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WELCOME ADDRESS

Dear Colleagues, Dear Friends,

Welcome to the 12th Congress of the Vascular Access Society which is going to be held virtual form April 6–9, 2021.

Almost 100 years ago Prof. Georg Haas performed the first successful hemodialysis in Gießen (Germany). Since then renal replacement therapies have improved substantially and the development continues steadily.

The Vascular Access Society (VAS) is a multidisciplinary society of vascular access experts driving continuous improvement in the field of vascular access. The biannually VAS Congress is bringing together the international community of clinicians, vascular technologists, nurses, and researchers, devoted to the important issue of vascular access.

The scientific program will provide a three-day meeting with state-of-the-art lectures about new developments in clinical practice, basic research as well as the latest results from clinical trials. Within the scientific program you will also find sessions dedicated with nursing related topics.

The scientific program is preceded by virtual workshop for physicians and nurses.

We would like to express our thanks to partners and exhibitors for their support.

With best regards and looking forward to meeting you during our virtual congress!

Christian Hohl
Congress Chairman
SCIENTIFIC PROGRAM COMMITTEE

Christian Hohl, *Chairman of the organizing committee*

Michael Burbelko  
Matthias Eikelmann  
Maurizio Gallieni  
James Gilbert  
Markus Hollenbeck  
Jose Ibeas  
Ruben Iglesias  
Tamara Jemcov

Jan Malik  
Vladimir Matoussevitch  
Norton de Matos  
Kathleen Rickert  
Joris Rotmans  
Robert Shahverdyan  
David Shemesh  
Matteo Tozzi
SCIENTIFIC PROGRAM

All times in the congress program are in Central European Summer Time – CEST (UTC + 2)

Notice:  
- (X + Y min) → X min lecture itself and Y min discussion follows immediately after the lecture
- (X min) → X min lecture itself and discussion at the end of the session, after the last lecture

TUESDAY, APRIL 6

Pre congress hands-on workshop for physicians

15:30–17:00 Ultrasound  
Chair: David Shemesh, Markus Hollenbeck

1. Introduction presentation  
   Surendra Shenoy (18 min)
2. Virtual 3D demonstration  
   Jose Ibeas (7 min)
3. 4 case presentations  
   David Shemesh (50 min)
4. Discussion  
   David Shemesh, Surendra Shenoy, Jose Ibeas, William Jennings, Markus Hollenbeck (15 min)

17:00–17:15 Break

17:15–18:45 Interventional procedures including Fistula creation  
Chair: Michael Burbelko

1. Endovascular fistula creation  
   Robert Shahverdyan (20 min)
2. Endovascular access thrombectomy  
   Michael Burbelko (20 min)
3. Endovascular techniques for central venous occlusive disease  
   Gürkan Sengölge (20 min)
4. Discussion  
   Robert Shahverdyan, Michael Burbelko, Gürkan Sengölge (30 min)

18:45–19:00 Break
19:00–20:30 Surgical procedures
Chair: Antonio Norton de Matos

1. Surgical procedures
   Antonio Norton de Matos (75 min)
2. Discussion
   Antonio Norton de Matos (15 min)

20:30–20:45 Break

20:45–22:15 Catheters
Chair: Jose Ibeas, Mauricio Gallieni

Minilectures:
1. The Hemodialysis cateter: from basics to latest advances
   Maria Guedes (10 min)
2. How to prevent the catheter placement complications
   Mariusz Kusztal (10 min)
3. How to approach CVC malfunction due to fibrin sheath
   Jernej Pajek (10 min)

Simulations:
   Jose Ibeas (15 min)
5. Non-tunnelled catheter insertion
   Maurizio Gallieni (15 min)
6. Tunnelled catheter insertion
   Jose Ibeas (15 min)
7. Discussion
   Jose Ibeas, Maurizio Gallieni, Jernek Pajek, Mariusz Kusztal, Maria Guedes
TUESDAY, APRIL 6

Pre congress hands-on workshop for nurses

15:30–17:00  Physical Examination
   Chair: David Hernan

   1. Theoretical presentation
      David Hernan (35 min)
   2. Virtual reality demonstration
      Ruben Iglesias (10 min)
   3. Routine physical examination
      David Hernan (10 min)
   4. Clinical cases
      David Hernan, Mari Luz Sanchez (25 min)
   5. Discussion
      David Hernan, Ruben Iglesias (live 10 min)

