

9th CONGRESS OF VASCULAR ACCESS SOCIETY

April 15-18, 2015, Barcelona

www.vas2015.org

**PRELIMINARY
SCIENTIFIC PROGRAM**

CHAIRMAN: Ramon Roca-Tey MD, PhD (VAS Council member)

CO-CHAIRMAN: Jose Ibeas MD, PhD (VAS Council member)

WEDNESDAY APRIL 15th

PRE-CONGRESS HANDS-ON WORKSHOP

The hands-on workshop is intended to those with no or limited experience or those wishing to refresh or improve their knowledge. It gives an opportunity to get familiarity with the most commonly used techniques and devices for 4 topics: hemodialysis catheter placement, arteriovenous fistula surveillance, endovascular procedures and vascular access surgery. Participants will learn how to use the appropriate devices. In addition there will be the opportunity to bring their knowledge up to date, improve their skills and gain insightful advice from expert users.

Learning objectives:

- To understand the principles of the procedures
- To achieve a standardized technique in a step-by step fashion
- To become familiar with devices and their handling
- To discuss with experts technical problems
- To learn technical tips and tricks
- To understand how to avoid or minimize the most commonly encountered complications

Maximum number attendees: 80

Faculty: Recognized experts. Interventional nephrologists, vascular surgeons, Interventional Radiologists.

Coordinator: **Dr. Vallespin, Joaquim. Spain,**

Program:

- **Theoretical Concepts:**
 - o 30 minutes learning class of each topic
 - o Theoretical introduction of concepts applied of each topic. Description of the technical aspects of different procedures, indication and techniques.
- **Hands-On sessions**
 - o Principles to practice: education and simulation skills training
 - o Participants rotating between 4 areas
 - o 90 minutes for each topic
 - o Small groups teaching allowing close interaction with faculty
 - o Participants will learn how to use currently available devices for different procedures. Experienced tutors will discuss technical tips and tricks.
 - o With Simulation Models, the attendee will learn:
 - How to perform the procedures
 - Manage procedural complications
 - Tips and tricks

Topics:

1. Fistula Evaluation by Ultrasound Examination

Review of the theory of the physical principles of ultrasound applied to different hemodynamic models of vascular access. Theoretical and practical sessions on ultrasound mapping and diagnosis of vascular access pathology. Hands-on practice with patients for mapping and realize a vascular access indication on one hand and with normal vascular access and with different types of pathology for diagnosis of stenosis, thrombosis, aneurysms, deep veins, etc. on the other.

Faculty:

Malovrh, Marko. Slovenia

Shemesh, David. Israel

Van Holland, Simon. Belgium

Ibeas, Jose. Spain

2. Endovascular Vascular Access Procedures

Review of the principles of endovascular procedures applied to different treatments of vascular access pathology. Hands-on practice for realize vascular treatment of different pathologies with simulation models.

Will be used simulation models for treatment of endovascular stenosis with transluminal angioplasty/stenting procedure, thrombosis with thrombectomy; collaterals with coils deployment, etc.

Faculty:

Asif, Arif. USA

Criado, Eva. Spain

Pirozzi, Nicola. Italy

Wasse, Haimanot. USA

3. Vascular Access Surgery

Review of the principles of surgical procedures applied to arteriovenous fistula creation, both native and prosthetic. Hands-on practice for practice suturing artery and vein to create an anastomosis using various technique options. Vascular access reconstruction in different pathological conditions. Will be used from suture box setting to vascular dialysis access arm simulator.

Faculty:

Chemla, Eric. UK

Giménez, Antoni. Spain

Mickley, Volker. Germany

Shenoy, Surendra. USA

4. Hemodialysis Catheter

Study of cervical and femoral human anatomy in patients. Ultrasound-guided puncture for central line placement on simulation models (human torso, phantom, catheter placement box setting and biological models such as turkey). Review of techniques and approaches. Temporary and tunneled catheter placement, from puncture to the tunnel creation.

Faculty:

Gallieni, Maurizio. Italy

Urbanes, Aris. USA

Vesely, Tom. USA

Wijmer, Marcel. Netherlands.

