



BARCELONA  
2015

# 9th CONGRESS OF VASCULAR ACCESS SOCIETY

April 15-18, 2015 · BARCELONA



[www.vas2015.org](http://www.vas2015.org)



CONGRESS PROGRAM

# ENDORSED BY



# ACCREDITATION



for European accreditation for:

15 European CME credits (ECMEC)  
by the European Accreditation Council  
for Continuing Medical Education (EACCME).





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## COMMITTEES

### CHAIRMEN

**Ramon Roca-Tey,**  
Hospital de Mollet,  
Mollet del Vallès, Barcelona

**Jose Ibeas**  
Parc Taulí Sabadell,  
Hospital Universitari. Barcelona

### VASCULAR ACCESS SOCIETY

#### Board members

Maurizio Gallieni (current President)  
Matthias Widmer  
Volker Mickley  
Jan Malik  
Christian Hohl  
Selcuk Baktiroglu

#### Council members

Ulf Hedin  
Jose Garcia-Medina  
Jan Malik  
Patrick Haage  
Carmine Sessa  
Ramon Roca Tey  
Jose Ibeas  
David Shemesh

#### Former Presidents

Pierre Bourquelot  
Salvatore di Giulio  
Jan Tordoir  
Marko Malovrh

### LOCAL ORGANIZING COMMITTEE

Jordi Viladoms	Nephrologist	Hospital de Mollet
Manuel García	Nephrologist	Hospital Parc Taulí
Román Martínez-Cercós	Vascular surgeon	Hospital de Mollet
Antonio Giménez	Vascular surgeon	Hospital Parc Taulí
Oscar Pastor	Vascular surgeon	Hospital de Mollet
Joaquin Vallespin	Vascular surgeon	Hospital Parc Taulí
Jordi Bartrina	Radiologist	Hospital de Mollet
Joan Falcó	Radiologist	Hospital Parc Taulí
Amelia Rivas	Radiologist	CETIR Centre mèdic
Jose Ramón Fortuño	Radiologist	Hospital Parc Taulí
Laura Román	Nurse	Hospital de Mollet
Carmen Moya	Nurse	Hospital Parc Taulí
Raúl Darbas	Nurse	Hospital de Mollet
Ruben Iglesias	Nurse	Hospital Parc Taulí

### SCIENTIFIC COMMITTEE

Allon, Michael; USA	Lee, Timmy; USA	Roca-Tey, Ramon; Spain
Asif, Arif; USA	Malik, Jan; Czech Republic	Roman, Laura; Spain
Baktiroglu, Selcuk; Turkey	Malovrh, Marko; Slovenia	Roy-Chaudhury, Prabir; USA
Chemla, Eric; UK	Marti, Anna; Spain	Shemesh, David; Israel
Del Pozo, Jose Luis; Spain	Mickley, Volker; Germany	Shenoy, Surendra; USA
Falcó, Joan; Spain	Mokrzycki, Michele; USA	Tordoir, Jan; Holland
Fortuño, Jose Ramón; Spain	Moñux, Guillermo; Spain	Vachharajani, Tushar; USA
Gallieni, Maruizio; Italy	Moreno, Teresa; Spain	Vallespin, Joaquim; Spain
Gimenez, Antonio; Spain	Moya, Carmen; Spain	Widmer, Matthias; Sweden
Hedin, Ulf; Sweden	Ohira, Seiji; Japan	Yevzlin, Alexander; USA
Hohl, Christian; Denmark	Parisotto, María Teresa; Germany	
Ibeas, Jose; Spain	Pegoraro, Marisa; Italy	
Inston, Nicholas; UK	Ramirez de Arellano, Manel; Spain	

### PARTICIPATING SPANISH SCIENTIFIC SOCIETIES

SEN	Spanish Society of Nephrology	Manel Ramírez de Arellano
SEDYT	Spanish Society of Dialysis and Transplantation	Andreu Foraster
SEACV	Spanish Society of Angiology and Vascular Surgery	Guillermo Moñux
SERAM-SERVEI	Spanish Society of Interventional Radiology	Teresa Moreno
SEDEN	Spanish Society of Nephrological Infirmary	Anna Martí
SEIMC-GEIH	Spanish Society of Infectious Diseases	José Luis del Pozo



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## HONOR COMMITTEE

**Honourable Mr. Boi Ruiz**

Minister of Health Department of Catalonia

**Dr. Jaume Durán**

General Director of the Foundation Sanitària Mollet

**Dr. Cristina Carod**

Executive Director of Parc Taulí Sabadell, Hospital Universitari

**Dr. Maurizio Gallieni**

President of the Vascular Access Society

**Dr. Jose Ibeas**

Co-Chairman of the 9th Congress of the Vascular Access Society

**Dr. Ramon Roca-Tey**

Chairman of the 9th Congress of the Vascular Access Society





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## CONGRESS ENDORSED BY

Societat Catalana de Nefrologia (SCN)

Societat Catalana d'Angiologia, Cirurgia Vascular i Endovascular (SCACVE)

Grupo Español Multidisciplinar del Acceso Vascular (GEMAV)

Sociedad Española de Nefrología (SEN)

Sociedad Española de Diálisis y Trasplante (SEDYT)

Sociedad Española de Angiología y Cirugía Vascular (SEACV)

Sociedad Española de Radiología Vascular e Intervencionista (SEVEI)

Sociedad Española de Radiología Médica (SERAM)

Sociedad Española de Enfermedades Infecciosas y Microbiología Clínica (SEIMC).

Opinions expressed by the authors do not necessarily reflect the official position of the SEIMC.

Sociedad Española de Enfermería Nefrológica (SEDEN)

European Renal Association-European Dialysis and Transplant Association (ERA-EDTA)

European Society of Vascular Surgery (ESVS)

International Society of Vascular Surgery (ISVS)

American Society of Diagnostic and Interventional Nephrology (ASDIN)

Vascular Access Society of the Americas (VASA)

International Society of Nephrology (ISN)



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## WELCOME ADDRESS



Dear Colleagues and Friends,

We would like to invite you to the 9th Congress of the Vascular Access Society which will take place on April 15-18 2015 in the cosmopolitan city of Barcelona, Catalonia, Spain.

The Vascular Access Society is a multidisciplinary Society where nephrologists, surgeons, interventional radiologists, dialysis nurses and vascular or radiological technologists are involved. The main objective of the Society is focused on scientific developments in vascular access for hemodialysis. Undoubtedly, the vascular access is the

lifeline for many patients with acute renal failure or end-stage renal disease because their only option to move forward is to have good access to the blood stream in order to perform hemodialysis.

Our aim is that all participants feel good in this Congress. We have tried to put together an attractive scientific program and we would like to achieve an active participation engaging all attendees during the meeting. We will try to make the congress interactive by using technology to help the audience exchange knowledge in a more agile way.

Therefore, we will organize, for example, real-time polling of the audience and Question-and-Answer Sessions to show the different points of view of the attendees. We are also planning hands-on workshops with simulation models and patients. A number of lunch-Symposium sponsored by the Industry is foreseen. We do not forget the important scientific contribution of free communications and posters.

And finally, Barcelona city... What can we say about the city of Barcelona ? Barcelona is a Mediterranean capital that is unquestionably attractive in many ways: for its culture, leisure and entertainment, shopping, gastronomy and an exceptional climate. Barcelona ranked fourth in the number of international tourists in 2012, representing an increase of 48.7% over 2005. It's the only city in the world with nine buildings which are UNESCO World Heritage sites. Barcelona is also the world's third most popular congress city, according to the International Congress & Convention Association (ICCA).

The congress will take place at the Palau Congressos Barcelona (FIRA Montjuic) which is very close to Palau of Montjuic and Plaça d'Espanya. The Congress venue is very well connected to the rest of the city by public transport and only a few minutes from the "heart" of Barcelona: "Plaça de Catalunya".

We want to make this Congress a true festival of vascular access. Something you will enjoy!

Welcome to Barcelona!

**Ramon Roca-Tey MD, PhD**

Chairman

VAS Council Member

**Jose Ibeas MD, PhD**

Co-Chairman

VAS Council Member



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### GOLD SPONSOR



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### OTHER SPONSORS





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## GENERAL INFORMATION

### REGISTRATION&ABSTRACT SUBMISSION

[www.vas2015.org](http://www.vas2015.org)

### CAR PARKING

Parking area available at the Congress Centre

### WIRELESS INTERNET ACCESS

A WiFi Internet access area will be available at the Congress.

### ACCOMMODATION DETAILS

Accommodation details, as well as further announcements, will be available on the web site.

### SMOKING

VAS 2015 is a non-smoking congress.

### ESTIMATED ATTENDANCE

About 1000 attendees from across the world

### TARGET AUDIENCE

Hemodialysis vascular access specialists, like nephrologists, surgeons, interventional radiologists, dialysis nurses, vascular and radiological technologists from countries worldwide.

### NAME BADGES

Participants and accompanying persons are obliged to wear the official Congress name badges at all times during the Congress.

### EXHIBITION

Access to the exhibition is free for registered participants. The exhibition will be open on 16 - 18 April, 2015 during congress hours.

### LUNCH AND REFRESHMENTS

Coffee, tea and refreshments will be available in the exhibition area during breaks. Lunches are not included in the participant's registration fee.

### CERTIFICATE OF ATTENDANCE

Participants will receive a certificate of attendance at the Congress.

### LIABILITY

By registering for the Congress and/or by participating in the trade exhibition organized during the Congress, participants and exhibitors agree that VAS, the Organizing Committee or the Congress Secretariat do not assume any responsibility for damage or injuries to persons or property during the Congress. Participants and exhibitors are advised to organize their own health, travel and personal insurances.

### LETTER OF INVITATION

Upon request, the Chairmen of the Organizing Committee will be pleased to send a personal letter of invitation so as to enable participants to obtain supporting funds or visas to attend the Congress. These invitation letters cannot be considered an offer of financial support by the organizers.

### CANCELLATION POLICY

For refund purposes the following deadlines will be applied:

Before 31.01.2015- Companies will receive 25% refund

After no refunds will be granted after 31.01.2015

Congress tax identification number V-66.326.497



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## REGISTRATION FEES

	BEFORE 01/12/2014	BEFORE 15/02/2015	AFTER 15/02/2015 AND ONSITE
<b>VAS Members and Physicians Members from Spanish Societies (SEN, SEDYT, SEACV, SERAM-SERVEI, SEIMC-GEIH)</b>	450€	525€	600€
<b>COMBO including with Workshop for VAS Members and Physicians Members from of Spanish Societies (SEN, SEDYT, SEACV, SERAM-SERVEI, SEIMC-GEIH)</b>	775€	850€	925€
<b>Non-VAS Member</b>	550€	625€	700€
<b>COMBO including with Workshop for Non-VAS Members</b>	900€	975€	1050€
<b>Nurses and Residents</b>	350€	425€	500€
<b>COMBO including with Workshop for Residents</b>	675€	750€	825€
<b>Members nurses of VAS and SEDEN</b>	300€	375€	450€

VAT included

## GALA DINNER

VAS 2015 GALA DINNER will be held on Friday April 17th at 20.45h at HOTEL JUAN CARLOS I, an outstanding gastronomy at one of the most beautiful gardens in Barcelona.

Bus depart from the Congress venue at 20.15h

Price: 90€ - Tickets available at the Secretariat

Limited attendance - Do not miss the opportunity to join us at the VAS 2015 Gala Dinner!