17:00–17:15  Break

17:15–18:45  Central venous catheters
   Chair: Kathleen Rickert

   1. Theoretical presentation
      Ralf Jungmann, Beate Spindler (20 min)
   2. Virtual 3D demonstration
      Kathleen Rickert, Klaus-Ulrich Behrendt, Oliver Perkovic,
      Robert Shahverdyan (50 min)
   3. Discussion
      Ralf Jungmann, Beate Spindler, Kathleen Rickert, Klaus-Ulrich Behrendt,
      Oliver Perkovic, Robert Shahverdyan (20 min)

18:45–19:00  Break
19:00–20:30 Ultrasound of Vascular Access for nurses
*Chair: Ruben Iglesias*

1. Theoretical presentation
   *Ruben Iglesias (35 min)*
2. Virtual reality demonstration
   *Ruben Iglesias (10 min)*
3. Routine physical examination
   *Ruben Iglesias (30 min)*
4. Discussion Ruben Iglesias (live 15 min)

20:30–20:45 Break

20:45–22:15 Workshop US guided Cannulation
*Chair: Carolina Rubiella*

1. Theoretical presentation
   *Carolina Rubiella (35 min)*
2. Virtual 3D demonstration
   *Ruben Iglesias (15 min)*
3. Demonstration of US guided cannulation with anatomical simulation models
   *Ruben Iglesias (20 min)*
4. Discussion
   *Ruben Iglesias, Carolina Rubiella (15 min)*
WEDNESDAY, APRIL 7

16:00–16:15  Opening ceremony

Virtual Hall A

16:15–17:45  Vascular access overview
(Fundamental course 1)
Chair: Joris Rotmans, Jan Malik

1. Epidemiology of renal replacement therapy and vascular access
   Wolfgang Meichelboeck (20 + 2 min)

   Current state of Vascular Access
2. from the perspective of Interventional Radiology
   Günther Wittenberg (15 + 2 min)
3. from the perspective of Nephrology
   Maurizio Gallieni (15 + 2 min)
4. from the perspective of Vascular Surgery
   Richard Kellersmann (15 + 2 min)
5. from the perspective of Nursing
   Matthias Eikelmann (15 + 2 min)

17:45–18:15  Break

18:15–19:00  Industry sponsored symposium 1

19:00–19:15  Break
19:15–20:45 Recent clinical trials  
(Focus session 1)  
Chair: James Gilbert, Paul Gibbs

1. Drug-Coated Balloons for Dysfunctional Dialysis Arteriovenous Fistulas  
   Robert Lookstein (15 + 5 min)  
2. Ultrasound-based cannulation of vascular access for hemodialysis  
   George Smith (15 + 5 min)  
3. An Implanted Blood Vessel Support Device for Arteriovenous Fistulas  
   Nikolaos Karydis (15 + 5 min)  
4. A Pilot Trial of AV-fistula vs. Graft Access Strategy in older adults on  
   Hemodialysis  
   Mariana Murea (submitted abstract) (7 + 2 min)  
5. Outcome of long-term follow-up comparing one- vs. two-stage transposition  
   in brachiobasilic fistulae. Data from the Swedish Renal Registry  
   Gunilla Welander (submitted abstract) (7 + 2 min)  
6. AV-fistulas created with the help of personalised blood flow simulations:  
   clinical outcomes of a randomised control trial  
   Letty van Vliet (submitted abstract) (7 + 2 min) 

20:45–21:00 Break

21:00–22:30 Update on guidelines  
(Focus session 2)  
Chair: Robert Shahverdyan

1. Prevention and treatment of CVC dysfunction  
   Charmaine Lok (15 min)  
2. Peri-operative management to optimize arteriovenous fistula maturation  
   Koen van der Bogt (15 min)  
3. Are guidelines contradicting an individualized access creation?  
   Matthias K Widmer (15 min)  
4. Implementation and validation of a triage system of vascular access  
   performance in hemodialysis patients  
   Silverio Rotondi (submitted abstract) (7 min)  
5. Round Table Discussion  
   (15 min)
WEDNESDAY, APRIL 7
Virtual Hall B

16:15–17:45  Endovascular vs. Surgical fistula creation
(Controversy session 1)
Chair: Dheraj Rajan, Jeff Hull

