12\textsuperscript{TH} Annual Scientific Meeting

\textit{Innovations in Dialysis Access Care: Moving the Field Forward}

February 19-21, 2016 | JW Marriott Desert Ridge - Phoenix, AZ

Bharat Sachdeva, MD and Yael Vin, MD, MPH, Program Chairs
Now you can treat in-stent restenosis with the only FDA-approved stent graft for treatment of patients dialyzing with AV Grafts and AV Fistulae. Fluency® Plus Endovascular Stent Graft offers more solutions, on a clinically-proven platform with a broad range of implant diameters and lengths needed to treat the central* and peripheral veins.

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Tantalum radiopaque markers aid in precise placement

Excellent radial resistance to elastic recoil

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Advancing Lives and the Delivery of Health Care™
WELCOME

The American Society of Diagnostic and Interventional Nephrology (ASDIN) is proud to welcome you to our 12th Annual Scientific Meeting in Phoenix, Arizona. This meeting offers a variety of education and networking opportunities all designed to highlight innovations in the field. All the regular features are here...the exhibits, the abstracts, the awards and the general sessions showcasing an outstanding, multi-disciplinary faculty...but once again, we are offering live cases and videos on Friday morning and videos on-demand in the foyer throughout the meeting. New this year, is our Hands-on Session sponsored by industry on Friday afternoon starting at 1:00 pm and open to all registrants, as well as our Meet the Experts Panels sprinkled throughout the general sessions.

BE SURE TO ATTEND:

• Vasc-Alert’s Symposium on Surveillance Informatics and Interventional Outcomes  
  Friday 4:15 pm - Grand Sonoran F  
  Learn more about the Venous Access Pressure Ratio Test (VAPRT) and how it can be used to assess procedure quality and predict access life.

• ASDIN Platinum Partner Programming (details in program agenda):  
  **Bard Breakfast**  Saturday, 6:45 am - Grand Sonoran E-F  
  **Medtronic Dinner**  Saturday, 7:00 pm  - Grand Sonoran E-F  
  **Gore Breakfast**  Sunday 6:45 am - Grand Sonoran E-F

• The Associates Session for nurses, techs and other associate members, Saturday, 10:15 am – 11:45 am. This program is specifically designed for ASDIN’s associate members. Stay for a special informational lunch on IVN Certification at 12:00 noon.

• Saturday’s General Session at 1:45 pm focusing on Evidence-Based Care – reviewing and discussing topics from the most recent studies.

• Saturday’s Abstract Podium Presentations and Research Update starting at 3:45 pm

• ASDIN’s Annual Business Meeting - Saturday at 5:30 pm. Special guests Paul Rudolf, MD will provide a CMS update and Adam Weinstein, MD will address PQRS compliance. One lucky participant will receive an Apple watch (must be present to win).

THANK YOU…

ASDIN wishes to express its sincere gratitude to the Scientific Meeting Chairs, Pre-Course Chairs, and the Program Committee.

Meeting Chairs: Bharat Sachdeva, MD and Yael Vin, MD, MPH
Meeting Planning Committee: Anil Agarwal, MD, Education Committee Chair, Rajiv Dhamija, MD, Neelima Katragunta, MD, Timmy Lee, MD, Rajeev Narayan, MD, Thomas Vesely, MD
Fellows Track Chairs: Anil K. Agarwal, MD and Dirk Hentschel, MD
Live Cases and Video Session Chairs: Rick Mishler, MD, FACP and Shouwen Wang, MD, PhD
Administrator/Manager Pre-Course Chairs: Charles Boyer, PA-C, MA and Terry Litchfield, MPH, MS
Associate Program Chairs: Kevin Graham, MBA, LVN, CHDN, CASC, FACMPE & LaShawn Scott, RN, MSN/Ed, CCRN, CBCS

We invite you to “Like” us on Facebook and “Follow” us on Twitter (ASDINNews) ASDIN Scientific Meeting #ASDIN2016

ASDIN LEADERSHIP

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Aris Q. Urbanes, MD  
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James Bevis, RT (R)
Amy Dwyer, MD
Jeffrey Hoggard, MD
Timmy Lee, MD
Rajeev Narayan, MD

Vandana Dua Nijyer, MD
Jamie Ross, MD
Bharat Sachdeva, MD
Loay Salman, MD, MBA
Samesh Soundararajjan, MD
Tushar Vachharajani, MD, FASN, FACP
Stephen Ash, MD
MEETING HIGHLIGHTS

WIRELESS NETWORK AVAILABLE FOR ASDIN ATTENDEES
ASDIN is offering wireless networking for the use of our attendees and exhibitors. The connection may be made by clicking on the custom Wi-Fi network – ASDIN2016. The password for the ASDIN network is Phoenix12.

PRESENTATION INFORMATION
In an effort to be environmentally conscious, ASDIN offers program presentations online at http://www.asdin.org/handouts. After the meeting, this site will include all of the updated presentations. This year’s handouts will be maintained online for Scientific Meeting registrants for a period of three years.

ASDIN BUSINESS MEETING
Saturday, February 20th
5:30 pm – 6:30 pm - Grand Sonoran E-F
Don’t miss the ASDIN Business Meeting on Saturday. Come hear how the activities of your Society impact all aspects of your practice. In addition to information on ASDIN’s growth and programs, we will also announce the results of the ASDIN Council elections and honor our outgoing Councilors who have served the Society and the membership. One lucky attendee at the ASDIN Business Meeting will win an Apple Watch (must be present to win).

ASDIN AWARDS
Saturday, February 20th
5:15 pm - 5:30 pm – Grand Sonoran E-F
The annual ASDIN Awards presentation has always been a highlight of the meeting. This year ASDIN will present three awards:
• Gerald Beathard Award - presented in recognition of teaching excellence, scholarly activity and clinical excellence,
• ASDIN Distinguished Service Award - presented to an individual who has provided distinguished service to ASDIN, and
• Lifetime Achievement Award - presented in recognition to overall contribution to interventional nephrology.

POSTER ABSTRACTS
A record number of poster abstracts will be on display during Exhibit Hours on Saturday. Poster presenters have been asked to be present with their posters during the morning (9:45 am – 10:15 am) and afternoon (2:30 pm – 3:00 pm) breaks. Please take time to view this important work.