## MAIN CONTACT DETAILS

### TECHNICAL SECRETARIAT

General Information

Registration - Exhibition - Sponsorship

TORRES PARDO

Nàpols, 187 2º - 08013 Barcelona, Spain

Tel. +34 93 246 35 66

Fax. +34 93 231 79 72

[www.torrespardo.com](http://www.torrespardo.com)

**TORRES PARDO**  
Congress Management

### TRAVEL & ACCOMMODATION

Viajes El Corte Inglés

Departamento Congresos Científico-Médicos

C/ Alberto Bosch, 13 - 5º Planta

28014 Madrid

Tel. +34 913 300 755

Fax +34 914 203 952

[secretariaturistica@viajeseci.es](mailto:secretariaturistica@viajeseci.es)

**VIAJES**

*El Corte Inglés*



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## CONGRESS VENUE

### A CONGRESS VENUE

#### Palau de Congressos

Fira de Barcelona  
Avinguda Maria Cristina s/n  
Barcelona

### B AIRPORT (AEROPORT DEL PRAT)-----VENUE

CAR: 16km (20')

TAXI: 30€ approx (20')

TRAIN: 6€ approx  
Airport-----Estació de Sants 25'

Estació de Sants----- -----VENUE: 10'

AEROBUS: 6€ approx  
Airport-----Plaça Catalunya: 35'

PLAÇA CATALUNYA----- -----VENUE: 30'



### C HIGH SPEED TRAIN STATION (Sants Estació)

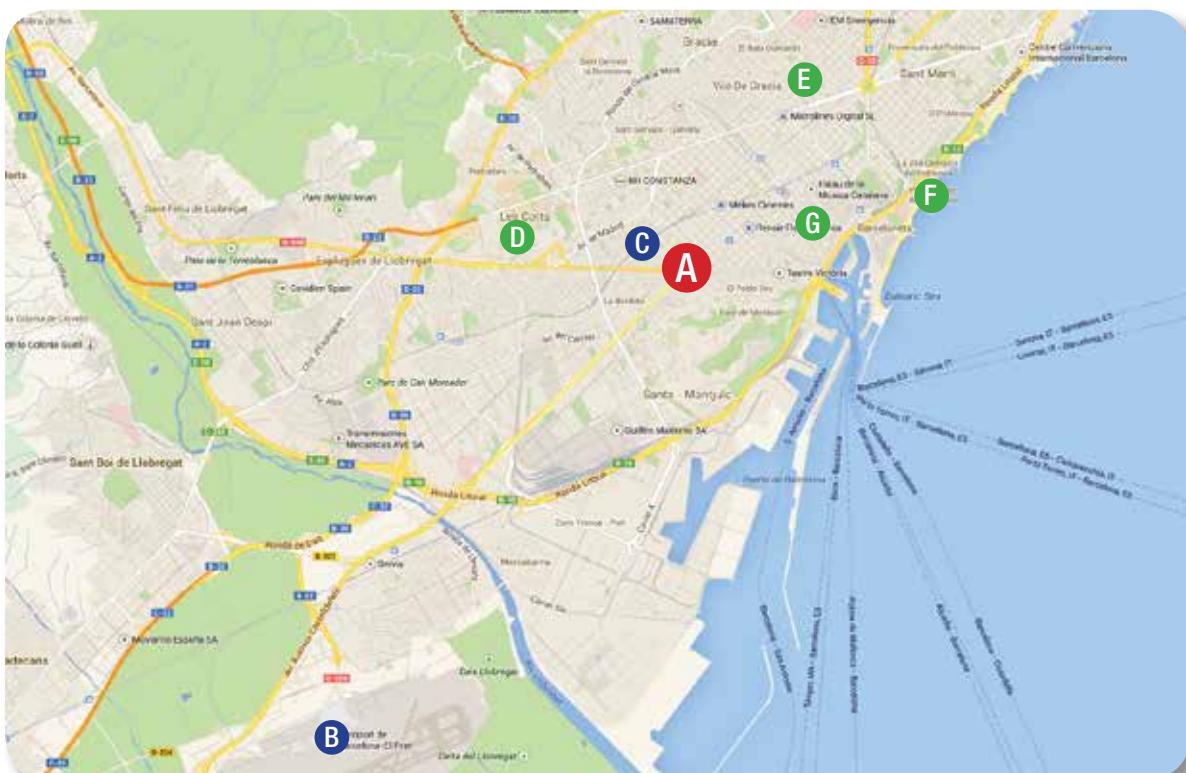
Sants Estació----- -----VENUE: 10'

### M UNDERGROUND L3 L1

Sants Estació-----Plaça Espanya 3'



### WALKING DISTANCE



CAMP NOU



SAGRADA FAMÍLIA



VILA OLÍMPICA



CIUTAT VELLA



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## CONGRESS VENUE

### A CONGRESS VENUE

Palau de Congressos

Fira de Barcelona  
Avinguda Maria Cristina s/n  
Barcelona



**C HIGH SPEED TRAIN STATION (Sants Estació)**



**M UNDERGROUND L3 L5 SANTS ESTACIÓ**

**M UNDERGROUND L3 L1 PLAÇA ESPANYA**





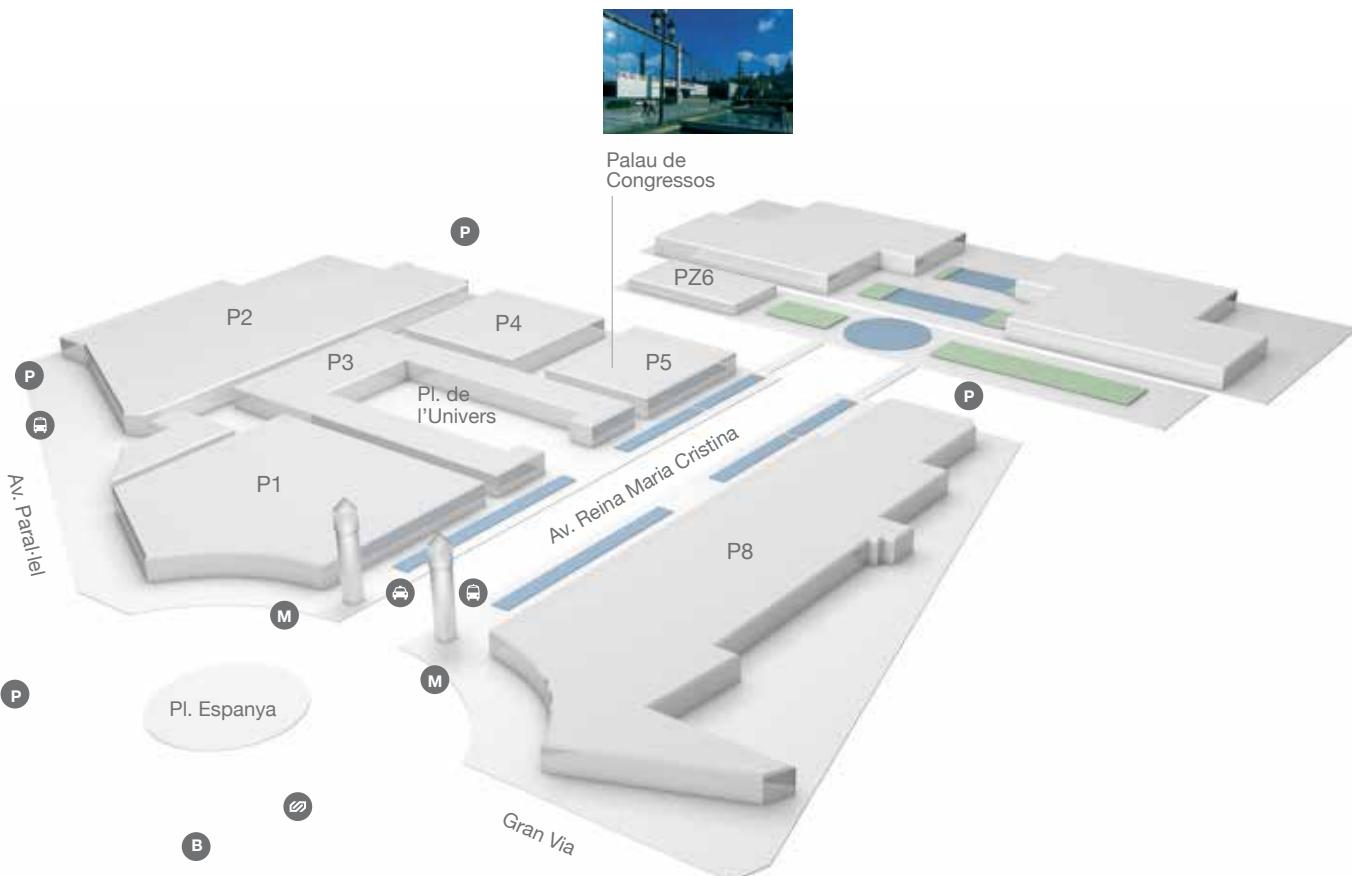
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## CONGRESS VENUE



Parada Taxi  
Parada Taxi  
Taxi stop



Ferrocarrils de la  
Generalitat



Parada Bus  
Parada Bus  
Bus stop



Aparcamiento  
Aparcament  
Parking



Metro



Parada Aerobús  
Parada Aerobús  
Aerobus stop



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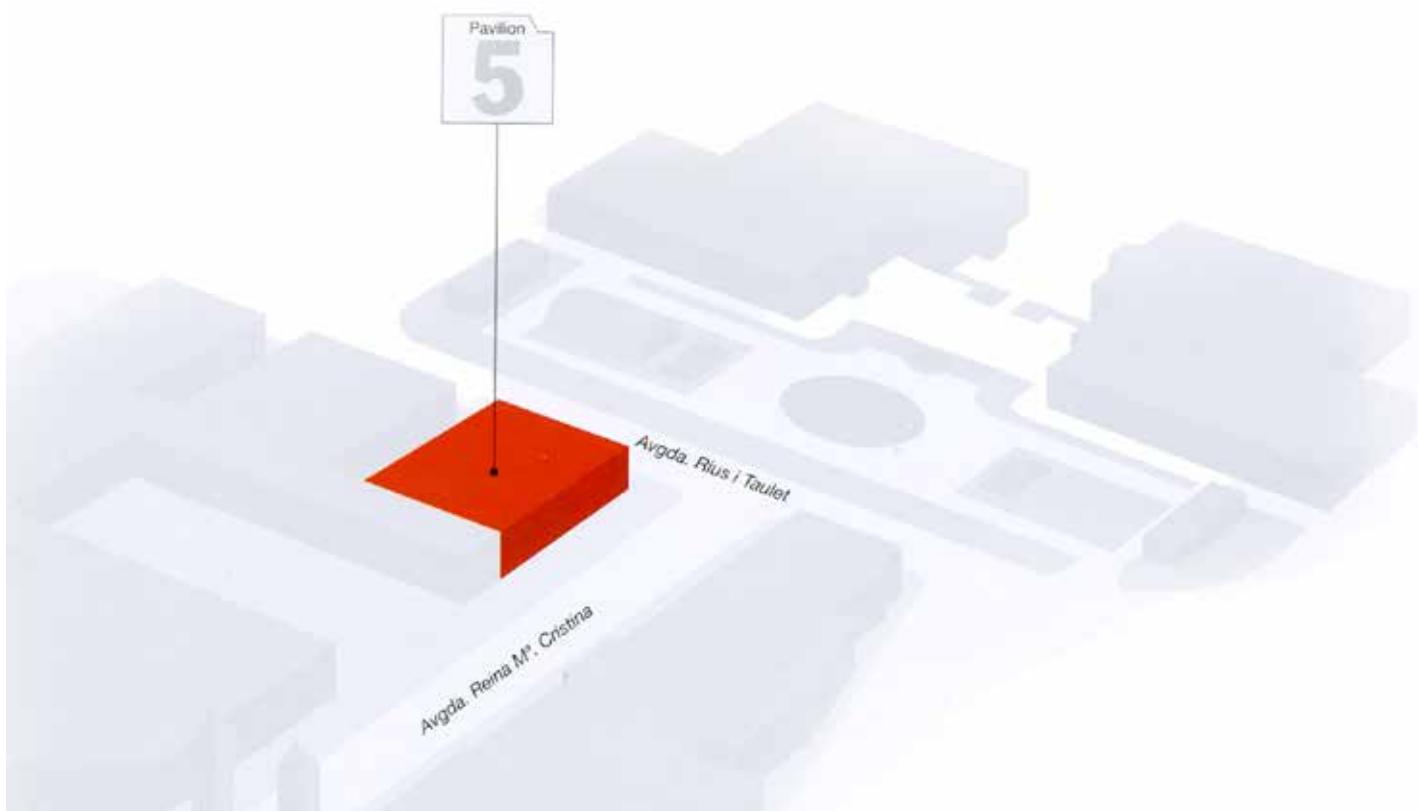
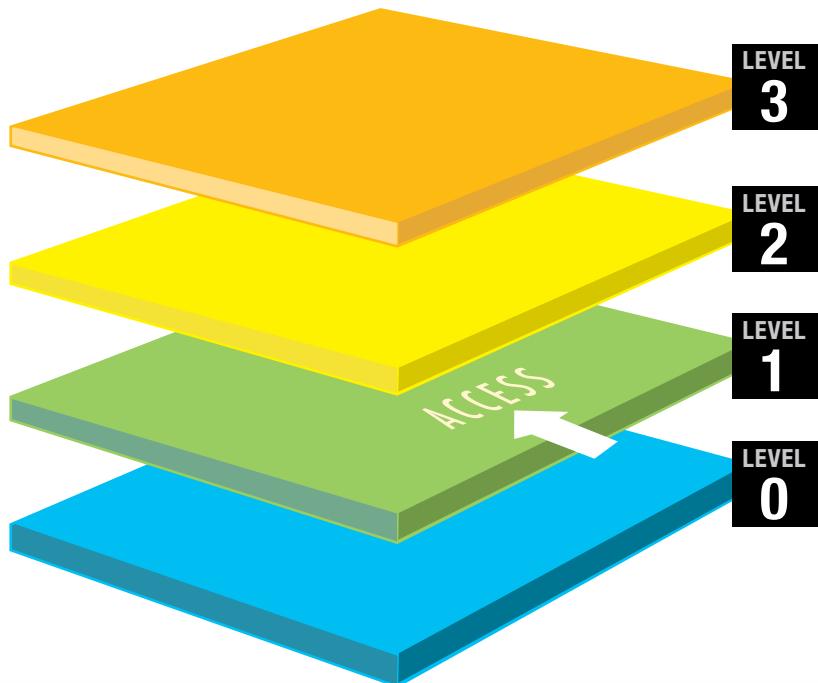
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## CONGRESS VENUE