THURSDAY APRIL 16th

08:00-09:00 **CASE REPORT SESSION**

MODERATORS:

- 1. López, Cristina. Spain**
- 2. García-Revilla, José. Spain**

SPEAKERS:

- | | |
|---------|------------------|
| Case 1. | To be determined |
| Case 2. | To be determined |
| Case 3. | To be determined |
| Case 4. | To be determined |

09:00-9:30 **OPENING CEREMONY**

09:30-10:00 MAIN LECTURE: **ARTERIOVENOUS FISTULA MATURATION**

SPEAKER: Roy-Chaudhury, Prabir.

Dialysis Vascular Access Research Group, Division of Nephrology, University of Cincinnati, Cincinnati, Ohio, USA.

PRESENTED BY: Lee, Timmy. Department of Medicine and Division of Nephrology, University of Alabama at Birmingham, Birmingham, Alabama, USA.

10:00-10:30 COFFEE - BREAK AND POSTER SESSION

10:30-12:15 PARALLEL SESSION 1: **FROM EPIDEMIOLOGY TO ECONOMICS (I)**

MODERATORS:

- 1. Vachharajani, Tushar. USA**
- 2. Zemchenkov, Alexander. Russia**

SPEAKERS:

1. **Roca-Tey, Ramon. Spain.** Vascular access used to start dialysis in Catalonia.
2. **Vivekanand, Jha. India.** South-Asian perspective.
3. **Dkhissi, Hocein. Morocco.** Data from North-West and Central Africa.
4. **Jadoul, Michel. Belgium.** DOPPS report.
5. **Mascheroni, Claudio. Argentina.** Data from the Spanish-speaking countries of South America.
6. **Lok, Charmaine. Canada.** Catheter bad, fistula not-so-good?: the economic point of view

10:30-12:15 PARALLEL SESSION 2: **NURSING CARE STANDPOINT:
NEEDLING TECHNIQUES**

MODERATORS:

- 1) **Goovaerts, Tony. Belgium.**
- 2) **Besarab, Anatole. USA.**

SPEAKERS:

- 1) Pending speaker. **Self-cannulation: who, when and where.**
- 2) **Martcorena, Rosa. Canada.** The science of fistula cannulation.
- 3) **Van Loon, Magda. Netherlands.** Factors determining successful cannulation.
- 4) **Martí, Anna. Spain.** Do we follow the Guidelines recommendations?
- 5) **Parisotto, María Teresa. Germany.** Effect of cannulation technique on arteriovenous access survival.

10:30-11:30 PARALLEL SESSION 3-a: **VASCULAR ACCESS CREATION:
FROM BASICS TO COMPLEX (I)**

MODERATORS:

- 1) **Hedin, Ulf. Sweden.**
- 2) **Vallespin, Joaquim. Spain.**

SPEAKERS:

- 1) **Bourquelot, Pierre. France.** Surgical strategies to enhance fistula needling.
- 2) **Baktiroglu, Selcuk. Turkey.** Brachial artery-based arteriovenous access.
- 3) **Lazarides, Miltos. Grece.** Lower-extremity arteriovenous access.

11:30-12:15 PARALLEL SESSION 3-b: **LATE BREAKING CLINICAL TRIALS**

MODERATORS:

1. **Remuzzi, Andrea. Italy.**
2. **Rotmans Joris. Netherlands**

SPEAKERS:

1. To be determined
2. To be determined
3. To be determined

12:15-13:30. ROUND TABLE. **VASCULAR ACCESS IN THE PREDIALYSIS STAGE**

MODERATORS:

- 1) **Lee Timmy. USA**
- 2) **Basile, Carlo. Italy.**

SPEAKERS:

- 1) Speaker pending. Predictive variables of AVF maturation.
- 2) **Urbanes, Aris. USA.** Type and timing to arteriovenous access placement in the incident patient.
- 3) **Lomonte Carlo. Italy.** . Preoperative assessment and access strategies.
- 4) **Hohl, Christian. Denmark.** Endovascular treatment of nonmature AVF.