POSTER/Podium ABSTRACT & VIDEO AWARDS
Poster, Podium Abstract, and Video Awards will be presented on Sunday, February 21st at 9:15 am in Grand Sonoran E-F. ASDIN will recognize this year’s top podium and poster presentations onsite at the ASDIN meeting.

EXHIBITS – GRAND SONORAN G-K
Representatives will be available to update participants on current and future products and services during dedicated Exhibit Hall hours. The Exhibit Hall opens on Friday, February 19th, 5:30 pm - 7:00 pm for a special Welcome Reception. Complimentary breakfast and a boxed lunch on Saturday and breakfast on Sunday will be available for all conference attendees within the Exhibit Hall. Coffee service and refreshment breaks will also be held in the Exhibit Hall on Saturday and Sunday.

The Exhibit Hall will be open the following hours:
Friday, February 19th 5:30 pm – 7:00 pm
Saturday, February 20th 7:00 am – 3:00 pm
Sunday, February 21st 7:00 am – 10:45 am

LEAD RETRIEVAL
ASDIN Exhibitors will be utilizing lead retrieval software to better track their interaction with ASDIN attendees. Each Scientific Meeting registrant’s badge will include a unique ID number on the badge. When this number is provided to an exhibitor with the iLeads software, your name, address, phone number and email will be captured by the software. In addition, each attendee who provides his/her ID number to an exhibitor will receive an email following the meeting which will outline the booths that they visited.

MEMBER PHOTOS
Don’t miss out on the opportunity to add your picture to the ASDIN online community –www.asdin.org ASDIN will have a photographer in the Exhibit Hall on Saturday to take professional headshots for you.

Schedule:
9:45 am – 10:15 am – Headshots in Exhibit Hall during break
11:45 am – 12:45 pm – Headshots in Exhibit Hall during lunch
2:30 pm – 3:00 pm – Headshots in Exhibit Hall during break

FASDIN AND IVN RECOGNITION
On Sunday, February 21, at 9:15 am, ASDIN will recognize our new Fellow of ASDIN Recipients (inaugural class of 2016) and our IVN recipients (Associate Certification).
DIALYSIS IS CRITICAL.
CONFIDENCE IS ESSENTIAL.

We want to know: **What's critical to you?**

Please come tell us. Visit us **February 19–21**
at **ASDIN’s 12th Annual Scientific Meeting, Booth #202.**

medtronic.com/covidien
Merit Medical is proud to welcome the HERO® GRAFT to our innovative suite of renal therapy products and solutions.

COME SEE US AT BOOTH #208
ADMINISTRATOR/MANAGER PRE-COURSE & FELLOWS TRACK
FRIDAY, FEBRUARY 19TH

ADMINISTRATOR/MANAGER PRE-COURSE (Separate Registration Required)
8:00 AM - 5:25 PM | GRAND CANYON 9-11
Pre-Course Chairs: Charles Boyer, PA-C, MA, University of Michigan, Ann Arbor, MI and Terry Litchfield, MPH, MS, Lifeline Vascular Access, Vernon Hills, IL

8:00 am - 9:00 am Pre-Course Registration Grand Sonoran Foyer
9:00 am - 9:10 am Welcome and Introductions
  Charles Boyer, PA-C, MA, University of Michigan, Ann Arbor, MI
9:10 am - 9:55 am Optimizing Operational Efficiencies
  Terry Litchfield, MPH, MS, Lifeline Vascular Access, Vernon Hills, IL
9:55 am - 10:15 am Break
10:15 am - 11:15 am Cross Train Staff and Panel Discussion
  Tiffany P. Marsalis, MBA, PHR, Davita Healthcare Partners, Kingwood, TX
11:15 am – 12:00 Noon Coding Update
  Timothy A. Pflederer, MD, Illinois Kidney Disease and Hypertension Center, Peoria, IL

12:00 Noon – 1:00 pm Lunch (Included with Registration)
1:00 pm – 2:00 pm CMS: Updates and What is in the Future
  Paul M. Rudolf, MD, Arnold & Porter, LLP, Washington, DC
2:00 pm - 2:40 pm Patient Engagement Data
  LaShawn Scott, RN, MSN/Ed, CCRN, CBCS, University of Louisville, Louisville, KY
2:40 pm – 3:00 pm Break
3:00 pm – 3:45 pm RPA Kidney Quality Improvement Registry
  Adam Weinstein, MD, Kidney Health Center of Maryland, PA, Easton, MD
3:45 pm – 4:30 pm Inventory Control
  Jeff Lawrence, IOS Corp., Aliso Vijeo, CA
4:30 pm – 5:15 pm Hospital vs. ASC vs. Office Extension Reimbursement Rates
  Timothy A. Pflederer, MD, Illinois Kidney Disease and Hypertension Center, Peoria, IL
5:15 pm – 5:25 pm Closing Remarks
  Charles Boyer, PA-C, MA, University of Michigan, Ann Arbor, MI

FELLOWS TRACK
8:15 AM - 12:00 NOON | GRAND CANYON 4-5
Chairs: Anil K. Agarwal, MD, The Ohio State University Medical Center, Columbus, OH & Dirk Hentschel, MD, Brigham & Women’s Hospital, Renal Division, Boston, MA

8:15 am – 9:00 am CVC Catheter Placement - Rajiv Dhamija, MD
  Ultrasound guided cannulation and complications of CVC insertion
9:00 am – 9:30 am Case Discussion 1: When and What AVF do I Place? - Neelima Katragunta, MD
  Venous mapping and timing for AVF placement
9:30 am – 10:00 am Case Discussion 2: PD catheter: managing dysfunction - Rajeev Narayan, MD
  Review problems causing poor catheter flow and external cuff extrusion
10:00 am – 10:30 am Physical Exam of Dialysis Access/Use of Ultrasound - Adrian Sequeira, MD
  Hands on exam access and use of ultrasound to corroborate exam findings
10:30 am – 11:00 am Break
11:00 am – 11:30 am Renal Biopsy - Anil K. Agarwal, MD
  Review indications/steps and Hands-on practice of kidney biopsy/ultrasound model
11:30 am – 12:00 noon Case Discussion 3: Is fistula mature? What can I do? - Dirk Hentschel, MD
  Review common access dysfunction & options for interventions & outcomes
### ASDIN SCIENTIFIC MEETING SCHEDULE