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## FLOOR MAP - EXHIBITION - LEVEL 1





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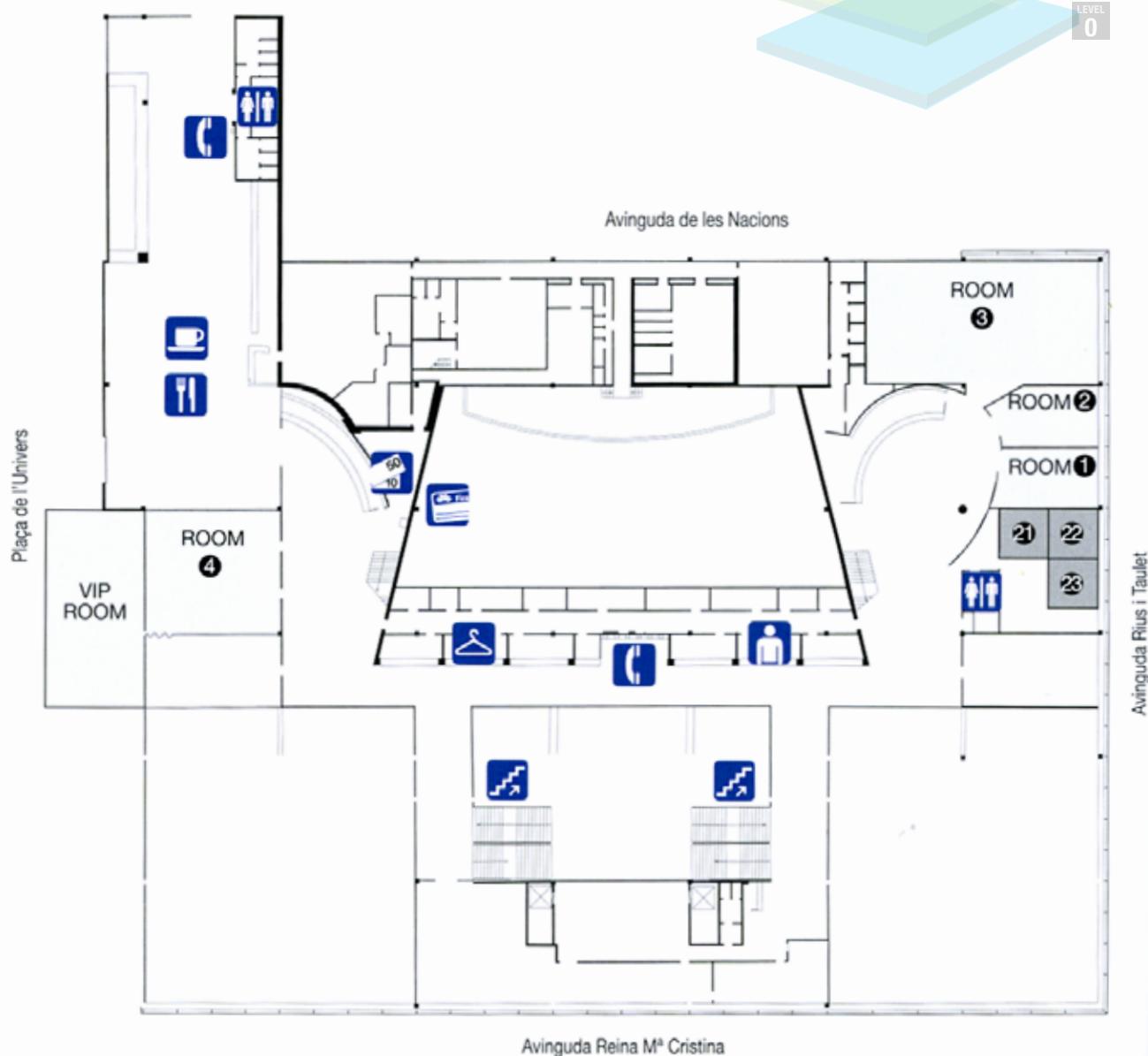
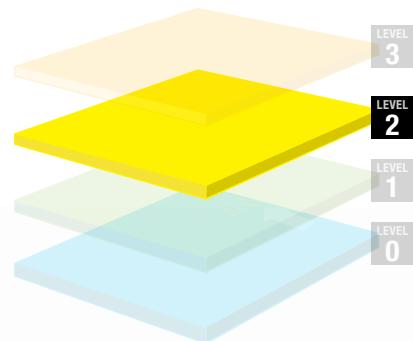
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## FLOOR MAP - LEVEL 2



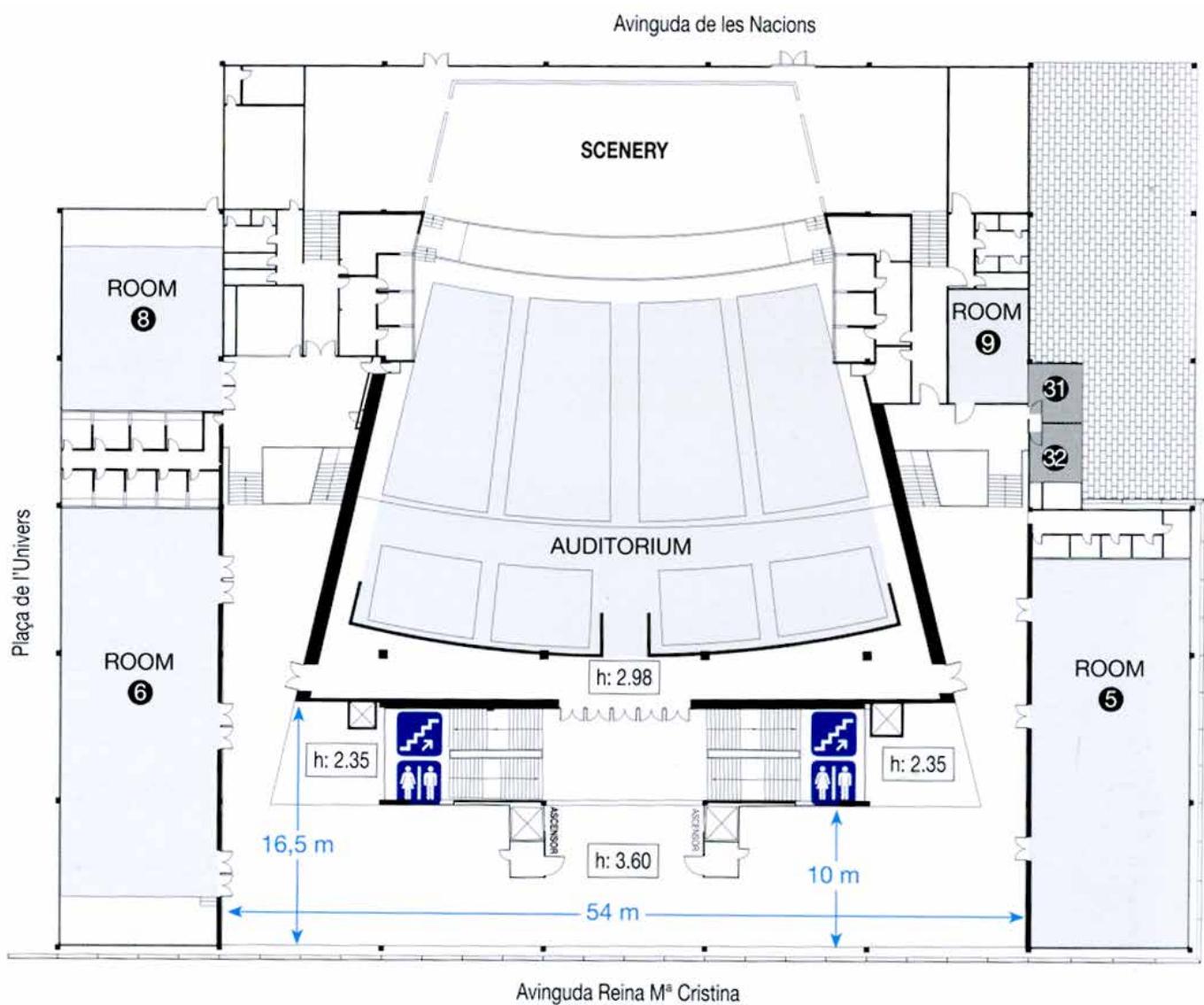
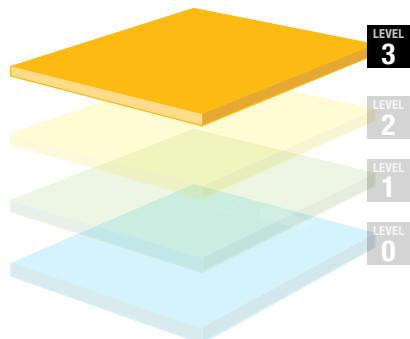


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## FLOOR MAP - LEVEL 3





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# PRE-CONGRESS HANDS-ON WORKSHOP

## WEDNESDAY APRIL 15TH

The hands-on workshop is intended to those with limited or no experience or those wishing to refresh or improve their knowledge. It gives an opportunity to become acquainted with the most common techniques and devices used in 4 different areas:

- **Hemodialysis catheter placement**
- **Arteriovenous fistula surveillance**
- **Endovascular procedures**
- **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 different procedures
- To acquire a standardized technique in a step-by step fashion
- To become familiar with devices and their use
- To discuss technical problems with experts
- To learn technical tips and tricks
- To understand how to avoid or minimize the most commonly encountered complications

Maximum number of attendees: 80

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

### PROGRAM

#### Theoretical Concepts:

- 30-minute instructional session on each topic
- Theoretical introduction of concepts applied of each topic. Description of the technical aspects of different procedures, indication and techniques.

