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 for 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.
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-Revillo, 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.


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) **Marticorena, 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, Maria 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. Greece. 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 JUXSTANASTOMOTIC ARTERIOVENOUS FISTULA STENOSIS: ANGIOPLASTY versus SURGERY.

MODERATOR: Yevzlin, Alexander. USA

SPEAKERS:

1) Pro (angioplasty): Speaker pending


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:


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:

3. Pending speaker. Myocardial function and arteriovenous access.

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


3) Pending speaker. UK. Clinical practice guidelines from the UK Renal Association.

4) Forneris Giacomo. Italy. Recomendations from Italy


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.


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.


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.


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.


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:


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**


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.


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.

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**


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
   3. Vesely, Tom. USA. The REVISE Clinical Study protocol
   4. Chih-Ching, Lin. Taiwan. Effect of Far Infrared Therapy on arteriovenous fistula: UpDate

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

MODERATORS:
   1) Labriola, Laura. Belgium.
   2) Marticorena, Rosa. Canada

SPEAKERS:
   1) Goovaerts, Tony. Belgium. Pros and Cons
   3) Pending speaker. Role of buttonhole needling in a busy Unit.

09:30-10:00 MAIN LECTURE. ENDOVASCULAR 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.

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

MODERATORS:
1) Hohl, Christian, Denmark

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
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