1. Endovascular AV-Fistula Creation: preoperative examination and planing
   N. Mawla (10 + 5 min)
2. Updates on Ellipsys vascular access system
   A. Mallios (10 + 5 min)
3. Updates on WavelinQ vascular access system
   P. Kitrou (10 + 5 min)
4. Comparison of endovascular versus surgical proximal forearm AV-Fistulae
   R. Shahverdyan (10 + 5 min)
5. Secondary Interventions after endovascular AV-Fistula creation:
   the US experience
   Karl Illig (10 + 5 min)
6. Secondary Interventions after endovascular AV-Fistula creation:
   the European experience
   Robert Jones (10 + 5 min)

17:45–19:15  Break
19:15–20:45  **Endovascular techniques**  
*(Scientific session 1)*  
*Chair: Panagiotis Kitrou, Matteo Tozzi*

1. DCB for vascular access. Does it work? Does it harm?  
   *Panagiotis Kitrou (10 + 5 min)*

2. Helical stent (SUPERA) and drug-coated balloon (Passeo-18 Lux) for recurrent cephalic arch stenosis  
   *Tjun Yip Tang (7 + 3 min)*

3. Treatment of juxta-anastomotic stenoses for failing distal radiocephalic arteriovenous fistulas: Drug-coated balloons versus angioplasty  
   *Giovanni Failla (7 + 3 min)*

4. Efficacy of Paclitaxel Balloon for Hemodialysis Stenosis Fistulae After One Year Compared to High-Pressure Balloons  
   *Manuela Moreno-Ramírez (7 + 3 min)*

5. Transjugular percutaneous endovascular treatment of dysfunctional hemodialysis access  
   *Sung Bum Cho (7 + 3 min)*

6. Early Results of Duplex-Guided Transradial Artery Fistuloplasties  
   *Ahmad Alsheekh (7 + 3 min)*

7. Balloon assisted access for occluded central veins  
   *Hessam Salehi Nia (7 + 3 min)*

8. Safety and efficacy of balloon angioplasty for maturation of av-fistulae for hemodialysis  
   *Leonardo Harduin (submitted abstract) (7 + 3 min)*

20:45–21:00  **Break**
21:00–22:30 Cardiovascular effects of hemodialysis access (Scientific session 2)
Chair: Jan Malik

1. Hemodynamic principles in hemodialysis patients with arteriovenous access
   Carlo Lomonte (18 + 2 min)
2. The effects of high-flow fistulas on the heart and on hemodynamics
   Anna Valerianova (18 + 2 min)
3. Heart failure and vascular access – review and examples
   Jan Malik (18 + 2 min)
4. Interrogating the hemodynamic effects of hemodialysis ar-fistula on cardiac structure and function
   Sokratis Stoumpos (submitted abstract) (8 + 2 min)
5. Longitudinal MRI-based 3D geometric model and CFD analysis reveals flow instability that can be limited by an external support device
   Andrea Remuzzi (submitted abstract) (8 + 2 min)
6. AV-fistula for hemodialysis: can turbulent-like flow phenotype induce wall vibrations?
   Michaela Bozzetto (submitted abstract) (8 + 2 min)
THURSDAY, APRIL 8

13:30–14:45  VAS General Assembly

15:15–16:00  Industry sponsored symposium 2
Virtual Hall A

16:00–17:30  Vascular Access Centers: From assistance to training
(Focus session 3)
Chair: José Ibeas

Introduction by the chair
(3 min)
1. VASA
   Surendra Shenoy (12 minutes)
2. JSDA
   Hideki Kawanishi (12 minutes)
3. VAS
   José Ibeas (12 minutes)
4. Germany
   Markus Hollenbeck (12 minutes)
5. Italy
   Maurizio Gallieni (12 minutes)
6. Spain
   Ramon Roca (12 minutes)
Discussion
(15 minutes)

17:30–18:00  Break

18:00–18:45  Industry sponsored symposium 3

18:45–19:00  Break
19:00–20:30  Video session
(Video session)
Chair: William C. Jennings, David Shemesh, Surendra Shenoy

1. Extra-anatomic endovascular bypass for central vein occlusion
   Adam Farkash (12 + 3 min)
2. Brachial and Basilic Elevation Transpositions
   William C. Jennings (12 + 3 min)
3. Surgical proximal radial artery fistula creation
   Alexandros Mallios (12 + 3 min)
4. Medial claviculectomy for the treatment of recalcitrant central venous
   stenosis of hemodialysis patients
   Eric K Peden (12 + 3 min)
5. Technique of radio cephalic fistula creation using totally calcific radial artery
   Surendra Shenoy (12 + 3 min)
6. Brachial vein transposition fistula creation
   David Shemesh (12 + 3 min)