- 5) **Allon, Michael. USA. Strategies to initiate chronic hemodialysis without catheter.**

13:30-15:00 THREE LUNCH SESSIONS.

15:00-16:00. INTERACTIVE REAL-TIME POLLING OF THE AUDIENCE: **THE ELECTIVE TREATMENT OF FIRST CHOICE IN THE JUXTANASTOMOTIC ARTERIOVENOUS FISTULA STENOSIS: ANGIOPLASTY versus SURGERY.**

MODERATOR: Yevzlin, Alexander. USA

SPEAKERS:

- 1) **Pro (angioplasty):** Speaker pending
- 2) **Con (surgery): Lazarides, Miltos. Grece.**

16:00-16:30. COFFEE - BREAK AND POSTER SESSION

16:30-18:30 PARALLEL SESSION 1: **VASCULAR ACCESS INFECTION**

MODERATORS:

1. **Jadoul Michel, Belgium**
2. **Mokrzycki Michele, USA**

SPEAKERS:

1. Pending speaker: Native fistula infection: etiology, diagnosis and treatment.
2. **del Pozo, José Luis. Spain. Management of biofilm-associated infections.**
3. **Kingsmore, David, UK. Graft infection: an UpDate.**
4. **Lok, Charmaine, Canada. Catheter-related bacteremia: clinical and economic implications.**

16:30-18:30. PARALLEL SESSION 2: **TREATMENT OF ARTERIOVENOUS ACCESS COMPLICATIONS (I): ENDOVASCULAR STRATEGIES.**

MODERATORS:

1. Turmel-Rodrigues Luc. France

2. Pirozzi Nicola. Italy

SPEAKERS:

1. Pending: Endovascular approach to the patient with difficult vascular access.
2. Pending: Stent vs Balloon Angioplasty for failing grafts: current evidence
3. **Abadal, José María. Spain. Ultrasound guided endovascular therapy for vascular access dysfunction.**
4. Pending: Drug eluting balloons for stenosis

16:30-18:30. PARALLEL SESSION 3. **HEMODYNAMICS: FROM ARTERIOVENOUS ACCESS TO HEART**

MODERATORS:

- 1) **Krivitski, Nikolai. USA**
- 2) **Ravani, Pietro. Canada**

SPEAKERS:

1. **MacRae Jeniffer. Canada. Mecanisms of arteriovenous access-associated with high-output cardiac failure.**
2. Pending speaker. Predictive factors for high-output heart failure.
3. Pending speaker. Myocardial function and arteriovenous access.
4. **Basile, Carlo. Italy. Pending title.**

FRIDAY APRIL 17th

08:00-09:30 PARALLEL SESSION 1: **REVIEWING THE EVIDENCE: LAST CLINICAL PRACTICE GUIDELINES**

MODERATORS:

- 1) **Gallieni, Maurizio. Italy.**
- 2) **Allon Michael. USA.**

SPEAKERS:

- 1) **Ibeas, Jose. Spain.** The new Spanish Clinical Guidelines
- 2) **Kukita, Kazutaka. Japan.** Clinical practice guidelines for vascular access in Japan.
- 3) **Pending speaker. UK.** Clinical practice guidelines from the UK Renal Association.
- 4) **Forneris Giacomo. Italy.** Recommendations from Italy
- 5) **Tordoir, Jan. Netherlands.** European Best Practice Guidelines (EBPG).
- 6) **Besarab, Anatole. USA.** K-DOQI Guidelines: what does it needs to update?

08:00-09:30. PARALLEL SESSION 2. **VASCULAR ACCESS CREATION: FROM BASICS TO COMPLEX (II)**

MODERATORS:

- 1) **Widmer, Matthias. Switzeland.**
- 2) **Fernández, Fidel. Spain.**

SPEAKERS:

- 1) **Shenoy, Surendra. USA.** Innovative surgical approaches.
- 2) **Hedin, Ulf. Sweden.** Synthetic arteriovenous access: long-term outcomes.
- 3) **Kingsmore, David. UK.** Can be early cannulation grafts a cost-saving alternative to tunneled catheters?
- 4) **Shemesh, David. Israel.** Vascular access creation in elderly patients.
- 5) **Rajan, Dheeraj. Canada.** Endovascular fistula construction.

