hagiwara, MD
Tokyo Women's Hospital	Shinjuku-ku	Kazuhiro Iwadoh, MD Ichiro Nakajima, MD Shohei Fuchinoue, MD	Sachiko Hirotani, MD Kotaro Kai, MD Yuichi Ogawa, MD Katsuyuki Miki, MD Takeshi Hachisuka, MD Sayaka Morita, MD Akira Kondo, MD Kazuhiro Iwadoh, MD
Saitama Medical Center Saitama Medical University	Kawagoe	Tomonari Ogawa, MD	Hajime Hasegawa, MD Toru Hida, MD Taisuke Shimizu, MD Nozomi Abe, MD Tatsuro Sano, MD Kunihiko Yasuda, MD Tota Kiba, MD Yoshimi Okada, MD Koki Ogawa, MD Hiroaki Hara, MD

			Kento Hirose, MD Yuichiro Kawai, MD
Clinical Site – New Zealand	Location	Principal Investigator	Sub-Investigator
Auckland City Hospital	Grafton	Andrew Holden, MD	Brendan Buckley, MD Brigid Connor, MD Stephen Merrilees, MD David Semple, MD Andrew Hill, MD
Capital & Coast District Health Board	Wellington	Janaka Kesara Wickremesekera, MD (Kes Wicks)	Richard Evans, MD Lupe Taumoepeau, MD Anantha Narayanan, MD Irina Baimatova, MD