20:30–20:45  Break

20:45–21:15  The vascular access handbook for people with kidney disease: presentation
Chair: Jose Ibeas, Christian Hohl

Introduction
(1 min)
1. The Vascular Access Handbook: a need has finally been met
   Ramon Roca-Tey, President in GEMAV (8 min)
2. Vascular access management: not without the patients
   Daniel Gallego, President in EKPF (European Kidney Patients’ Federation) and ALCER (8 min)
3. The importance of educational tools
   Antonio Tombas: President in ADER (8 min)
Discussion
(5 min)
21:15–22:15 Free paper session
(Expert case discussion 1)
Chair: José Ibeas, Christian Hohl

1. New 3D morphological and functional assessment-based method for surgical education of vascular anastomosis
   *Alexandra Bálint (submitted abstract) (7 + 2 min)*

2. Long-term patency rate of autologous saphenous vein vs. prosthetic graft in vascular access surgery for hemodialysis and parenteral nutrition
   *Wouter Driessen (submitted abstract) (7 + 2 min)*

3. A comparative analysis for endovascular intervention in radio-cephalic vs. Brachio-cephalic fistulae
   *John Fallon (submitted abstract) (7 + 2 min)*

4. Creating reverse flow av-fistulas with forearm cannulation target
   *Hyein Kim (submitted abstract) (7 + 2 min)*

5. AV-shunt Indonesia: the new concept of digital telehealth platform for hemodialysis vascular access health in Indonesia
   *Niko Azhari Hidayat (submitted abstract) (7 + 2 min)*

   *Christopher Seet (submitted abstract) (7 + 2 min)*

   *Robert Shahverdyan (submitted abstract) (7 + 2 min)*
THURSDAY, APRIL 8

Virtual Hall B

16:00–17:30 Dedicated devices for vascular access
(Fundamental course 2)
Chair: A. Norton de Matos

1. Arteriovenous fistulas with an external support device
   Vladimir Matoussevitch (9 + 5 min)
2. The Hemodialysis Reliable Outflow Graft in Hemodialysis
   Nick Inston (9 + 5 min)
3. The actual benefits of the early cannulation graft
   David Kingsmore (9 + 5 min)
4. WavelinQ created arteriovenous fistulas
   Robert Jones (9 + 5 min)
5. The Oxford HeRO (Hemodialysis Reliable Outflow) graft experience
   Nainika Menon (submitted abstract) (7 + 2 min)
6. DeVA (Drug eluting balloon venoplasty in Av fistual stenosis) trial: preliminary results
   Robert Jones (submitted abstract) (7 + 2 min)
7. Comparison between HeRO grafts and THL with SVC stent for patients with central venous stenosis
   Prashanth Chowdary (submitted abstract) (7 + 2 min)

17:30–19:00 Break
19:00–20:30  Video session
(Video session)
Chair: William C. Jennings, David Shemesh, Surendra Shenoy

1. Extra-anatomic endovascular bypass for central vein occlusion
   Adam Farkash (12 + 3 min)
2. Brachial and Basilic Elevation Transpositions
   William C. Jennings (12 + 3 min)
3. Surgical proximal radial artery fistula creation
   Alexandros Mallios (12 + 3 min)
4. Medial claviculectomy for the treatment of recalcitrant central venous stenosis of hemodialysis patients
   Eric K Peden (12 + 3 min)
5. Technique of radio cephalic fistula creation using totally calcific radial artery
   Surendra Shenoy (12 + 3 min)
6. Brachial vein transposition fistula creation
   David Shemesh (12 + 3 min)

20:30–20:45  Break

20:45–22:15  Central vein occlusive disease
(Fundamental course 3)
Chair: Anthony Verstanding, David Shemesh

1. Etiology and prevention of central vein occlusive disease
   Claude Renaud (12 + 2 min)
2. Surgical management of central vein occlusive disease
   Eric K Peden (12 + 2 min)
3. Unusual aspects of central vein occlusive disease
   Anthony Verstanding (12 + 2 min)
4. Endovascular Techniques for Thoracic Central Vein complete occlusion
   Anil Agarwal (12 + 2 min)
5. Endovascular Extraanatomic Bypass in of central vein occlusive disease
   Adam Farkash (12 + 2 min)
6. Role of central venogram in planning of av-fistula in suspected central venous stenosis
   Deepesh Benjamin Kenwar (submitted abstract) (7 + 2 minutes)
7. Development and Validation of a Machine Learning algorithm informing referral to Intensified AV-Fistula Monitoring
   Luca Neri (submitted abstract) (7 + 2 minutes)
FRIDAY, APRIL 9