#### Hands-on sessions

- Principles to practice. Skills training: education and simulation
- Participants rotating through 4 areas
- 90 minutes for each topic
- Small group training sessions close interaction with faculty
- Participants will learn how to use currently available devices for different procedures. Experienced tutors will discuss technical tips and tricks.
- With Simulation Models, the attendee will learn:
  - How to perform the procedures
  - Manage procedural complications
  - Tips and tricks

#### Coordination:

**Jose Ibeas, Ramon Roca-Tey, Joaquim Vallespin, Spain**



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# PRE-CONGRESS HANDS-ON WORKSHOP · WEDNESDAY APRIL 15TH

## TOPICS

### 1. Fistula Evaluation by Ultrasound Examination

Review of the theory of the physical principles of ultrasonography 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. Mapping and determination of indications in patients with vascular access indication, on the one hand, and normal vascular access and with different types of pathology for diagnosis of stenosis, thrombosis, aneurysms, deep veins, etc.

08.00-08.30h - Theoretical Session:

Pre and postoperative assessment of arteriovenous fistula

Malovrh, Marko. Slovenia

Ultrasound approach to (late) complications in the arteriovenous fistula

Van Hooland, Simon. Belgium

11.30-18.30h - Workshop:

Ibeas, Jose. Spain

Malovrh, Marko. Slovenia

Shemesh, David. Israel

Van Hooland, Simon. Belgium

### 3. Vascular Access Surgery

Review of the principles underlying the surgical procedures applied in arteriovenous fistula creation, both native and prosthetic.

Hands-on practical demonstration of various suture techniques for arterial and venous anastomoses using suture box setting or arm simulator.

09.00-09.30h - Theoretical Session:

Surgical approach to native arteriovenous fistula

Shenoy, Surendra. USA

Surgical approach to prosthetic arteriovenous fistula

Mickley, Volker. Germany

11.30-18.30h - Workshop:

Chemla, Eric. UK

Giménez, Antoni. Spain

Mickley, Volker. Germany

Shenoy, Surendra. USA

### 2. Endovascular Vascular Access Procedures

Review of the principles underlying the endovascular procedures used in different treatments of vascular access pathology. Hands-on practice sessions will be organized aimed at demonstrating vascular treatment of different pathologies with simulation models. Simulation models will be used for treating endovascular stenosis with transluminal angioplasty/stenting procedure, thrombosis with thrombectomy; collaterals with coils deployment, etc.

08.30-09.00h - Theoretical Session:

Indication of endovascular treatment and options in vascular access stenosis

Pirozzi, Nicola. Italy

Endovascular procedures

Asif, Arif. USA

11.30-18.30h - Workshop:

Asif, Arif. USA

Criado, Eva. Spain

Pirozzi, Nicola. Italy

Wasse, Haimanot. 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 tunnel creation.

09.30-10.00h - Theoretical Session:

Approach to catheter placement

Gallieni, Maurizio. Italy

Approach to tunneled catheter tip placement and follow up complications

Vesely, Tom. USA

11.30-18.30h - Workshop:

Gallieni, Maurizio. Italy

Urbanes, Aris. USA

Vesely, Tom. USA

Wijmer, Marcel. The The Netherlands

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[www.vas2015.org](http://www.vas2015.org) WORKSHOPS

07.30	REGISTRATION OPENS							
08.00 - 10.00	THEORETICAL CONCEPTS • ROOM 3							
08.00 - 08.30	Fistula Evaluation by Ultrasound Examination							
08.30 - 09.00	Endovascular Vascular Access Procedures							
09.00 - 09.30	Vascular Access Surgery							
09.30 - 10.00	Hemodialysis Catheter							
10.00 - 10.30	COFFEE BREAK							
10.30 - 18.30	HANDS ON SESSIONS • ROOMS 5-6							
	Ultrasound	Endovascular	Surgery	VA Catheter				
11.00 - 12.30	Group 1	Group 2	Group 3	Group 4				
12.30 - 13.30		LUNCH						
13.30 - 15.00	Group 2	Group 3	Group 4	Group 1				
15.00 - 16.30	Group 3	Group 4	Group 1	Group 2				
16.30 - 17.00		COFFEE BREAK						
17.00 - 18.30	Group 4	Group 1	Group 2	Group 3				

WEDNESDAY APRIL 15th



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## VAS CONGRESS · Thursday April 16th

	Auditorium	ROOM 6	ROOM 5	ROOM 3	
Floor	III	III	III	II	
07.30	REGISTRATION				
08.00 - 09.00	CASE REPORT SESSION				
09.00 - 09.30	OPENING CEREMONY				
09.30 - 10.00	ARTERIOVENOUS FISTULA MATURATION				
10.00 - 10.30	COFFEE BREAK - POSTER SESSION				
10.30 - 12.15	FROM EPIDEMIOLOGY TO ECONOMICS(I)	NURSING CARE STANDPOINT: NEEDLING TECHNIQUES	VASCULAR ACCESS CREATION: FROM BASICS TO COMPLEX (I)	LATE BREAKING CLINICAL TRIALS	
12.15 - 13.30	VASCULAR ACCESS IN THE PREDIALYSIS STAGE	BASIC RESEARCH			
13.30 - 15.00			LUNCH SESSION (page 53) LIMITED ATTENDANCE	LUNCH SESSION (page 53) LIMITED ATTENDANCE	
15.00 - 16.00	VOTING SESSION: THE ELECTIVE TREATMENT OF FIRST CHOICE IN THE JUXTANASTOMIC ARTERIOVENOUS FISTULA STENOSIS: ANGIOPLASTY VS SURGERY	VASCULAR ACCESS SURVEILLANCE			
16.00 - 16.30	COFFEE BREAK				
16.30	VASCULAR ACCESS INFECTION	TREATMENT OF ARTE- RIOVENOUS ACCESS COMPLICATIONS (I): ENDOVASCULAR STRATEGIES	HEMODYNAMICS: FROM ARTERIOVENOUS ACCESS TO HEART		
17.30	HEMODIALYSIS CATHETER (I)	ENDOVASCULAR TREATMENT (17:45-18:35)	HEMODYNAMICS		
17.45					
18.30					
18.35 - 20.00					
VAS BOARD AND COUNCIL MEETING • ROOM 2					

FREE PAPER SESSION

MAIN LECTURE

ROUND TABLE

SESSION

VOTING SESSION



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## VAS CONGRESS · Friday April 17th

	Auditorium	ROOM 6	ROOM 5	ROOM 3
Floor	III	III	III	II
08.00 - 09.30	REVIEWING THE EVIDENCE: LAST CLINICAL PRACTICE GUIDELINES	VASCULAR ACCESS CREATION: FROM BASICS TO COMPLEX (II)	VASCULAR ACCESS AND QUALITY OF LIFE	VASCULAR ACCESS CARE (I)
09.30	COMPLEX SURGERY IN PATIENTS WITH MULTIPLE FAILED ACCESS			
10.00 - 10.30	COFFEE BREAK - POSTER SESSION			
10.30	VASCULAR ACCESS SURVEILLANCE FOR STENOSIS SIGNIFICANT OR NOT SIGNIFICANT: THIS IS THE QUESTION?	MANAGEMENT OF VASCULAR ACCESS RELATED ANEURYSMS	HEMODIALYSIS CENTRAL VEIN CATHETER (I): DYSFUNCTION	
11.30		CEPHALIC ARCH STENOSIS: UPDATE		
12.00	TRANSLATIONAL RESEARCH		HEMODIALYSIS CATHETER (II)	
13.30 - 15.00			LUNCH SESSION (page 53) LIMITED ATTENDANCE	LUNCH SESSION (page 53) LIMITED ATTENDANCE
15.00 - 16.00	VOTING SESSION: MORTALITY ASSOCIATED WITH THE CENTRAL VENOUS CATHETER IN INCIDENT HEMODIALYSIS PATIENTS: REALITY VS BIAS	VASCULAR ACCESS CREATION (I)		
16.00 - 16.30	COFFEE BREAK			
16.30	FROM EPIDEMIOLOGY TO ECONOMICS (II)	ULTRASONOGRAPHY: UPDATE	TREATMENT OF ARTERIOVENOUS ACCESS COMPLICATIONS (II): HAND ISCHEMIA SECONDARY TO FISTULA STEAL	
17.30				
18.30			VASCULAR ACCESS CREATION (II)	
18.30 - 19.15	VAS GENERAL ASSEMBLY			
20.45	GALA DINNER			



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## VAS CONGRESS · Saturday April 18th

	Auditorium Floor	ROOM 6	ROOM 5
	III	III	III
08.00 - 09.30	THE MULTIDISCIPLINARY TEAM: DIFFERENT POINTS OF VIEW	NEW DEVELOPMENTS ON VASCULAR ACCESS	BUTTONHOLE NEEDLING
09.30	ENDOVASCULAR TREATMENT OF VASCULAR ACCESS STENOSIS		
10.00 - 10.30	COFFEE BREAK - POSTER SESSION		
10.30	HEMODIALYSIS CENTRAL VEIN CATHETER (II): INFECTION	VASCULAR ACCESS MONITORING FOR STENOSIS: FIRST GE- NERATION METHODS	TREATMENT OF ARTERIOVENOUS ACCESS COMPLICA- TIONS (III): STENOSIS AND THROMBOSIS
11.30		VASCULAR ACCESS CARE (II)	
12.00	VOTING SESSION: THE VASCULAR ACCESS OF FIRST CHOICE IN THE INCIDENT ELDERLY PATIENT (>75 YEARS OLD): ARTERIOVENOUS ACCESS VS CATHETER	QUALITY INDICATORS	
13.00 - 13.30	AWARDS AND CLOSING CEREMONY		

FREE PAPER SESSION

MAIN LECTURE

ROUND TABLE

SESSION

VOTING SESSION



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## VAS CONGRESS THURSDAY APRIL 16TH

08:00-09:00

AUDITORIUM

### CASE REPORT SESSION

Moderators:

López, Cristina. Spain  
García-Revillo, José. Spain

**Transposed superficial femoral vein fistula:  
durability despite early complications**  
Diane R Hildebrand, Philip Jenkinson, Alasdair Wilson, Michael Sharp

Department of Vascular Surgery, Aberdeen Royal Infirmary, Aberdeen, United Kingdom

**Surgical And Endovascular  
Simultaneous Treatment Of Thrombo-  
sed Prosthetic Grafts For Hemodialysis In Hybrid**

Pecchio Alberto, Berardi G, A, Viazza A, Ferri M, Ferrero E, Cumbo P, Piazza S, Psacharopulo D, Nessi Franco

Mauriziano Umberto I Hospital, Turin, Italy

**Ultrasound Guided-Angioplasty, A Suitable  
Alternative In Some Patients**

Maria Guedes-Marques<sup>1</sup>, Pedro Maia<sup>1</sup>, Carlos Barreto<sup>1</sup>, José Andrade<sup>1</sup>, Telmo Carvalho<sup>1</sup>, José Ibeas<sup>2</sup>, Pedro Ponce<sup>1</sup>

<sup>1</sup> Vascular Access Center of Lisbon - Nephrocare, Lisbon, Portugal

<sup>2</sup> Nephrology department of Hospital Parc Taulí, Sabadell, Spain

**DRIL Procedure For Hemodialysis Access-Induced**

**Lower Limb Ischemia**

Jan Tordoir

MUMC, Maastricht, Netherlands, The

09:00-09:30

AUDITORIUM

### OPENING CEREMONY

09:30-10:00

### MAIN LECTURE

#### ARTERIOVENOUS FISTULA MATURATION

Roy-Chaudhury, Prabir

Dialysis Vascular Access Research Group.