08:00-09:30. PARALLEL SESSION 3: **VASCULAR ACCESS AND QUALITY OF LIFE**

MODERATORS:

- 1) **Parisotto, María Teresa. Germany.**

2) To be determined

SPEAKERS:

- 1) **Costa, Elísio. Portugal.** Type of vascular access and location in online hemodiafiltration and its association with patient's quality of life.
- 2) **Afsar, Baris. Turkey.** Vascular access type, health-related quality of life and depression.
- 3) **Wasse, Hamainot. USA.** Association of Initial Hemodialysis Vascular Access with Quality of Life and physical activity.

09:30-10:00 MAIN LECTURE: **COMPLEX SURGERY IN PATIENTS WITH MULTIPLE FAILED ACCESS.**

SPEAKER: **Chemla, Eric.**

Consultant Vascular Surgeon- Divisional Chair for Medicine and Cardiovascular at St George's Healthcare NHS Trust, London, United Kingdom.

PRESENTED BY: **Giménez, Antoni.** Chief of Vascular Surgery, Corporació Sanitària Parc Taulí. Sabadell, Spain. President of the Catalan Society of Angiology and Vascular and Endovascular Surgery.

10:00-10:30 COFFEE -BREAK AND POSTER SESSION

10:30-12:00. PARALLEL SESSION 1. **VASCULAR ACCESS SURVEILLANCE FOR STENOSIS. SIGNIFICANT OR NOT SIGNIFICANT: THIS IS THE QUESTION?**

MODERATORS:

1) Roca-Tey, Ramon. Spain

2) Ibeas, Jose. Spain.

SPEAKERS:

1. **Roca-Tey, Ramon. Spain.** Vascular access surveillance for stenosis by blood flow rate measurements
2. **Tessitore, Nicola. Italy.** Screening for stenosis in arteriovenous graft.

3. **Krivitski, Nikolai. USA.** Analysis of flow surveillance clinical trials.
4. **Malik, Jan. Czech Republic.** Significant stenosis: is there a new concept?
5. **Besarab, Anatole, USA.** What must we do in practice?

10:30-11:30 PARALLEL SESSION 2-a: **MANAGEMENT OF VASCULAR ACCESS-RELATED ANEURYSMS.**

MODERATORS:

- 1) **Baktiroglu, Selcuk, Turkey.**
- 2) **Moñux, Guillermo, Spain.**

SPEAKERS:

1. **Giménez, Antoni. Spain.** Approach to pseudoaneurysms
2. **Shemesh, David. Israel.** Stent graft treatment for access-related aneurysms
3. **Mickley, Volker. Germany.** Autologous surgical reconstruction for true vascular aneurysms

11:30-12:30 PARALLEL SESSION 2-b: **CEPHALIC ARCH STENOSIS: UPDATE**

MODERATORS:

- 1) **Davidson, Ingemar, USA.**
- 2) **Pending**

SPEAKERS:

1. **Asif, Arif. USA.** Prevalence, etiology and physiopathology
2. **Mickley, Volker. Germany.** Surgical approach
3. **Rajan, Dheeraj. Canada.** Endovascular approach

10:30-12:00. PARALLEL SESSION 3: **HEMODIALYSIS CENTRAL VEIN CATHETER (I): DYSFUNCTION.**

MODERATORS:

- 1) **Ravani, Pietro. Canada**

2) Lomonte Carlo. Italy

SPEAKERS:

- 1) **Gallieni, Maurizio. Italy.** Clinical implications of catheter design.
- 2) **Mokrzycki, Michele. USA.** Strategies to optimize catheter function
- 3) **Vesely, Tom. USA.** Role of the catheter tip position
- 4) **Weijmer, Marcel. Netherlands.** Prevention of catheter dysfunction: an UpDate
- 5) **Tesio, Franco. Italy.** Tesio catheter: accumulated experience

12:00-13:30. ROUND TABLE. **TRANSLATIONAL RESEARCH**

MODERATORS:

- 1) **Shenoy, Surendra. USA**
- 2) **Tordoir, Jan. Netherlands**

SPEAKERS

1. **Rotmans, Joris. Netherlands:** In vivo engineered vascular access grafts.
2. **Lee, Timmy. USA.** Natural history of venous morphologic changes in access stenosis.
3. **Roy-Chaudhury, Prabir. USA.** New techniques for determining the effects of local hemodynamics on the intima-media thickness in an animal model
4. **Remuzzi, Andrea. Italy.** Computational model for surgical planning of vascular access.
5. **Inston, Nick. UK.** The ReDVA project.

13:30-15:00. THREE LUNCH SESSIONS.

15:00-16:00. INTERACTIVE REAL-TIME POLLING OF THE AUDIENCE: **THE VASCULAR ACCESS OF FIRST CHOICE IN THE INCIDENT ELDERLY PATIENT (> 75 YEARS OLD): ARTERIOVENOUS ACCESS versus CENTRAL VENOUS CATHETER.**

MODERATOR: Lok, Charmaine. Canada.

SPEAKERS:

1) Pro (arteriovenous access): **Vachharajani, Tushar. USA**

2) Con (central vein catheter): **pending speaker**

16:00-16:30. COFFEE - BREAK AND POSTER SESSION

16:30-18:30 PARALLEL SESSION 1. **FROM EPIDEMIOLOGY TO ECONOMICS (II)**

MODERATORS

1) **Vivekanand, Jha. India**

2) **Pending**

SPEAKERS

1) **Alghonaim, Mohammed. Saudi Arabia.** Information from the Middle-East.

2) **Jiang, Aili. China.** Report from China

3) **Zamchenkov, Alexander. Russia.** Russian perspective.

4) Pending speaker. **Data from the ERA-EDTA Registry and economic approach.**

5) **ElSaid, Tamer. Egypt.** Study from North-East and South of Africa.

6) **Ferraz, Adilson. Brazil.** Epidemiology of vascular access in Brazil

16:30-18:30 PARALLEL SESSION 2. **ULTRASONOGRAPHY: UPDATE**

MODERATORS

1) **Ibeas, Jose. Spain**

2) **Van Holland, Simon. Belgium.**

SPEAKERS

1) Pending speaker. **Preoperative vascular ultrasound: improves arteriovenous fistula patency ?**

2) **Sato, Takashi. Japan,** A tool for vascular access surveillance.

3) **Criado, Eva. Spain.** Ultrasound and catheter placement.

4) **Malik, Jan. Czech Republic** Ultrasound criteria of stenosis at high risk for thrombosis.

5) **Ibeas, Jose. Spain.** Ultrasonography in vascular Access: new frontiers?

16:30-18:30 PARALLEL SESSION 3. **TREATMENT OF ARTERIOVENOUS ACCESS COMPLICATIONS (II): HAND ISCHEMIA SECONDARY TO FISTULA STEAL.**

MODERATORS

1) **Bourquelot, Pierre. France**

2) **Mestres, Gaspar. Spain.**

SPEAKERS

1) Pending. Prevalence, etiology, diagnosis and prevention.

2) **Moreno, Teresa. Spain.** The radiologist point of view.

3) **Vallespín, Joaquim, Spain.** When to intervene.

4) **Sessa, Carmine. France.** Surgical strategies.

SATURDAY APRIL 18th

08:00-09:30 PARALLEL SESSION 1. **THE MULTIDISCIPLINARY TEAM: DIFFERENT POINTS OF VIEW**

MODERATORS

1) **Marti, Anna. Spain**

2) **Yevzlin, Alexander. USA**

SPEAKERS

1) **Pegoraro, Marisa. Italy.** Nurses

2) **Allon, Michael. USA.** Nephrologists.