16:00–16:30 VAS honorary award and lecture

Introduction
Jose Ibeas

VAS Honorary lecture
Multidisciplinary care is the core principle and the strength of the Vascular Access Society: a personal recollection
Maurizio Gallieni

Virtual Hall A

16:30–18:00 Outcomes and Quality Indicators in vascular access
(Scientific session 3)
Chair: José Ibeas

Introduction by chair
(3 min)
1. VASA
Prabir Chaudhury (10 min)
2. China Chapter
Lihua Wang (10 min)
3. VAS
Nick Inston (10 min)
4. Japan
Masato Tsuboi (10 min)
5. Surgical
James Gilbert (10 min)
6. Interventional
Christian Hohl (10 min)
7. QoL
Charmaine Lok (10 min)
Discussion
(17 min)

18:00–18:30 Break

18:30–19:15 Industry sponsored symposium 4

19:15–19:30 Break
19:30–21:00  Central venous catheters for hemodialysis access
(Scientific session 4)
   Chair: Maurizio Galleni
   1. Prevention of infection of CVC
      Anil Agarwal (12 + 3 min)
   2. Management of infection of CVC
      Charmaine Lok (12 + 3 min)
   3. Prevention of malfunction of CVC
      Rauri Clark (12 + 3 min)
   4. Treatment of malfunction
      Gürkan Sengölge (12 + 3 min)
   5. Clinical results of different CVC
      Joris Rotmans (12 + 3 min)
   6. Reduced CVC-related infection rate during the COVID-19 pandemic
      Gianmarco Sabiu (submitted abstract) (4 + 3 min)

21:00–21:15  Break

21:15–22:45  Maturation – Expert case discussion
(Expert case discussion 2)
   Chair: Jan Tordoir, Tamara Jemcov
   1. Mechanism of AVF maturation extra-anatomic
      Jernej Pajek (10 + 2 min)
   2. Why don’t fistulas mature?
      Joris Rotmans (10 + 2 min)
   3. Failure to mature – the viewpoint of surgeon and his ability to prevent it
      Branko Fila (10 + 2 min)
   4. Failure to mature – interventional procedures in its correction
      Matteo Tozzi (10 + 2 min)
   5. Maturation vs. functionality vs adequacy. Whether these are different terms for the same meaning?
      Tamara Jemcov (10 + 2 min)
   6. Can we (doctor and patient) somehow influence on maturation?
      Ignes Aragoncillo (10 + 2 min)
   7. Interventions for maturation in newly created av-fistulas in the Shunt Simulation Study cohort
      Letty van Vliet (submitted abstract) (7 + 2 min)
   8. AV fistula maturation delay – PTA knows the way
      Rui Filipe Nogueira (submitted abstract) (7 + 2 min)
FRIDAY, APRIL 9

Virtual Hall B

16:30–18:00 Nursing Session 1
(Focus session 4)
Chair: Kathleen Rickert, Sabine Nipshagen

1. CVC – Literature Update, Care Recommendations and Indications
   Maria Teresa Parisotto (12 + 3 min)
2. Metal vs. Plastic Cannula – Indication and Application
   Sabine Nipshagen (12 + 3 min)
3. Endovascular vs. Surgical Fistula – What is the difference in handling
   Kathleen Rickert (12 + 3 min)
4. Nursing role in the vascular access team through Doppler ultrasound
   Carolina Rubiella (12 + 3 min)
5. Which cannulation technique causes the least complications? A national
   survey on Swedish Renal Registry
   Karin Staaf (submitted abstract) (8 + 2 min)
6. Efficacy of Dialysis in palindrome venous catheter in regular vs. Reversed lines
   Nuria Sánchez (submitted abstract) (8 + 2 min)
7. A predictive model for measurement of recirculation in hemodialysis monitors
   without specific Biosensors
   Sebastian Ponce Fernandez (submitted abstract) (8 + 2 min)

18:00–19:30 Break
19:30–21:00  ‘Round the Campfire with VASBI’ – Which Access do we think is best!  
(Controversy session 2)  
**Chair: James Gilbert**