Division of Nephrology, University of Cincinnati, Cincinnati, Ohio, USA

**Chaired by:**

Lee, Timmy

Department of Medicine and Division of Nephrology, University of Alabama at Birmingham, Birmingham, Alabama, USA

10:00-10:30

AUDITORIUM

### COFFEE - BREAK AND POSTER SESSION

### BREAKOUT SESSION 1 FROM EPIDEMIOLOGY TO ECONOMICS (I)

Moderators:

Vachharajani, Tushar. USA  
Zemchenkov, Alexander. Russia

**Vascular access used to start dialysis in Catalonia**  
Roca-Tey, Ramon. Spain

**A South Asian perspective**

Vivekanand, Jha. India

**Data from North-West Africa**

Haddiya, Intissar. Morocco

**DOPPS report**

Jadoul, Michel. Belgium

**Data from the Spanish-speaking countries  
of South America**

Mascheroni, Claudio. Argentina.

**Catheter bad, fistula not-so-good?:  
the economic point of view**

Lok, Charmaine. Canada.

10:30-12:15

ROOM 6

### BREAKOUT SESSION 2 NURSING CARE STANDPOINT: NEEDLING TECHNIQUES

Moderators:

Goovaerts, Tony. Belgium  
Besarab, Anatole. USA

**Teaching self-cannulation**

Agostinho, Marisa. Portugal

**The science of fistula cannulation**

Marticorena, Rosa. Canada

**Factors determining successful cannulation**

Van Loon, Magda. The The Netherlands

**Do we follow the recommendations  
in the Guidelines?**

Marti, Anna. Spain

**Effect of cannulation technique on  
arteriovenous access survival**

Parisotto, María Teresa. Germany



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## VAS CONGRESS THURSDAY APRIL 16TH

10:30-11:30

ROOM 5

### BREAKOUT SESSION 3

#### VASCULAR ACCESS CREATION: FROM BASICS TO COMPLEX (I)

##### Moderators:

Hedin, Ulf. Sweden  
Vallespin, Joaquim. Spain

Surgical strategies to enhance fistula needling  
Bourquelot, Pierre. France

Brachial artery-based arteriovenous access  
Baktiroglu, Selcuk. Turkey

Lower-extremity arteriovenous access  
Lazarides, Miltos. Greece

Jakub Turek<sup>4</sup>, Wojciech Witkiewicz<sup>4</sup>, Norbert Zapotoczny<sup>4</sup>, Tomasz Zubilewicz<sup>5</sup>, Laura E Niklason<sup>8</sup>

<sup>1</sup> Duke University, Durham, North Carolina, United States

<sup>2</sup> Humacyte Inc, Morrisville, North Carolina, United States

<sup>3</sup> Sentara Norfolk General Hospital, Norfolk, Va, United States

<sup>4</sup> Wojewódzki Szpital Specjalistyczny we Wrocławiu, Wrocław, Poland

<sup>5</sup> Uniwersytet Medyczny w Lublinie, Lublin, Poland

<sup>6</sup> Samodzielny Publiczny Centralny Szpital Kliniczny w Warszawie, Warszawa, Poland

<sup>7</sup> The Methodist Hospital, Houston, Tx, United States  
<sup>8</sup> Yale University, New Haven, Ct, United States

11:30-12:15

ROOM 5

### BREAKOUT SESSION 4

#### LATE BREAKING CLINICAL TRIALS

##### Moderators:

Remuzzi, Andrea. Italy.  
Rotmans, Joris. The Netherlands

A 3-Year Experience Of Bovine Pericardial Patch Angioplasty For Recalcitrant Or Recurrent Venous Stenosis In Vascular Access

Pauline Buxton, Lewis Meecham, Richard Evans, Laura Henderson, Jocelyn Legge, Sriram Rajagopalan, John Asquith, Omer Ehsan, Arun Pherwani  
Royal Stoke University Hospital, Stoke On Trent, United Kingdom

Vonapanitase (PRT-201, Recombinant Human Type I Pancreatic Elastase) For Improved Arteriovenous Fistula Outcomes - Long-Term Results

Steven K Burke<sup>1</sup>, Robert J Hye<sup>2</sup>, Eric K Peden<sup>3</sup>, Timothy P O'Connor<sup>4</sup>, Barry J Browne<sup>5</sup>, Bradley S Dixon<sup>6</sup>

<sup>1</sup> Proteon Therapeutics, Waltham, United States

<sup>2</sup> Kaiser Permanente Vascular Surgery, San Diego, United States

<sup>3</sup> The Methodist Hospital, Houston, United States

<sup>4</sup> Renal Care Association, Peoria, United States

<sup>5</sup> California Institute of Renal Research, San Diego, United States

<sup>6</sup> University of Iowa Hospital and Clinics, Iowa City, United States

Bioengineered Blood Vessel: Preclinical And First-In-Man Testing

Jeffrey H. Lawson<sup>1</sup>, Shannon L.M. Dahl<sup>2</sup>, Marc H Glickman<sup>3</sup>, Małgorzata Guziewicz<sup>4</sup>, Marek Ilzecki<sup>5</sup>, Tomasz Jakimowicz<sup>6</sup>, Eric Peden<sup>7</sup>, Alison J Pilgrim<sup>2</sup>, Heather L Pri chard<sup>2</sup>, Stanislaw Przywara<sup>5</sup>, Jacek Szmidt<sup>6</sup>,

12:15-13:30

AUDITORIUM

### ROUND TABLE

#### VASCULAR ACCESS IN THE PREDIALYSIS STAGE

##### Moderators:

Amerling, Richard. USA  
Basile, Carlo. Italy

Predictive variables of fistula maturation  
Walsh, Stewart. UK

Type and timing to arteriovenous access placement in the incident patient  
Urbanes, Aris. USA

Preoperative assessment and access strategies  
Lomonte, Carlo. Italy

Endovascular treatment of nonmature fistula  
Hohl, Christian. Germany

Strategies to initiate chronic hemodialysis without a catheter  
Allon, Michael. USA

12:15-13:30

ROOM 6

13:30-15:00

### FREE PAPER SESSION BASIC RESEARCH (page 34)

### LUNCH SESSIONS (page 53)



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## VAS CONGRESS THURSDAY APRIL 16TH

15:00-16:00

AUDITORIUM

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

Pro (angioplasty): Haskal, Ziv. USA  
Con (surgery): Lazarides, Miltos. Greece

15:00-16:00

ROOM 6

FREE PAPER SESSION:  
VASCULAR ACCESS SURVEILLANCE  
(page 34)

17:45-18:35

ROOM 5

Ultrasound guided endovascular therapy for vascular access dysfunction

Abadal, José María. Spain

Drug eluting balloons for stenosis  
Hohl, Christian. Germany

FREE PAPER SESSION:  
ENDOVASCULAR TREATMENT (page 35)

BREAKOUT SESSION 7

HEMODYNAMICS:  
FROM ARTERIOVENOUS ACCESS TO HEART

Moderators:

Krivitski, Nikolai. USA  
Ravani, Pietro. Canada

Mechanisms of arteriovenous access-associated high-output cardiac failure

MacRae, Jeniffer. Canada

Predictive factors for high-output heart failure  
Richard Amerling. USA

Hemodynamic criteria for construction and closure of the vascular access  
Basile, Carlo. Italy.

FREE PAPER SESSION:  
HEMODYNAMICS (page 33)

VAS BOARD AND COUNCIL MEETING

16:00-16:30

AUDITORIUM

COFFEE - BREAK AND POSTER SESSION

BREAKOUT SESSION 5  
VASCULAR ACCESS INFECTION

Moderators:

Jadoul, Michel. Belgium  
Mokrzycki Michele. USA

Management of biofilm-associated infections  
del Pozo, José Luis. Spain

Graft infection: an Update  
Kingsmore, David. UK

Catheter-related bacteremia:  
clinical and economic implications  
Lok, Charmaine. Canada

17:45-18:30

ROOM 2

17:30-18:30

ROOM 6

FREE PAPER SESSION:  
HEMODIALYSIS CATHETER (I) (page 34)

BREAKOUT SESSION 6:  
TREATMENT OF ARTERIOVENOUS ACCESS COMPLICATIONS (I):  
ENDOVASCULAR STRATEGIES  
Moderators:

Rajan, Dheeraj. Canada  
Pirozzi, Nicola. Italy

Endovascular approach to the patient with difficult vascular access  
Dolmatch, Bart. USA

Stent vs Balloon Angioplasty for failing grafts:  
current evidence  
Haskal, Ziv. USA



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## VAS CONGRESS FRIDAY APRIL 17TH

08:00-09:30

AUDITORIUM

### BREAKOUT SESSION 8

#### REVIEWING THE EVIDENCE: CLINICAL GUIDELINES

##### Moderators:

Gallieni, Maurizio. Italy.  
Allon Michael. USA.

The new Spanish Clinical Guidelines  
Ibeas, Jose. Spain.

Clinical practice guidelines for vascular access  
in Japan  
Kukita, Kazutaka. Japan.

UK Renal Association Guidelines  
Sandip, Mitra. UK

Recommendations from Italy  
Forneris, Giacomo. Italy

European Best Practice Guidelines (EBPG)  
Tordoir, Jan. The Netherlands.

K-DOQI Guidelines: what does it needs to update?  
Besarab, Anatole. USA

08:00-09:30

ROOM 6

### BREAKOUT SESSION 9

#### VASCULAR ACCESS CREATION: FROM BASICS TO COMPLEX (II)

##### Moderators:

Widmer, Matthias. Switzerland  
Fernández, Fidel. Spain

Innovative surgical approaches  
Shenoy, Surendra. USA

Synthetic arteriovenous access:  
long-term outcomes.  
Hedin, Ulf. Sweden

Can early cannulation grafts become a cost-saving  
alternative to tunneled catheters?  
Kingsmore, David. UK

Vascular access creation in elderly patients  
Shemesh, David. Israel

Endovascular fistula construction  
Rajan, Dheeraj. Canada

08:00-09:30

ROOM 5

### BREAKOUT SESSION 10

#### VASCULAR ACCESS AND QUALITY OF LIFE

##### Moderators:

Parisotto, María Teresa. Germany.  
Murea, Mariana. USA.

Vascular access type and location in online  
hemodiafiltration and its association with patient's  
quality of life  
Costa, Elísio. Portugal.

Vascular access type, health-related quality of life  
and depression  
Afsar, Baris. Turkey

Association of Initial Hemodialysis Vascular  
Access with Quality of Life and physical activity  
Wasse, Haimanot. USA

09:00-09:30

### FREE PAPER SESSION: VASCULAR ACCESS CARE (I) (page 36)

09:30-10:00

AUDITORIUM

### MAIN LECTURE

#### COMPLEX SURGERY IN PATIENTS WITH MULTIPLE FAILED ACCESSES

Chemla, Eric

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

##### Chaired by:

Giménez, Antoni.

Chief of Vascular Surgery, Corporació Sanitària  
Parc Taulí. Sabadell, Spain.