#### FRIDAY - FEBRUARY 19, 2016

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<th>Time</th>
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<tr>
<td>8:00 am – 7:00 pm</td>
<td>Registration</td>
<td>Grand Sonoran Foyer</td>
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<tr>
<td>8:15 am – Noon</td>
<td>Fellows Track</td>
<td>Grand Canyon 4-5</td>
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<tr>
<td>9:00 am – 5:30 pm</td>
<td>Administrator/Manager Pre-Course</td>
<td>Grand Canyon 9-11</td>
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<tr>
<td>9:00 am – Noon</td>
<td>Live Cases/Video Session</td>
<td>Grand Sonoran F</td>
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<td>1:00 pm – 5:00 pm</td>
<td>Hands-On Session</td>
<td>Grand Sonoran E</td>
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<td>1:00 pm – 5:00 pm</td>
<td>Exhibitor Move-in</td>
<td>Grand Sonoran G - K</td>
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<td>4:15 pm – 5:15 pm</td>
<td>Industry Symposium Sponsored by Vasc-Alert</td>
<td>Grand Sonoran E</td>
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<tr>
<td>5:30 pm – 7:00 pm</td>
<td>Welcome Reception/Exhibit Hall</td>
<td>Grand Sonoran G - K</td>
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#### SATURDAY - FEBRUARY 20, 2016

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<tr>
<td>6:45 am – 7:45 am</td>
<td>Bard Breakfast Lecture</td>
<td>Grand Sonoran E - F</td>
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<td></td>
<td>Stent Graft Use in AV Access: The Clinical Trial Evidence</td>
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<td>Jeffrey G. Hoggard, MD, FACP, FASN, Capital Nephrology Associates, Raleigh, North Carolina</td>
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<td>7:00 am – 8:00 am</td>
<td>Breakfast</td>
<td>(within Exhibit Hall) Grand Sonoran G - K</td>
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<tr>
<td>8:00 am – 8:05 am</td>
<td>Introduction</td>
<td>Program Chairs: Bharat Sachdeva, MD, Louisiana State University Health Sciences Center, Shreveport, LA and Yael Vin, MD, MPH, Beth Israel Deaconess Medical Center, Boston, MA</td>
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<tr>
<td>8:05 am – 8:15 am</td>
<td>Welcome &amp; President’s Address</td>
<td>Kenneth Abreo, MD, Louisiana State University Health Sciences Center, Shreveport, LA</td>
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<td>8:15 am – 8:30 am</td>
<td>Gerald Beathard Annual State of the Art Lecture</td>
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<td>Innovations in Vascular Access - Have We Moved Forward?</td>
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<td>Maurizio Gallieni, MD, University of Milan, Milan, Italy</td>
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<td>8:30 am – 9:15 am</td>
<td>Innovations in Technology I: Under Investigation</td>
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<td>Theodore Saad, MD, Nephrology Associates, PA, Newark, DE and Eric Chemla, MD, St. Georges Healthcare NHS Trust, London, UK</td>
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<td>Tissue Engineered Grafts</td>
<td>Jeffrey Lawson, MD, Duke University, Durham, NC</td>
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<td>Drug Interventions to Prevent Access Failure</td>
<td>Michael Allon, MD, University of Alabama at Birmingham, Birmingham, AL</td>
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<td>Drug Eluting Angioplasty Balloons &amp; Stents</td>
<td>Dheeraj Rajan, MD, University of Toronto, Toronto, Canada</td>
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<td>Advanced Surveillance Techniques</td>
<td>Anil K. Agarwal, MBBS, MD, FACP, FASN, FNKF, The Ohio State University Medical Center, Columbus, OH</td>
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**ASDIN SCIENTIFIC MEETING SCHEDULE**

**Grand Sonoran E - F**
9:15 am – 9:45 am

**INNOVATIONS IN TECHNOLOGY - CASE PRESENTATIONS**
*Moderators: Timmy Lee, MD, MSPH, University of Alabama, Birmingham, AL & John R. Ross, MD, Regional Medical Center, Orangeburg, SC*

**HeRO Complications**  
*John R. Ross, MD, Regional Medical Center, Orangeburg, SC*

**Optical Coherence Tomography of the Dialysis Graft after Angioplasty**  
*Michael Allon, MD, University of Alabama at Birmingham, Birmingham, AL*

**Subcutaneous Implantable Cardioverter Defibrillator**  
*Rajiv Dhamija, MD, Open Access Medical Care, Inc., Long Beach, CA*

9:45 am -10:15 am  **Break and Abstracts** *(within Exhibit Hall) Grand Sonoran G - K*

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**NON-PHYSICIAN/ASSOCIATES BREAKOUT SESSION**
10:15 am – 11:45 am • Grand Sonoran B - D

**Co-Committee Chairs:**  
Kevin Graham, MBA, LVN, CHDN, CASC, FACMPE, Lifeline Vascular Access, College Station, TX and LaShawn Scott, RN, MSN/Ed, CCRN, CBCS, University of Louisville Hospital Interventional Nephrology Center, Louisville, KY

10:15 am - 10:35 am  **Clinical Training & Education - Strengthening the Newest Member of Your Team!**  
*Tiffany Marsalis, MBA, PHR, Davita Healthcare Partners, Kingwood, TX*

10:35 am - 10:55 am  **Healing Therapies - A Holistic Approach to Healing, Pain Management & Relaxation**  
*Bonne Johnston, RN, Certified Healing Therapist; University of Louisville Hospital*

10:55 am - 11:15 am  **CMS Audits - Supporting Documentation: Image Retention, Audit, and retrieval**  
*Jim Bevis II, RT (R), Lifeline Vascular Access*

11:15 am - 11:35 am  **Accreditation Update**  
*Kevin Graham, MBA, LVN, CHDN, CASC, FACMPE, Lifeline Vascular Access, College Station, TX*