James Gilbert – VASBI president  
Chair Rob Jones – Interventional Radiologist  
Kate Steiner – Interventional Radiologist  
Paul Gibbs – Surgeon  
Jennifer Hanko – Nephrologist  
Sarah Lawman – Nephrologist

**Welcome and Intro**  
James Gilbert (Pre-recorded)

**Part 1 – Lines are definitely best!**  
- Nephrology View  
  Jennifer Hanko  
- Interventional Radiology View  
  Rob Jones  
- Surgical View  
  James Gilbert  
- Discussion

**Part 2 – No Fistulas are way better!**  
- Nephrology View  
  Sarah Lawman  
- Interventional Radiology View  
  Kate Steiner  
- Surgical View  
  Paul Gibbs  
- Discussion

**Part 3 – Surely Grafts are best?**  
- Nephrology View  
  Jennifer Hanko  
- Interventional Radiology View  
  Kate Steiner  
- Surgical View  
  James Gilbert  
- Discussion

**Making sense of these views**  
Entire Panel  

Panel and Audience Q & A

**Vascular Access University Challenge**  
Quiz show host – Rob

*Each viewpoint to be 5 mins max to enable 5 min round table discussion  
10–15 min Q&A to make sense of it all  
15 min for the quiz*
21:15–22:45 Nursing Session 2
(Focus session 5)
Chair: Ruben Iglesias, Maria Teresa Parisotto

1. A survey on haemodialysis nurses’ experiences and opinions regarding venous needle dislodgement incident reporting
   Tai Mooi Ho Wong (12 + 2 min)
2. Ultrasound guided cannulation – That is possible!
   Monica Schoch (12 + 2 min)
3. Care Protocol of a fistula – Our responsibility of a better outcome
   Monika Wagner (12 + 2 min)
4. Buttonhole Technique – State of the art
   Laura Labriola (12 + 2 min)
5. Coordination of VA on dialysis centers, monitoring and vigilance concepts and how we see the future on managing VA in dialysis centers
   Telmo De Carvalho (12 + 2 min)
6. Can we use frailty scoring to improve decision making in vascular access?
   Kulli Kuningas (submitted abstract) (8 + 2 min)
7. Implementing an access multidisciplinary team meetings to improve vascular access service single center experience from the UK
   Heidi Jimenez (submitted abstract) (8 + 2 min)

22:45–23:00 Closing ceremony
INDUSTRY SPONSORED SYMPOSIA

All times are in Central European Summer Time – CEST (UTC + 2)

WEDNESDAY, APRIL 7

18:15–19:00 Industry sponsored symposium 1
Medtronic
Opening remarks
Tobias Steinke, MD
Strategies for Optimal Fistula Maintenance: vessel preparation and drug coated therapy as key factors

THURSDAY, APRIL 8

15:15–16:00 Industry sponsored symposium 2
Laminate Medical
Introduction by the moderator
Dr. Nikolaos Karydis, Israel
A New Standard of Care?
Creating Arteriovenous Fistulas Using VasQ™ Extneral Support

18:00–18:45 Industry sponsored symposium 3
Gore & Associates
Introduction by the moderator
I. Hernández-Lahoz, Vigo, Spain
Dialysis tomorrow: the individual patient approach

FRIDAY, APRIL 9

18:30–19:15 Industry sponsored symposium 4
Medtronic
Opening remarks
José Ibeas, MD
Interdisciplinary Team Approach to Hemodialysis Access: Percutaneous Fistula Creation
PARTNERS

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A New Standard of Care?
Creating Arteriovenous Fistulas Using VasQ™ External Support

Virtual Symposium

Moderator:
Dr. Nikolaos Karydis

Panelists:
Dr. Alexandros Mallios, Dr. Robert Shahverdyan, and Dr. Paola Tabbi

15:15 – 16:00 on Thursday, April 8
Industry Sponsored Symposium 2

Discuss with experts how VasQ promotes fistula maturation and the use of the device as a new standard of care for access creation

Content:
• Presentation on hemodynamics at the arteriovenous anastomosis using MRI-based computational modeling
• Prerecorded video of VasQ™ External Support implantation
• Presentation of evidence on VasQ™ External Support
• Panel discussion of tips and tricks with audience participation
624 hours of hemodialysis yearly

312 needle sticks¹

1 durable AV access graft²,³,⁴

Flixene AV access graft: Premium performance for dialysis access