10:00-10:30

### COFFEE -BREAK AND POSTER SESSION



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## VAS CONGRESS FRIDAY APRIL 17TH

10:30-12:00

AUDITORIUM

### BREAKOUT SESSION 11

#### VASCULAR ACCESS SURVEILLANCE FOR STENOSIS. SIGNIFICANT OR NOT SIGNIFICANT: THIS IS THE QUESTION?

Moderators:

Roca-Tey, Ramon. Spain  
Ibeas, Jose. Spain

Vascular access surveillance for stenosis by blood flow rate measurements

Roca-Tey, Ramon. Spain

Screening for arteriovenous graft stenosis  
Tessitore, Nicola. Italy

Analysis of clinical trials on flow surveillance  
Krivitski, Nikolai. USA

Significant stenosis: is there a new concept?  
Malik, Jan. Czech Republic

What must we do in practice?  
Besarab, Anatole, USA

10:30-12:30

ROOM 5

### BREAKOUT SESSION 14

#### HEMODIALYSIS CENTRAL VEIN CATHETER (I) DYSFUNCTION

Moderators:

Ravani, Pietro. Canada  
Lomonte Carlo. Italy

Clinical implications of catheter design.  
Gallieni, Maurizio. Italy

Strategies to optimize catheter function  
Mokrzycki, Michele. USA

Role of the catheter tip position  
Vesely, Tom. USA

Prevention of catheter dysfunction: an UpDate  
Weijmer, Marcel. The Netherlands

Tesio catheter: accumulated experience  
Tesio, Franco. Italy

10:30-11:30

ROOM 6

### BREAKOUT SESSION 12

#### MANAGEMENT OF VASCULAR ACCESS- RELATED ANEURYSMS

Moderators:

Baktiroglu, Selcuk, Turkey  
Moñux, Guillermo, Spain

Approach to pseudoaneurysms

Giménez, Antoni. Spain

Stent graft treatment for access-related aneurysms  
Shemesh, David. Israel

Autologous surgical reconstruction for true  
vascular aneurysms

Mickley, Volker. Germany

12:00-12:30

AUDITORIUM

### ROUND TABLE

#### TRANSLATIONAL RESEARCH

Moderators:

Shenoy, Surendra. USA  
Tordoir, Jan. The Netherlands

In vivo engineered vascular access grafts.  
Rotmans, Joris. The The Netherlands

Natural history of venous morphologic changes  
in access stenosis.  
Lee, Timmy. USA

New techniques for determining the effects  
of local hemodynamics on intima-media thickness  
in an animal model  
Roy-Chaudhury, Prabir. USA

Computational model for surgical planning of  
vascular access  
Remuzzi, Andrea. Italy

The ReDVA project  
Inston, Nick. UK

11:30-12:30

ROOM 6

### BREAKOUT SESSION 13

#### CEPHATIC ARCH STENOSIS: AN UPDATE

Moderators:

Davidson, Ingemar, USA  
Dolmatch, Bart, USA

Prevalence, etiology and physiopathology  
Asif, Arif. USA

Surgical approach  
Mickley, Volker. Germany

Endovascular approach  
Rajan, Dheeraj. Canada

13:30-15:00

### LUNCH SESSIONS (page 53)



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## VAS CONGRESS FRIDAY APRIL 17TH

15:00-16:00

AUDITORIUM

INTERACTIVE REAL-TIME POLLING OF THE AUDIENCE:

MORTALITY ASSOCIATED WITH THE CENTRAL VENOUS CATHETER IN INCIDENT HEMODIALYSIS PATIENTS:  
REALITY versus BIAS

Moderator: Urbanes, Aris. USA

Pro (reality): Wasse, Haimanot. USA  
Con (bias): Ravani, Pietro. Canada

15:00-16:00

ROOM 6

FREE PAPER SESSION:  
VASCULAR ACCESS CREATION (I) (page 36)

16:00-16:30

16:30-18:30

AUDITORIUM

COFFEE - BREAK AND POSTER SESSION

BREAKOUT SESSION 15  
FROM EPIDEMIOLOGY TO ECONOMICS (II)

Moderators:  
López, Cristina. Spain  
Inston, Nick. UK

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

Report from China  
Jiang, Aili. China

Russian perspective  
Zemchenkov, Alexander. Russia

Data from Europe: epidemiology trends and factors influencing vascular access  
Meichelboeck, Wolfgang. Germany

Study from North-Eastern and Southern Africa  
ElSaid, Tamer. Egypt

Epidemiology of vascular access in Brazil  
Ferraz, Adilson. Brazil

16:30-18:30

ROOM 6

BREAKOUT SESSION 16  
ULTRASONOGRAPHY: AN UPDATE

Moderators:  
Ibeas, Jose. Spain  
Van Hooland, Simon. Belgium

Mapping utility: from surgery to maturation  
Malovrh, Marko

Preoperative Vascular ultrasonography: does it improve arteriovenous fistula patency?  
Walsh, Stewart. UK

A tool for vascular access surveillance  
Sato, Takashi. Japan

Ultrasound and catheter placement  
Criado, Eva. Spain

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

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

16:30-18:30

ROOM 5

BREAKOUT SESSION 17

TREATMENT OF ARTERIOVENOUS ACCESS COMPLICATIONS (II): HAND ISCHEMIA SECONDARY TO FISTULA STEAL

Moderators:  
Bourquelot, Pierre. France  
Mestres, Gaspar. Spain

Prevalence, etiology, diagnosis and timing for intervention  
Vallespín, Joaquim. Spain

The radiologist's point of view  
Moreno, Teresa. Spain

Surgical strategies  
Sessa, Carmine. France

17:30-18:30

18:30-19:15

AUDITORIUM

FREE PAPER SESSION:  
VASCULAR ACCESS CRERATION (II) (page 38)

VAS GENERAL ASSEMBLY

20:45

GALA DINNER

HOTEL REY JUAN CARLOS I  
(not included in the registration fee)



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## VAS CONGRESS SATURDAY APRIL 18TH

08:00-09:30

AUDITORIUM

### BREAKOUT SESSION 18

#### THE MULTIDISCIPLINARY TEAM: DIFFERENT POINTS OF VIEW

##### Moderators:

Marti, Anna. Spain  
Gallieni, Maurizio. Italy

##### Nurses

Pegoraro, Marisa. Italy

##### Nephrologists

Allon, Michael. USA

##### Surgeons

Tordoir, Jan. The Netherlands

##### Radiologists

Vorwerk, Dierk. Germany

08:00-09:30

ROOM 6

### BREAKOUT SESSION 19

#### NEW DEVELOPMENTS IN VASCULAR ACCESS

##### Moderators:

Roy-Chaudhury, Prabir. USA  
Lazarides, Miltos. Greece

##### Endovascular stents for dialysis access: current evidence

Yevzlin, Alexander. USA

##### Selection is Key to Dialysis Access Success

Davidson, Ingemar. USA

##### The REVISE Clinical Study protocol

Vesely, Tom. USA

##### Effect of Far Infrared Therapy on arteriovenous fistula: UpDate

Lin, Chih-Ching. Taiwan

##### Early graft cannulation. How to get rid of the line

Hedin, Ulf. Sweden

08:00-09:30

ROOM 5

### BREAKOUT SESSION 20

#### BUTTONHOLE NEEDLING

##### Moderators:

Labriola, Laura. Belgium  
Marticorena, Rosa. Canada

##### Complications

van Loon, Magda. The Netherlands

##### Buttonhole: a technique which is still evolving or how 'cons' can be avoided

Goovaerts, Tony. Belgium

##### Role of buttonhole needling in a busy Unit

King, Jennie. UK

##### Buttonhole versus rope ladder needling: results from a randomized trial

Macrae Jeniffer. Canada

09:30-10:00

AUDITORIUM

### MAIN LECTURE

#### ENDOVASCULAR TREATMENT OF VASCULAR ACCESS STENOSIS

Turmel-Rodrigues, Luc. France

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

##### Presented by:

Bart Dolmatch

Interventional Radiologist at The Palo Alto Medical Foundation, Palo Alto, California, USA.

10:00-10:30

10:30-12:00

AUDITORIUM

### COFFEE - BREAK AND POSTER SESSION

#### BREAKOUT SESSION 21

#### HEMODIALYSIS CENTRAL VEIN CATHETER (II) INFECTION

##### Moderators:

Ramírez de Arellano, Manel. Spain  
Mokrzycki, Michele. USA

##### Lock solutions: pros and cons.

Schilcher, Gernot. Austria

##### Antimicrobial lock solutions: meta-analysis of randomized trials

Labriola, Laura. Belgium

##### Prevention and treatment of catheter related sepsis

Pengloan, Josette. France

##### New catheter designs and the likelihood of bacteremia

Tal, Michael. USA

##### Mortality risk associated to central vein catheterization in very old incident patients

Kawanishi, Hideki. Japan



## VAS CONGRESS SATURDAY APRIL 18TH

10:30-12:00

ROOM 5

**BREAKOUT SESSION 22**  
**TREATMENT OF ARTERIOVENOUS ACCESS  
COMPLICATIONS (III):  
STENOSIS AND THROMBOSIS**

**Moderators:**

Haskal, Ziv. USA  
Jiménez-Almonacid, Pedro. Spain

**Surgical or interventional repair**

Ohira Seiji, Japan

**Endovascular preservation of arteriovenous access**  
García Medina, José. Spain.

**Endovascular treatment of thrombosed fistulae**  
Vorwerk, Dierk. Germany

**Surgical approach of thrombosis**  
Widmer, Matthias. Switzerland

10:30-12:00

ROOM 6

**BREAKOUT SESSION 23**  
**VASCULAR ACCESS MONITORING FOR  
STENOSIS: FIRST GENERATION METHODS**

**Moderators:**

Asif, Arif. USA  
Gruss, Enrique. Spain

**Clinical monitoring**

Coentrao, Luis. Portugal

**Dialysis adequacy**  
Fontseré, Nestor. Spain

**Qb stress test**  
Bonforte, Giuseppe. Italy

11:30-12:00

**FREE PAPER SESSION:  
VASCULAR ACCESS CARE (II) (page 39)**

12:00-13:00

AUDITORIUM

**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**

**Moderators:**

Lok, Charmaine. Canada

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

**Con (central vein catheter):**  
Murea, Mariana. USA

**FREE PAPER SESSION:  
QUALITY INDICATORS (page 39)**

12:00-13:00

ROOM 5

13:00-13:30

**AWARDS AND CLOSING CEREMONY**



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## THURSDAY 16TH APRIL - FREE PAPER SESSION

### 12:15 - 13:30 - ROOM 6

#### Basic Research

Moderator - Jose Luis Merino

Moderator - Milagros Fernández

12:15 - 12:22

#### ARTERIOVENOUS FISTULA REMODELING IN A RAT AVF MODEL

Timmy Lee

University of Alabama at Birmingham,  
Birmingham, United States

13:05 - 13:12

#### HYSTOMORPHOMETRIC CHANGES IN CEPHALIC VEINS AS A RESULT OF ARTERIOVENOUS FISTULA

Vladimir Pusevski, Petar Dejanov, Vesna Gerasimovska

University clinic of Nephrology, Skopje,  
Macedonia, Former Yugoslav Republic of

12:25 - 12:32

#### A NOVEL MODEL OF BALLOON ANGIOPLASTY INJURY IN RAT ARTERIOVENOUS FISTULA

Timmy Lee

University of Alabama at Birmingham, Bir-  
mingham, United States

13:15 - 13:22

#### LIPOSOMAL PREDNISOLONE INHIBITS VASCULAR INFLAMMATION AND ENHANCES MATURATION OF ARTERIOVENOUS FISTULAS IN MICE

Chunyu Wong<sup>1</sup>, Taya Bezhaeva<sup>1</sup>, Carolien Rothuizen<sup>1</sup>, Bart Metselaar<sup>2</sup>, Floris Verbeek<sup>3</sup>, Alexander Vahrmeijer<sup>3</sup>, Anouk Wezel<sup>4</sup>, Erik Stroes<sup>5</sup>, Anton Jan Van Zonneveld<sup>1</sup>, Ton Rabelink<sup>1</sup>, Paul Quax<sup>3</sup>, Joris Rotmans<sup>1</sup>