11:35 am - 11:45 am  **Panel Discussion/ Q&A**

12:00 NOON - 12:30 pm  **ASSOCIATE IVN CERTIFICATION LUNCH**

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**Grand Sonoran E - F**
10:15 am – 11:00 am

**INNOVATIONS IN TECHNOLOGY II: CHANGED AND IMPROVED DESIGN**
*Moderators: Thomas Vesely, MD, Vascular Access Services, LLS, St. Louis, MO and Amy Dwyer, MD, University of Louisville, Louisville, KY*

**Hemodialysis Catheters - Designs, Materials, and Coatings**  
*Amy Dwyer, MD, University of Louisville, Louisville, KY*

**PD Catheters**  
*Bharat Sachdeva, MD, Louisiana State University Health Sciences Center, Shreveport, LA*

**Mechanical Thrombectomy Devices**  
*Thomas Vesely, MD, Vascular Access Services, LLS, St. Louis, MO*

**Portable Digital Fluoroscopy Equipment**  
*Seth J. Berkowitz, MD, Harvard Medical School, Boston, MA*

**Early Cannulation Grafts**  
*Michael Gallichio, MD, Regional Medical Center, Orangeburg, SC*

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**MEET THE EXPERTS: INNOVATIONS IN FISTULA CREATION**
*Do we really need new and expensive tools to create a fistula?*
*Moderators: Jeffrey Lawson, MD, Duke University, Durham, NC and Maurizio Gallieni, MD, University of Milan, Milan, Italy*

**Panel:**  
*Eric Chemla, Michael Gallichio, Maurizio Gallieni, Jeffrey Lawson, Gregg Miller, Dheeraj Rajan, Prabir Roy-Chaudhury, and Alexander Yevzlin*

**The Art of the Surgical Anastomosis - Technique, Hemodynamics, and the Functional Access**  
*Michael Gallichio, MD, Regional Medical Center, Orangeburg, SC*
Review of the Optiflow, EverlinQ, Ellipsys, and Intergraft Anastomotic Connector Devices
Gregg Miller, MD, Fresenius Vascular Care, New York, NY

External Support Technology for the Anastomosis
Eric Chemla, MD, St. Georges Healthcare NHS Trust, London, United Kingdom

Panel Discussion and Q&A: Do We Really Need New and Expensive Tools to Create a Fistula?

11:45 am – 12:45 pm  Lunch (within Exhibit Hall) Grand Sonoran G - K

INNOVATIONS IN PERCUTANEOUS TECHNIQUES
Moderators: Bharat Sachdeva, MD, LSU Health Sciences Center, Shreveport, LA and Dheeraj Rajan, MD, University of Toronto, Toronto, Canada

Arterial Access for Diagnosis & Intervention
Tze-Woei Tan, MD, RPVI, LSU Health Sciences Center, Shreveport, LA

The Art of Angioplasty - Achieving and Defining Success
Thomas Vesely, MD, Vascular Access Services, LLS, St. Louis, MO

Crossing Complete Total Occlusions (CTO): Venous Recanalization
Dheeraj Rajan, MD, University of Toronto, Toronto, Canada

Open the Outflow or Reduce the Inflow - the Recurring Symptomatic Lesion in a High-Flow Access
Gregg Miller, MD, Fresenius Vascular Care, New York, NY

INNOVATIONS IN PERCUTANEOUS TECHNIQUES - CASE PRESENTATION

Thrombectomy of an Aneurysmal Fistula
Theodore Saad, MD, Nephrology Associates, PA, Newark, DE

INNOVATIONS IN CLINICAL CARE I: Evidence Based Care - reviewing and discussing topics from recent studies
Moderators: Monnie Wasse, MD, MPH, Northwestern University, Chicago, IL and Michael Allon, MD, University of Alabama at Birmingham, Birmingham, AL

Access in the Elderly ESRD Patient
Timmy Lee, MD, MSPH, FACP, FASN, University of Alabama at Birmingham, Birmingham, AL

Determinants of Fistula Maturation: Report on the NIH Prospective Observational Study - How will these results shift the paradigm of patient selection and clinical care?
Michael Allon, MD, University of Alabama at Birmingham, Birmingham, AL

Graft Configuration and Patency
Tze-Woei Tan, MD, RPVI, LSU Health Sciences Center, Shreveport, LA

Percutaneous Versus Surgical Insertion of PD Catheters
Micah Chan, MD, MPH, University of Wisconsin, Madison, WI
ASDIN SCIENTIFIC MEETING SCHEDULE

2:30 pm – 3:00 pm  Break and Abstracts  (within Exhibit Hall) Grand Sonoran G - K

Grand Sonoran E - F
3:00 pm – 3:45 pm  MEET THE EXPERTS: USE OF STENTS & STENT GRAFTS:
Is it time to update and broaden the indications for stenting?
Moderators: Thomas Vesely, MD, Vascular Access Services, LLS, St. Louis, MO and Gregg Miller, MD, Fresenius Vascular Care, New York, NY
Panel: Dirk Hentschel, Gregg Miller, Dheeraj Rajan, John R. Ross, Theodore Saad, Thomas Vesely, and Alexander Yevzlin

Bare Metal Stents vs. Stent Grafts
Dirk Hentschel, MD, Brigham & Women’s Hospital, Boston, MA

Cephalic Arch
Dheeraj Rajan, MD, University of Toronto, Toronto, Canada

Stenting in the Cannulation Zone, Pseudoaneurysms and Across Joints
Thomas Vesely, MD, Vascular Access Services, LLS, St. Louis, MO

Review of Recent Stent Trials
Alexander Yevzlin, MD, University of Wisconsin, Madison, WI

Panel Discussion and Q&A: Is It Time to Update and Broaden the Indications for Stenting?