3) **Tordoir, Jan. Netherlands.** Surgeons

4) **Pending speaker.** Radiologists

08:00-09:30 PARALLEL SESSION 2. **NEW DEVELOPMENTS ON VASCULAR ACCESS**

MODERATORS:

- 1) **Roy-Chaudhury, Prabir. USA**
- 2) **Chmela, Eric. UK**

SPEAKERS:

1. **Yevzlin, Alexander. USA.** Endovascular stents for dialysis access: current evidence
2. **Davidson, Ingemar. USA.** Expanded Treatment Options with Heparin Bonded ePTFE Vascular Grafts.
3. **Vesely, Tom. USA.** The REVISE Clinical Study protocol
4. **Chih-Ching, Lin. Taiwan.** Effect of Far Infrared Therapy on arteriovenous fistula: UpDate
5. **Hedin, Ulf. Sweden.** Early graft cannulation. How to get rid off the line. .

08:00-09:30 PARALLEL SESSION 3. **BUTTONHOLE NEEDLING**

MODERATORS:

- 1) **Labriola, Laura. Belgium.**
- 2) **Martcorena, Rosa. Canada**

SPEAKERS:

- 1) **Goovaerts, Tony. Belgium.** Pros and Cons
- 2) **Macrae Jeniffer. Canada.** Buttonhole versus rope ladder needling: results from a randomized trial.
- 3) **Pending speaker.** Role of buttonhole needling in a busy Unit.
- 4) **van Loon, Magda. Netherlands.** Complications.

09:30-10:00 MAIN LECTURE. **ENDOASCULAR TREATMENT OF VASCULAR ACCESS STENOSIS**

SPEAKER:

Luc Turmel-Rodrigues

Departments of Cardiovascular Radiology, Clinique St-Gatien, Tours, Clinique St-Hilaire, Rouen, Hôpital Européen Georges Pompidou, Paris, France

PRESENTED BY: pending

10:00-10:30 COFFEE - BREAK AND POSTER SESSION

10:30-12:00 PARALLEL SESSION 1. **HEMODIALYSIS CENTRAL VEIN CATHETER (II): INFECTION**

MODERATORS:

- 1) **Ramírez de Arellano, Spain.**
- 2) **Mokrzycki, Michele. USA**

SPEAKERS:

- 1) **Schilcher, Gernot. Austria.** Lock solutions: pros and cons.
- 2) **Labriola, Laura. Belgium.** Antimicrobial lock solutions: meta-analysis of randomized trials.
- 3) Pending speaker. Prevention and management of catheter-related infection: a position statement from the European Best Practice Guideline (EBPG).
- 4) **Kawanishi, Hideki. Japan.** Mortality risk associated to central vein catheter in very old incident patients.

10:30-11:30 PARALLEL SESSION 2. **TREATMENT OF ARTERIOVENOUS ACCESS COMPLICATIONS (III): STENOSIS AND THROMBOSIS.**

MODERATORS:

- 1) **Hohl, Christian, Denmark**
- 2) **Jiménez-Almonacid, Pedro. Spain.**

SPEAKERS:

1. **Ohira Seiji, Japan.** Surgical or interventional repair,
2. **García José. Spain.** Endovascular preservation of arteriovenous access
3. Pending. Endovascular treatment of thrombosed fistula
4. **Widmer, Matthias. Switzerland.** Surgical approach of thrombosis

08:00-09:30 PARALLEL SESSION 3. **VASCULAR ACCESS MONITORING FOR STENOSIS: FIRST GENERATION METHODS**

MODERATORS:

- 1) **Asif, Arif. USA**

2) Gruss, Enrique. Spain.

SPEAKERS:

- 1) Speaker pending. **Clinical monitoring**
- 2) **Fontseré, Néstor. Spain. Dialysis adequacy.**
- 3) **Bonforte, Giuseppe. Italy. Qb stress test**

12:00-13:00 INTERACTIVE REAL-TIME POLLING OF THE AUDIENCE:
**MORTALITY ASSOCIATED WITH THE CENTRAL VENOUS CATHETER IN
INCIDENT HEMODIALYSIS PATIENTS: REALITY versus BIAS**

MODERATOR: Pending

SPEAKERS:

- 1) Pro (reality): pending
- 2) Con (bias): **Ravani, Pietro. Canada**

13:00-13:30 **AWARDS AND CLOSING CEREMONY**