<sup>1</sup> Dept of Nephrology, Leiden University Medical Center, Leiden, The Netherlands

<sup>2</sup> Enceladus pharmaceuticals, Naarden, The Netherlands

<sup>3</sup> Dept of Surgery, Leiden University Medical Center, Leiden, The Netherlands

<sup>4</sup> Leiden Academic Centre for Drug Research, Leiden, The Netherlands

<sup>5</sup> Dept of Vascular Medicine, Academic Medical Center, Amsterdam, The Netherlands

12:35 - 12:42

#### AN EXPERIMENTAL APPROACH TO THE GENESIS OF PERIVASCULAR VIBRATIONS OR WHAT IS THE CAUSE OF THE THRILL?

Ulf Krueger

Queen Elisabeth Hospital Berlin, Dept. of Vas-  
cular Surgery, Berlin, Germany

12:45 - 12:52

#### COMPARISON OF SPIRAL AND CONVENTIONAL ARTERIOVENOUS GRAFTS USING COMPUTATIONAL METHODS

Efstratios Kokkalis<sup>1</sup>, Peter R Hoskins<sup>2</sup>,  
Prashant Valluri<sup>2</sup>, George A Corner<sup>3</sup>, J Graeme Houston<sup>1</sup>

<sup>1</sup> University of Dundee, Dundee, United Kingdom

<sup>2</sup> University of Edinburgh, Edinburgh,  
United Kingdom

<sup>3</sup> NHS Tayside, Dundee, United Kingdom

12:55 - 13:02

#### CASPASE-3 EXPRESSION IS REDUCED BY FLOW IN A HUMAN WHOLE VEIN PULSATILE FLOW MODEL

Yazin Marie<sup>1</sup>, Nuor N S Jamil<sup>2</sup>,  
Helen Caldwell<sup>3</sup>, Rebecca Telfer<sup>4</sup>, Souad Messahel<sup>5</sup>, Nicholas G Inston<sup>1</sup>

<sup>1</sup> University Hospitals Birmingham NHS Trust,  
Birmingham, United Kingdom

<sup>2</sup> Durham and Darlington NHS foundation  
Trust, Newcastle Upon Tyne, United Kingdom

<sup>3</sup> Western General Hospital, Edinburgh, United  
Kingdom

<sup>4</sup> College of Medical and Dental Sciences-  
University of Birmingham, Birmingham,  
United Kingdom

<sup>5</sup> Human Biomaterials Resource Centre-  
University of Birmingham, Birmingham,  
United Kingdom

15:00 - 15:07

#### 15:00 - 16:00 - ROOM 6

#### Vascular Access Surveillance

Moderator - Pilar Caro

Moderator - Nestor Fontseré

#### CAN AGGRESSIVE POSTOPERATIVE ULTRA-SOUND SURVEILLANCE ENHANCE AVF MATURATION? : A PROSPECTIVE RANDOMIZED TRIAL

Ahram Han, Chan Joong Choi, Seung-Kee Min, Jongwon Ha, Sang-II Min

Seoul National University Hospital, Seoul, Korea

15:10 - 15:17

#### DOES PRE- AND POST-ANGIOPLASTY DOPPLER ULTRA SOUND EVALUATION HELPS PREDICTING VASCULAR ACCESS OUTCOME? A PROSPECTIVE TRIAL

Maria Guedes-Marques<sup>1</sup>, Pedro Maia<sup>1</sup>, João Cruz<sup>1</sup>, Dulce Carvalho<sup>1</sup>, Fernando Neves<sup>1</sup>, Aníbal Ferreira<sup>1</sup>, Carlos Oliveira<sup>1</sup>, Carlos Barreto<sup>1</sup>, Telmo Carvalho<sup>1</sup>, José Ibeas<sup>2</sup>, Pedro Ponce<sup>1</sup>

Vascular Access Center of Lisboa, Lisboa, Portugal  
Nephrology department of Hospital Parc Taulí,  
Sabadell, Spain



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## THURSDAY 16TH APRIL - FREE PAPER SESSION

15:20 - 15:27

### SECOND GENERATION SURVEILLANCE METHODS PREVENT THROMBOSIS AND INCREASE ASSISTED PATENCY RATE IN NATIVE ARTERIOVENOUS FISTULAE. A RANDOMIZED CLINICAL TRIAL.

Inés Aragoncillo<sup>1</sup>, Soraya Abad<sup>2</sup>, Silvia Caldés<sup>1</sup>, Yésika Amézquita<sup>3</sup>, Antonio Cirugeda<sup>4</sup>, Cristina Moratilla<sup>3</sup>, Cristina Fernandez<sup>5</sup>, Ana Blanco<sup>6</sup>, Maite Villaverde<sup>6</sup>, Caridad Ruiz Caro<sup>6</sup>, Belén Martín<sup>7</sup>, María Asunción Ruiz<sup>7</sup>, Jara Ampuero<sup>7</sup>, Fernando De Alvaro<sup>4</sup>, Juan Manuel López Gómez<sup>8</sup>

<sup>1</sup> Hospital Infanta Sofía, Madrid, Spain

<sup>2</sup> Hospital Gregorio Marañón, Madrid, Spain

<sup>3</sup> Clínica Fuensanta, Madrid, Spain

<sup>4</sup> Hospital Infanta Sofía, Madrid, Spain

<sup>5</sup> Hospital Clínico, Madrid, Spain

<sup>6</sup> Clínica Dialcentro, Madrid, Spain

<sup>7</sup> Clínica Los Enebros, Madrid, Spain

<sup>8</sup> Hospital Gregorio Marañón, Madrid, Spain

17:30 - 17:37

### 17:30 - 18:30 - ROOM 5

#### Hemodynamics

Moderator - Nikolai Krivitski

Moderator - Pietro Ravani

### HIGH-FLOW AVF AND HEART FAILURE: COULD THE INDEXATION OF BLOOD FLOW RATE HAVE A ROLE IN THE IDENTIFICATION OF PATIENTS AT HIGHER RISK?

Pasquale Zamboli<sup>1</sup>, Sergio Lucà<sup>2</sup>, Silvio Borrelli<sup>1</sup>, Carlo Garofalo<sup>1</sup>, Maria Elena Liberti<sup>1</sup>, Mario Pacilio<sup>1</sup>, Giuseppe Palladino<sup>3</sup>, Massimo Punzi<sup>3</sup>

<sup>1</sup> Department of Nephrology, Second University of Naples, Naples, Italy

<sup>2</sup> Department of Cardiology, Incurabili Hospital, Naples, Italy

<sup>3</sup> Department of Nephrology, Ruggi D'Aragona Hospital, Salerno, Italy

17:40 - 17:47

### IS THERE A RELATIONSHIP BETWEEN ARTERIOVENOUS ACCESS FLOW AND CARDIOVASCULAR RISK FACTORS IN HAEMODIALYSIS PATIENTS?

Ivo Laranjinha<sup>1</sup>, Patrícia Matias<sup>1</sup>, Ana Azevedo<sup>1</sup>, Carina Ferreira<sup>1</sup>, Tiago Amaral<sup>1</sup>, David Navarro<sup>2</sup>, Inês Aires<sup>2</sup>, Célia Gil<sup>1</sup>, Aníbal Ferreira<sup>2</sup>

<sup>1</sup> Dialverca Dialysis Clinic, Forte Da Casa, Portugal

<sup>2</sup> Nephrocure – Vila Franca de Xira, Vila Franca De Xira, Portugal

15:30 - 15:37

### MULTIDISCIPLINARY APPROACH TO THE MANAGEMENT OF HAEMODIALYSIS PATIENTS WITH AUTOGENOUS ARTERIO-VENOUS FISTULA

Rose Ross, John Nagy, Stuart Suttie, Graeme Houston, Gareth Griffiths Hospital, Dundee, United Kingdom

15:40 - 15:47

### DOPPLER ULTRASOUND: A POWERFUL TOOL FOR HAEMODIALYSIS VASCULAR ACCESS

Maria Guedes Marques<sup>1</sup>, José Ibeas<sup>2</sup>, Carlos Botelho<sup>1</sup>, Pedro Maia<sup>1</sup>, Pedro Ponce<sup>3</sup>

<sup>1</sup> Vascular Access Center of Nephrocure, Coimbra, Portugal

<sup>2</sup> Nephrology department of Hospital Parc Taulí, Sabadell, Spain

<sup>3</sup> Vascular Access Center of Nephrocure, Lisboa, Portugal

17:50 - 17:57

### IS THERE HIGH FLOW ARTERIOVENOUS (AV) ACCESSES ASSOCIATED WITH WORSE HAEMODIALYSIS?

Ivo Laranjinha<sup>1</sup>, Patrícia Matias<sup>1</sup>, Ana Azevedo<sup>1</sup>, David Navarro<sup>2</sup>, Carina Ferreira<sup>1</sup>, Tiago Amaral<sup>1</sup>, Inês Aires<sup>2</sup>, Célia Gil<sup>1</sup>, Aníbal Ferreira<sup>2</sup>

<sup>1</sup> Dialverca, Dialysis Clinic, Forte Da Casa, Portugal

<sup>2</sup> Nephrocure Vila Franca de Xira, Dialysis Clinic, Vila Franca De Xira, Portugal

15:50 - 15:57

### ASSESSING PERCUTANEOUS TRANSLUMINAL ANGIOPLASTY RISK USING COLOR DOPPLER ULTRASONOGRAPHY.

Keiji Tabuchi<sup>1</sup>, Toshio Kobayashi<sup>2</sup>, Junko Kumagai<sup>3</sup>, Naoko Takahashi<sup>3</sup>

<sup>1</sup> Departments of Nursing Omachi Tsuchiya Clinic, Hiroshima, Japan

<sup>2</sup> Graduate School of Biomedical and Health Sciences, Hiroshima University, Japan, Hiroshima, Japan

<sup>3</sup> Departments of Internal Medicine, Omachi Tsuchiya Clinic, Hiroshima, Japan

18:00 - 18:07

### MODIFICATION OF CARDIAC HEMODYNAMICS OCCURRING AFTER HIGH FLOW REDUCTION BY PROXIMAL RADIAL ARTERY LIGATION OF RADIAL-CEPHALIC FISTULA FOR HAEMODIALYSIS

Jacopo Scrivano<sup>1</sup>, Laura Pettorini<sup>1</sup>, Teresa Rutigliano<sup>2</sup>, Giuseppino Massimo Ciavarella<sup>2</sup>, Luciano De Biase<sup>2</sup>, Giorgio Punzo<sup>1</sup>, Paolo Menè<sup>1</sup>, Nicola Pirozzi<sup>1</sup>



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## THURSDAY 16TH APRIL - FREE PAPER SESSION