Grand Sonoran E - F
3:45 pm – 4:30 pm  Abstract Presentations & ASDIN Research Grant Update
Moderators: Prabir Roy-Chaudhury, MD, University of Arizona, Tucson, AZ and Yael Vin, MD, MPH, Beth Israel Deaconess Medical Center, Boston, MA

Research Update - Prediction of Arteriovenous Fistula Stenosis and Failure via in Vive Inflammation and Fibrin Molecular Imaging
Presented by: Jie Cui, MD

Cilostazol Attenuates Vascular Intimal Hyperplasia and Segmental Stenosis through an Alteration of Asymmetric Dimethylarginine and Vascular Endothelial Growth Factor in a Chronic Kidney Disease CD-1 Mouse Model and Hemodialysis Arteriovenous Fistula
Presented by: Wiwat Chancharoenthana, MD

Good flow, no target? A solution
Presented by: Eric Gardner, MD

Neither Pre-Existing Nor Postoperative Intimal Hyperplasia Explains Primary Failure in Two-Stage Arteriovenous Fistulae: The First Matched-pair Tissue Cohort Study
Presented by: Juan Duque, MD

4:30 pm – 5:15 pm  INNOVATIONS IN CLINICAL CARE II: TOPICS IN THE FOREFRONT OF ACCESS CARE
Moderators: Anil K. Agarwal, MBBS, MD, FACP, FASN, FNKF, The Ohio State University Medical Center, Columbus, OH, and Michael Gallichio, MD, Regional Medical Center, Orangeburg, SC

Effects of Exercise on Arteriovenous Fistula Maturation
Ranmuth Dukkipati, MD, Harbor-UCLA Medical Center, Northridge, CA

Don’t Forget the Leg - Leg Fistulae
Eric Chemla, MD, St. Georges Healthcare NHS Trust, London, United Kingdom

Brachial Vein Based Access
Neelima Katragunta, MBBS, MPH, University of Iowa, Iowa City, IA

Complications of a High Flow Fistula
Adrian Sequeira, MD, FACP, FASN, LSU Health Sciences Center, Shreveport, LA
ASDIN SCIENTIFIC MEETING SCHEDULE

5:15 pm – 5:30 pm  ASDIN Awards Presentation  Grand Sonoran E - F
5:30 pm – 6:30 pm  ASDIN Business Meeting  Grand Sonoran E - F
                  CMS UPDATE
                  Paul M. Rudolf, MD, Arnold & Porter, LLP, Washington, DC
                  PQRS COMPLIANCE AND THE RPA REGISTRY
                  Adam Weinstein, MD, Kidney Health Center of Maryland, PA, Easton, MD

7:00 pm – 8:30 pm  Medtronic Dinner Lecture  Grand Sonoran E - F
                  The Treatment of CVI: ClosureFast Catheter Study 5 Year Results
                  Saravanan Bala, MD, FASN

SUNDAY - FEBRUARY 21, 2016

6:45 am – 7:45 am  W.L. Gore Breakfast Lecture  Grand Sonoran E - F
                  MEDICAL MASTERY Series Event - Vascular Access Innovations in a Changing Health Care
                  Environment: Opportunities and Challenges
                  Prabir Roy-Chaudhury, MD, PhD, FASN

7:00 am – 8:00 am  Breakfast  (within Exhibit Hall)  Grand Sonoran G - K

8:00 am – 8:45 am  INNOVATIONS IN CLINICAL CARE III -
                  TOPICS IN THE FOREFRONT OF ACCESS CARE-CASE BASED REVIEWS
                  Moderators: Micah Chan, MD, MPH, University of Wisconsin, Madison, WI, and
                  Kenneth Abreo, MD, Louisiana State University Health Sciences Center, Shreveport, LA

                  Congenital Anomalies of Superior Vena Cava and Central Venous Catheterization
                  Maurizio Gallieni, MD, University of Milan, Milan, Italy

                  Transitioning from One Access To Another
                  Kenneth Abreo, MD, LSU Health Sciences Center, Shreveport, LA

                  Management of Recurrent Access Thrombosis
                  Jeffrey Lawson, MD, Duke University, Durham, NC

8:45 am – 9:30 am  INNOVATIONS IN TRAINING
                  Moderators: Gary Gelbfish, MD, Mount Sinai Beth Israel, Brooklyn, NY, and Gerald Beathard, MD, Lifeline Vascular Access, Houston, TX

                  Training for Percutaneous PD Placement
                  Rajeev Narayan, MD, San Antonio Kidney Disease Access Center, San Antonio, TX

                  Surgical Training in Vascular Access
                  John R. Ross, MD, Regional Medical Center, Orangeburg, SC

                  Endovascular Training in Vascular Access
                  Gerald Beathard, MD, Lifeline Vascular Access, Houston, TX

                  Improving Procedural Skills Through Simulation
                  Jean Nehme, MD, Touch Surgery, London, United Kingdom

9:30 am – 9:45 am  ASDIN Abstract & Video Awards and Recognition of FASDIN & IVN Certification
ASDIN SCIENTIFIC MEETING SCHEDULE

9:45 am – 10:15 am

**INNOVATIONS IN HEALTHCARE I - THE EVOLUTION TOWARD A PATIENT CENTERED MODEL**

*Moderators: Neelima Katragunta, MBBS, MPH, University of Iowa, Iowa City, IA, and Aris Urbanes, MD, Lifeline Vascular Access, Grosse Pointe Park, MI*

- Linking Quality to Payment - What We Should All Know About PQRS
  Aris Urbanes, MD, Lifeline Vascular Access, Grosse Pointe Park, MI

- Disparities in Access Care
  Monnie Wasse, MD, MPH, Northwestern University, Chicago, IL

- Getting the Patient Involved
  Yael Vin, MD, MPH, Beth Israel Deaconess Medical Center, Boston, MA

10:20 am – 10:45 am  **Break (within Exhibit Hall) Grand Sonoran G - K**

10:45 am – 11:30 am

**PATIENT AND DOCTOR SAFETY FIRST**

*Moderators: Dirk Hentschel, MD, Brigham and Women’s Hospital, Boston, MA and Rajiv Dhamija, MD, Open Access Medical Care, Inc., Long Beach, CA*

- Risks from Occupational Exposure to Radiation
  Edward Diethrich, MD, Arizona Heart Foundation, Phoenix, AZ

- Arterial Clot
  Zubin Irani, MD, Massachusetts General Hospital, Boston, MA

- Central Vein Rupture
  John R. Ross, MD, Regional Medical Center, Orangeburg, SC

11:30 am – 12:15 pm

**INNOVATIONS IN HEALTHCARE II - CUTTING COSTS AND THE BUSINESS OF ACCESS CENTERS**

*Moderators: Timothy A. Pflederer, MD, Illinois Kidney Disease and Hypertension Center, Peoria, IL and Alexander Yevzlin, MD, University of Wisconsin, Madison, WI*

- Update from the RPA: Coding and Bundle Changes
  Timothy A. Pflederer, MD, Illinois Kidney Disease and Hypertension Center, Peoria, IL

- The Future of Surveillance and Pre-Emptive Interventions
  Aris Urbanes, MD, Lifeline Vascular Access, Grosse Pointe Park, MI

- Is a Fistula Less Expensive than a Graft?
  Gary Gelbfish, MD, Mount Sinai Beth Israel, Brooklyn, NY

12:15 pm  **Closing and Adjournment**

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**We Couldn’t Have Done It Without You!**

ASDIN would like to say Thank You to the following companies and individuals that supported the Hands-On Session & Fellows Track.

- AngioAdvancements
- AKDHC (Sherri Sheets & Rick Mishler, MD)
- Bard Peripheral Vascular
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- Merit Medical
- Randy Cooper, MD

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MEETING EVALUATION AND OBTAINING CME/CE CREDITS

Attendees seeking to obtain CME and CE credit for the 12th Annual Scientific Meeting are required to complete an online meeting evaluation – www.asdin.org/eval

You may access the survey onsite using the meeting wireless network - ASDIN2016 (password: Phoenix12).

You may complete the survey in real time. You may leave and return to the survey throughout the meeting but you MUST use the same device. Please know that you MUST hit submit at the bottom of the page to save your individual responses for each page. There is no way to save your individual answers without submitting the page. Cookies MUST be enabled on your device. CME certificates will be emailed approximately 2-3 weeks following the meeting. All evaluation forms must be completed by Friday, March 4, 2016 to receive credit.

CME
This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the Medical Society of the State of New York (MSSNY) and the American Society of Diagnostic and Interventional Nephrology (ASDIN). MSSNY is accredited by the ACCME to provide continuing medical education for physicians.

The Medical Society of the State of New York designates this live activity for a maximum of 11 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

CE for Nurses
This continuing nursing offering is provided by the American Society of Diagnostic and Interventional Nephrology. Provider approved by the California Board of Registered Nursing, Provider Number CEP15468 for a maximum of 11 contact hours. One contact hour equals one hour of program attendance.

CE for Radiological Technologists
Radiological Techs must also sign in on the sheets provided in the back of each room for each session to obtain credit. This is a new AHRA requirement.

The following portions of the 12th Annual ASDIN Scientific Meeting have been approved by The Association for Medical Imaging Management (AHRA) for the corresponding Category A, ARRT continuing education credits: 7.5

Gerald Beathard Annual State of the Art Lecture – Innovations in Vascular Access – Have We Moved Forward? - .25 Category A, ARRT CE credit
Innovations in Technology I: Under Investigation - .5 Category A, ARRT CE credit
Innovations in Technology – Case Presentations - .5 Category A, ARRT CE credit
Innovations in Technology II – Changed and Improved Designs - .5 Category A, ARRT CE credit
NonPhysician Session - .5 Category A, ARRT CE credit
Meet the Experts: Innovations in Fistula Creation - .5 Category A, ARRT CE credit
Innovations in Percutaneous Techniques - .5 Category A, ARRT CE credit
Innovations in Percutaneous Techniques – Case Presentation - .25 Category A, ARRT CE credit
Innovations in Clinical Care I - .5 Category A, ARRT CE credit
Meet the Experts: Use of Stents and Stent Grafts - .5 Category A, ARRT CE credit
Abstract Presentations + ASDIN Research Grant Update - .5 Category A, ARRT CE credit
Innovations in Clinical Care II Topics in the Forefront of Access Care - .5 Category A, ARRT CE credit
Innovations in Clinical Care III Topics in the Forefront of Access Care – Case Based Reviews - .5 Category A, ARRT CE credit
Innovations in Training - .5 Category A, ARRT CE credit
Innovations in Healthcare I – The Evolution Toward a Patient-Centered Model - .5 Category A, ARRT CE credit
Patient and Doctor Safety First - .5 Category A, ARRT CE credit
Innovations in Healthcare II – Cutting Costs and the Business of Access Centers - .5 Category A, ARRT CE credit
Accreditation Statement
This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the Medical Society of the State of New York (MSSNY) and the American Society of Diagnostic and Interventional Nephrology (ASDIN). MSSNY is accredited by the ACCME to provide continuing medical education for physicians.

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Disclosure Statement
Policies and standards of the Medical Society of the State of New York and the Accreditation Council for Continuing Medical Education require that speakers and planners for continuing medical education activities disclose any relevant financial relationships they may have with commercial interests whose products, devices or services may be discussed in the content of a CME activity.

These planners and presenters do not have any financial arrangements or affiliations with any commercial entities whose products, research, or services may be discussed in these materials:

Kenneth Abreo, MD
Anil K. Agarwal, MD
Micah Chan, MD
Wiwat Chancharoenthana, MD
Jie Cui, MD
Rajiv Dhamija, MD
Edward Diethrich, MD
Ramanath Dukkipati, MD
Juan Duque, MD
Amy Dwyer, MD
Michael Gallichio, MD
Maurizio Gallieni, MD
Gary Gelbfish, MD
Dirk Hentschel, MD
Zubin Irani, MD
Neelima Katragunta, MD
Timmy Lee, MD
Gregg Miller, MD
Rick Mishler, MD
Rajeev Narayan, MD
Jean Nehme, MD
Timothy Pflederer, MD
John R. Ross, MD
Prabir Roy-Chaudhury, MD
Bharat Sachdeva, MD
Adrian Sequeira, MD
Tze-Woei Tan, MD
Aris Q. Urbanes, MD
Yael Vin, MD
Shouwen Wang, MD
Monnie Wasse, MD

The following planners and/or presenters have disclosed information about their financial relationships:

Michael Allon, MD: Consultant, CorMedix; Consultant, W.L. Gore & Associates
Gerald A. Beathard, MD: Employee, Lifeline Vascular Access
E. S. Chemla, MD: Consultant, W.L. Gore & Associates; Consultant, Humacyte, Inc.
James Eric Gardner, MD: Consultant, Vital Access Corp
Jeffrey H. Lawson, MD, PhD: Consultant, C.R. Bard; Employee, Grant Support, Stock Share Holder, Humacyte, Inc.; Employee, Stock Share Holder, Innavasc; Research Support, Proteon Inc.; Research Support, Consultant, W.L. Gore & Associates
Dheeraj Rajan, MD: Consultant, Equity Holder, TVA Medical
Theodore F. Saad, MD: Owner/Partner, Nephrology Associates, P.A.; Shareholder, Delaware Dialysis Holdings, LLC
Thomas M. Vesely, MD: Consultant, W.L. Gore & Associates; Independent Contractor, Lutonix, Inc.; Consultant, Phase One Medical
OBJECTIVES

Gerald Beathard Annual State of the Art Lecture – Innovations in Vascular Access – Have We Moved Forward?
Discuss the current state of dialysis vascular access and the impact of recent innovations in the field.

Innovations in Technology I: Under Investigation
Discuss new dialysis devices in development, the issues the new devices will address and the current data available on effectiveness of new devices.

Innovations in Technology – Case Presentations
Discuss experience/complications with the use of HeRO device
Discuss aspects of two new technologies – one for imaging; one for implanting a percutaneous defibrillator in dialysis patients.

Innovations in Technology II – Changed and Improved Designs
Discuss the differences between devices, device data and device selection.

NonPhysician Session
Discuss Onboarding Opportunities
Review methods for various healing therapies
Identify documentation and image retention requirements in connection with a CMS Audit
Review current accreditation requirements

Meet the Experts: Innovations in Fistula Creation
Review new devices for fistula creation and discuss their role and cost compared to surgical anastomosis.

Innovations in Percutaneous Techniques
Innovations in Percutaneous Techniques – Case Presentation
Discuss aspects and approaches of selected, complex percutaneous procedures.

Innovations in Clinical Care I
Discuss recent literature and published data and integration into clinical decision-making and pertinence to interventional nephrology practice

Meet the Experts: Use of Stents and Stent Grafts
Discuss recent outcome data for stenting and the indications for stenting in view of new data.
Compare and contract pros and cons of stenting in a variety of scenarios.

Abstract Presentations + ASDIN Research Grant Update
Describe and discuss abstract presentations and recent research with direct relevance to the science and practice of interventional nephrology; including methodology, results applicability, limitations and effects current practice.

Innovations in Clinical Care II
Discuss patient care topics including data to support certain practices and complex access choices.

Innovations in Clinical Care III
Discuss complex clinical care decisions and identify anomalies that affect patient care and decision making.

Innovations in Training
Discuss training requirements for access-related procedures; surgical, percutaneous and PD.

Innovations in Healthcare I – The Evolution Toward a Patient-Centered Model
Discuss how patients are affected by access choice.
Discuss ways to get patients involved in their access care.
Discuss disparities in patient care and approaches to overcome disparities.

Patient and Doctor Safety First
Discuss methods to avoid certain complications from percutaneous dialysis access procedures.

Innovations in Healthcare II
Discuss immediate and long-term changes that will affect the business of dialysis access care.
Discuss how costs will affect access choices.
We congratulate our Fellows of ASDIN!

ASDIN is proud to honor and recognize members of the society who have distinguished themselves by exceptional contributions in the field of interventional nephrology through the designation of Fellow of the American Society of Diagnostic and Interventional Nephrology (FASDIN). FASDIN represents an individual’s commitment and dedication to the mission of the society and outstanding personal achievement in this specialized field.

Kenneth Abreo, MD  
Anil Agarwal, MD  
Siddhartha Agrawal, MD  
Ammar Almehmi, MD  
Arif Asif, MD  
Saravanan Bala, MD  
Gerald Beathard, MD  
Micah Chan, MD  
Randy Cooper, MD  
Amy Dwyer, MD  
Abigai Falk, MD  
Karn Gupta, MD  
Nabil Haddad, MD  
Dirk Hentschel, MD  
Naveed Haq, MD  
Syed Hasni, MD  
Jeffrey Hoggard, MD  
Nishant Jalandhara, MD  
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Anish Shah, MD  
Salman Singapuri, MD  
Kyle Smith, MD  
Ramesh Soundararajan, MD  
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- **16% lower pressures** on average in the arterial lumen and 16% lower arterial pressures under partial occlusion than the competitor<sup>3</sup>
- **1% or less on average recirculation** rates in both forward and reverse

---

<sup>1</sup> Straight codes only.

<sup>2</sup> Flow Groups, GlidePath<sup>®</sup> and Palindrome<sup>™</sup> Precision, found to be statistically different using an Unstacked ANOVA with p-value less than 0.05 at 95% confidence (0.000 for all comparative groups). Calculation of 15% Higher Flow Rate based upon the average of the maximum flow rate values in forward and reverse. Tested using 23 cm tip to cuff straight catheters for both groups. Flow test performed using blood simulant as flow media for both groups.

<sup>3</sup> Pressure Groups found to be statistically different using an Unstacked ANOVA with p-value less than 0.05 at 95% confidence (0.000 for all comparative groups). Calculation of 16% lower pressures based upon the average of the mean arterial pressure values. Tested using 23 cm tip to cuff straight catheters for both groups. Flow test performed using blood simulant as flow media for both groups. Bench data on file. May not necessarily correlate to clinical performance. Based on simulated testing. Different tests may yield different results.

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POSTERS

Does tunnelling of the cuffed catheter without the cap reduce post-procedural bleeding?  
*Presenting Author: Shahbaj Ahmad, MD*

Percutaneous CAPD catheter insertion without image assistance: a single centre experience  
*Presenting Author: Shahbaj Ahmad, MD*

The impact of e-GFR at pre-HD access surgery on the likelihood of starting hemodialysis with a mature vascular access  
*Presenting Author: Alian Albalas, MD*

Dialysis-related Superior Vena Cava Syndrome  
*Presenting Author: Yazan Alia, MD*

End-Side Venous Anastomosis for Dialysis Access; A Fourth Option?  
*Presenting Author: Stephen R. Ash, MD, FACP*

Lower extremity arterial disease intervention in ESRD patients at an Interventional Nephrology vascular Clinic  
*Presenting Author: Saravanan Balamuthusamy, MD, FASN*

Prevalence of venous reflux disease and outcomes after radiofrequency ablation of symptomatic venous reflux disease in patients with kidney disease: A single center retrospective analysis  
*Presenting Author: Saravanan Balamuthusamy, MD, FASN*

DRAE for DASS  
*Presenting Author: Paul-Moreau Bossous, MD*

Cilostazol Attenuates Vascular Intimal Hyperplasia and Segmental Stenosis through an Alteration of Asymmetrical Dimethylarginine and Vascular Endothelial Growth Factor in a Chronic Kidney Disease CD-1 Mouse Model and Hemodialysis Arteriovenous Fistula  
*Presenting Author: Wiwat Chancharoenthana, MD, PhD*

Distal Arterial Embolization a Complication of Percutaneous Thrombectomy of Arteriovenous Grafts and Fistulas  
*Presenting Author: Chyi Chyi Chong, MD*

Good flow, no target? A solution  
*Presenting Author: Eric Gardner, MD*

Paclitaxel-coated angioplasty in the hemodialysis access circuit: To score or not to score?  
*Presenting Author: Jie Cui, MD*

Assessing Efficacy of Interrupting Rivaling Access-flow with Non-surgical Image-guided-ligation (IRANI) procedure in Hemodialysis Access  
*Presenting Author: Jie Cui, MD*

Hemodialysis catheter exchange procedures: What is the foe?  
*Presenting Author: Adriana Dejman, MD*

Fibrin Sheath, Central Venous Stenosis, And Central Venous Thrombus As A Complication Of Tunneled Hemodialysis Catheters: What Are Their Actual Rates?  
*Presenting Author: Juan C. Duque, MD*

Neither Pre-Existing Nor Postoperative Intimal Hyperplasia Explains Primary Failure In Two-Stage Arteriovenous Fistulae: The First Matched-Pair Tissue Cohort Study  
*Presenting Author: Juan C. Duque, MD*

Early Assessment of Acute Renal Rejection  
*Presenting Author: Ayman El-Baz, PhD*

Translumbar Hemodialysis Catheter. Experience in the Specialty Hospital “La Raza” Antonio Fraga Mouret Mexican Institute of Social Security Mexico DF  
*Presenting Author: Carolina Aguilar Martinez, MD*

Initial clinical results with a novel hemodialysis catheter equipped with exit site management technology: A multicenter analysis  
*Presenting Author: Jeffrey Hoggard, MD*
Resistance index in ultrasound mapping predicts successful maturation of arteriovenous fistula without intervention assistance  
**Presenting Author: Hyeon Seok Hwang, MD, PhD**

Dissection of Left Brachiocephalic Vein during Percutaneous Transluminal Angioplasty in a Hemodialysis Patient  
**Presenting Author: Hyung-Seok Lee, MD**

Placement of Forearm J Arteriovenous Graft Configuration for Hemodialysis Access  
**Presenting Author: Hyung-Seok Lee, MD**

Placement of a New Tunneled Cuffed Catheter via External Jugular Vein for the Treatment of Exit Site Infection of Previously Indwelling Hemodialysis Catheter  
**Presenting Author: Hyung-Seok Lee, MD**

Decreased incidence of clotted AV Access in Hemodialysis patients after the implementation of follow up program  
**Presenting Author: Awad Magbri, MD**

Inadvertent perforation of the urinary bladder during peritoneal dialysis catheter placement.  
**Presenting Author: Ramesh Marahatta, MD**

Iatrogenic complications of vascular access catheters – a tale of two different catheters  
**Presenting Author: Hemant Mehta, MD**

Subclavian-Jugular iatrogenic fistula following failed internal jugular vein catheterization for hemodialysis  
**Presenting Author: Zachariah Paul P, MD**

Demographics of dialysis vascular access from a developing nation  
**Presenting Author: Zachariah Paul P, MD**

The Exchange Technique Using Previous Venotomy site Over The Guidewire from Non-tunneled to Tunneled Hemodialysis Catheter Can Be Performed without Compromising Catheter Long Term Patency  
**Presenting Author: Hoon Suk Park, MD**

Distinct Impact of Three Different Statins on Arteriovenous Fistula Outcomes: A Retrospective Analysis  
**Presenting Author: Loay H. Salman, MD**

Difficulty in placing a left IJ Tunneled HD catheter: Persistent Left Superior Vena Cava, Dextrocardia and Absent Right Lung in a patient  
**Presenting Author: Ishwinder Sidhu, MD**

Single center experience in Safety and Efficacy of placing Internal Jugular dialysis catheter tip in the IVC  
**Presenting Author: Ramesh Soundararajan, MD, FASN, FACP**

Do surgical residents and nephrology fellows feel confident managing dialysis access?  
**Presenting Author: Tze-Woei Tan, MD**

The Clinical Utility of Color-Doppler Renal Ultrasound in Determining Vascular Functional and Anatomical Abnormalities in Kidney Transplantation  
**Presenting Author: Ekamol Tantisattamo, MD**

Acute Loss of Hand Function Associated with Localized Breakthrough Hypersensitivity Reaction to Radiocontrast  
**Presenting Author: Shouwen Wang, MD, PhD**

Dilator-assisted Banding and Beyond: Proposing an Algorithm for Managing Dialysis Access-Associated Steal Syndrome  
**Presenting Author: Shouwen Wang, MD, PhD**

The association of Mineral Metabolism Parameters with Vascular Access Patency  
**Presenting Author: Alexander Yevzlin, MD**
Join Us for a MEDICAL MASTERY Series Event
Sunday, February 21

Breakfast Symposium
6:45 – 7:45 am
Grand Sonoran E-F Ballroom

Vascular access innovation in a changing health care environment: Opportunities and challenges

Prabir Roy-Chaudhury, MD, PhD, FASN
THE AMERICAN SOCIETY OF DIAGNOSTIC AND INTERVENTIONAL NEPHROLOGY SINCERELY THANKS ALL OF ITS CORPORATE PARTNERS WHOSE GENEROUS SUPPORT HAS MADE THIS MEETING POSSIBLE.

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