	1 Department of Clinical and Molecular Medicine, Sapienza University, Nephrology Unit, Sant'Andrea Hospital, Rome., Rome, Italy 2 Department of Clinical and Molecular Medicine, Sapienza University, Cardiology Unit, Sant'Andrea Hospital, Rome., Rome, Italy	17:50 - 17:57	CATHETER-LOCKING OF TUNNLED CATHETERS FOR CHRONIC HEMODIALYSIS, COMPARISON OF THREE DIFFERENT INTERDIALYTIC REGIMENS Jose Luis Merino, Patricia Domínguez, Blanca Bueno, Luca Caserta, Cristina Pérez, Diego Tofiño, Jessica López, Yésica Amézquita, Beatriz Espejo, Alicia Gómez, Vicente Paraiso Hospital U del Henares, Coslada, Madrid, Spain
18:10 - 18:17	<b>VASCULAR ACCESS IN CARDIAC DYSFUNCTION UNDER 30% OF LEFT VENTRICULAR EJECTION FRACTION (LVEF&lt; 30%)</b> Tomohiro Nakamura, Morihiko Kondo, Norihisa Hosokawa Department of Vascular Surgery and Internal Medicine, Division of Nephrology, Rakuwakai Otowa Memorial Hospital, Kyoto, Japan	18:00 - 18:07	TUNNELLED CENTRAL VENOUS CATHETERS FOR HAEMODIALYSIS INSERTED BY ULTRASOUND IN A COUNTY HOSPITAL: FOUR YEARS OF EXPERIENCE Juan Carlos González-Oliva, Ramon Roca-Tey, Raul Darbas, Rosa Samon Guasch, Amparo Roda Safont, Omar Ibrik Ibrik, Jordi Viladoms Guerra Hospital de Mollet, Mollet Del Valles, Barcelona, Spain
18:20 - 18:27	<b>EFFECTS OF WALL SHEAR STRESS IN VENOUS NEointimal HYPERPLASIA OF ARTERIOVENOUS FISTULAE</b> Lan Jia, Hua Li Wang, Fang Wei, Bo Hai Yu, Zhi Lu, Bo Wang Institute of Urology & Key Laboratory of Tianjin, 2nd Affiliated Hospital of Tianjin Medical University, Tianjin, China	18:10 - 18:17	ADEQUACY OF HEMODIALYSIS WITH PALINDROME TUNNELED CATHETERS VS. ARTERIOVENOUS FISTULAS: A SINGLE-CENTER OBSERVATIONAL STUDY Pablo Molina, Marco Montomoli, Belén Vizcaíno, Nuria Martínez-Martínez, María J. Lidón, Sandra Beltrán, Cristina Castro-Alonso, Merce des González-Moya, José L. Górriz, Luis M. Pallardó Department of Nephrology. Dr Peset University Hospital, Valencia, Valencia, Spain
	<b>17:30 - 18:30 - Auditorium</b> <b>Hemodialysis Catheter (I)</b> Moderator - Michel Jadoul Moderator - Michele Mokrzycki		OUR EXPERIENCE IN COMPLEX HEMODIALYTIC CENTRAL VENOUS CATHETER'S INSERTION Giacomo Calcarà <sup>1</sup> , Domenico Patanè <sup>1</sup> , Stefania Giuffrida <sup>1</sup> , Paola Bisceglie <sup>1</sup> , Giuseppe L'Anfusa <sup>1</sup> , Pierantonio Malfa <sup>1</sup> , Walter Morale <sup>2</sup> , Giuseppe Seminara <sup>2</sup> , Domenico Di Landro <sup>2</sup> <sup>1</sup> Interventional Radiology, Cannizzaro Hospital, Catania, Italy <sup>2</sup> Nephrology and Dialysis, Cannizzaro Hospital, Catania, Italy
17:30 - 17:37	<b>FIBRIN SHEATH FORMATION AND INTIMAL THICKENING AFTER CATHETER PLACEMENT IN DOG MODEL: ROLE OF HEMODYNAMIC WALL SHEAR STRESS</b> Hua Li Wang, Ai Li Jiang, Fang Wei, Lan Jia, Zhi Lu, Bo Wang, Hong Ye Dong, Hai Bo Yu, Gui Jiang Sun, Jie Yang Department of Kidney Disease and blood purification, Institute of Urology & Key Laboratory of Tianjin, 2nd Affiliated Hospital of Tianjin Medical University, Tianjin, China	18:20 - 18:27	
17:40 - 17:47	<b>IS ROUTINE CHEST RADIOGRAPHY (CX-RAY) NECESSARY AFTER SONOGRAPHIC-GUIDED INSERTION OF PERMANENT CENTRAL VEIN CATHETER (CVC) FOR HAEMODIALYSIS (HD)?</b> J Kowalczyk, M Ragosin, M Kalonji, N Zinyenge The Glynnwood Hospital, Johannesburg, South Africa		



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## THURSDAY 16TH APRIL - FREE PAPER SESSION

	<b>17:45 - 18:30 - Room 6</b> <b>Endovascular treatment</b> Moderator - Dheeraj Rajan Moderator - Nicola Pirozzi	18:05 - 18:12	<b>DRUG-ELUTING BALLOON FOR THE TREATMENT OF FAILING DISTAL HEMODIALYTIC RADIO-CEPHALIC ARTERIOVENOUS FISTULAS: OUR EXPERIENCE IN TREATMENT OF JUXTA-ANASTOMOTIC STENOSIS</b> Stefania Giuffrida <sup>1</sup> , Domenico Patanè <sup>1</sup> , Giacomo Calcarà <sup>1</sup> , Paola Bisceglie <sup>1</sup> , Giuseppe L'Anfusa <sup>1</sup> , Pierantonio Malfa <sup>1</sup> , Walter Morale <sup>2</sup> , Giuseppe Seminara <sup>2</sup> , Domenico Di Landro <sup>2</sup>
17:45 - 17:52	<b>LONG TERM FOLLOW UP OF VENOUS ANEURYSM IN NATIVE ARTERIO-VENOUS FISTULA</b> Nc Liew, L Lee, Z Hanipah Department of Surgery, University Putra, Serdang, Selangor, Malaysia		<sup>1</sup> Interventional Radiology, Cannizzaro Hospital, Catania, Italy <sup>2</sup> Nephrology and Dialysis, Cannizzaro Hospital, Catania, Italy
17:55 - 18:02	<b>EARLY FAILURE OF AUTOGENOUS DISTAL ARTERIOVENOUS FISTULA DUE TO FOREARM ARTERY STENOSIS: ENDOVASCULAR TREATMENT</b> Jacopo Scrivano <sup>1</sup> , Emanuela Cordova <sup>1</sup> , Roberto Pirozzi <sup>2</sup> , Laura Pettorini <sup>1</sup> , Matteo Baldinelli <sup>3</sup> , Giorgio Punzo <sup>1</sup> , Paolo Menè <sup>1</sup> , Nicola Pirozzi <sup>1</sup>	18:15 - 18:22	<b>ANALYSIS OF THE 757 PTA CASES BY THE ULTRASONIC GUIDE FOR THE VASCULAR ACCESS OCCLUSION.</b> Masanori Wakabayashi Bousei the first Clinic, Shizuoka, Japan
	<sup>1</sup> Department of Clinical and Molecular Medicine, "Sapienza" University, Nephrology Unit, Sant'Andrea Hospital, Rome, Italy <sup>2</sup> Vascular and endovascular surgery, Casa di Cura Nuova ITOR, Rome, Italy <sup>3</sup> Nephrology and Dialysis Unit, INI Medicus, Rome, Italy	18:25 - 18:32	<b>REVASCULARIZATION OF CENTRAL VENOUS OCCLUSIONS WITH DEDICATED VENOUS STENTS TO SALVAGE OR CREATE UPPER EXTREMITY VASCULAR ACCESS</b> Niek Zonneveld, Rick De Graaf, Jorinde Van Laanen, Magda Van Loon, Jan Tordoir Maastricht University Medical Center, Maastricht, Netherlands, The



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## FRIDAY 17TH APRIL - FREE PAPER SESSION

**09:00 - 09:40 - Room 5**

### Vascular Access Care

Moderator - Maria Teresa Parisotto  
Moderator - Mariana Murea

09:00 - 09:07

**LAMINATE MEDICAL EXTERNAL SUPPORT TECHNOLOGY THAT IMPROVES VASCULAR ACCESS MATURATION RATES - FIRST PRESENTED INTERIM RESULTS**

Tammy Gilon  
Laminate Medical Technologies, Tel Aviv, Israel

09:10 - 09:17

**IMPROVING EDUCATION ACCESSIBILITY: INTRODUCTION OF A VASCULAR ACCESS E-LEARNING MODULE IN AUSTRALIA**

Monica Schoch<sup>1</sup>, Dianne Du Toit<sup>2</sup>, Frank Grainer<sup>3</sup>, Chanelle Osborne<sup>4</sup>, Justin Hamilton<sup>5</sup>, Debi Cowan<sup>6</sup>

<sup>1</sup> Deakin University, Geelong, Australia  
<sup>2</sup> Torres and Cape Hospital and Health Service, Thursday Island, Australia  
<sup>3</sup> Cairns and Hinterland Hospital and Health Service, Cairns, Australia  
<sup>4</sup> Northern NSW local health District, Lismore, Australia  
<sup>5</sup> Bairnsdale Regional Health Service, Bairnsdale, Australia  
<sup>6</sup> Central Coast Local Health Network, Newcastle, Australia

09:20 - 09:27

**PERSONAL SELF-CARE VASCULAR ACCESS**

Pilar Caro, Rosa Marchante, Raquel Amann, Ramon Delgado  
Clinica Ruber, Madrid, Madrid, Spain

09:30 - 09:37

**THE EFFECT OF A POSTOPERATIVE EXERCISE PROGRAM ON ARTERIOVENOUS FISTULA MATURITY: A RANDOMIZED CONTROLLED TRIAL**

Néstor Fontseré Baldellou<sup>1</sup>, Gaspar Mestres Alomar<sup>2</sup>, Xavier Yugueros Castellnou<sup>2</sup>, Tere sa Lopez Alonso<sup>1</sup>, Anna Yuguero Ortiz<sup>1</sup>, Vicenç Riambau Alonso<sup>2</sup>, Francisco Maduell Canals<sup>1</sup>, Federico Oppenheimer Salinas<sup>1</sup>

<sup>1</sup> Nephrology Department. Vascular Access Unit. Hospital Clinic, Barcelona, Spain

<sup>2</sup> Vascular Surgery Department. Vascular Access Unit. Hospital Clinic, Barcelona, Spain

12:00 - 12:12

**12:00 - 12:30 - Room 5**

### Hemodialysis Catheter (II)

Moderator - Pietro Ravani  
Moderator - Carlo Lomonte

**NEUTROLINT™, A CATHETER LOCK SOLUTION (CLS) WITH NO REPORTED HUMAN RESISTANCE, SIGNIFICANTLY REDUCES THE RATES OF INFECTION AND THROMBOSIS IN HEMODIALYSIS PATIENTS ENROLLED IN A POST-APPROVAL SURVEILLANCE STUDY**

Markus Hollenbeck<sup>1</sup>, Beate Iwig<sup>2</sup>, Michael Scholl<sup>2</sup>, Hendrik Schlee<sup>2</sup>, Nadim Abdul-Rahman<sup>2</sup>, Ralf Kuehn<sup>2</sup>, Christoph Wanner<sup>2</sup>

<sup>1</sup> Department of Nephrology and KfH Kidney Center, Knappschaftskrankenhaus, Bottrop, Germany

<sup>2</sup> Division of Nephrology, University Hospital, Wuerzburg, Germany

12:15 - 12:27

**REMOVAL OF STUCK CENTRAL VENOUS CATHETER: A SAFE AND RELIABLE METHOD**

Ilaria Fiorina<sup>1</sup>, Pietro Quaretti<sup>1</sup>, Franco Galli<sup>2</sup>, Lorenzo Paolo Moramarco<sup>1</sup>, Giacomo Forneris<sup>3</sup>, Giovanni Leati<sup>1</sup>, Riccardo Corti<sup>1</sup>, Alessandra Massoglia<sup>4</sup>

<sup>1</sup> Interventional Radiology Unit, IRCCS Policlinico San Matteo, Pavia, Italy

<sup>2</sup> Nephrology and Dialysis, IRCCS Fondazione Salvatore Maugeri, Pavia, Italy

<sup>3</sup> Nephrology and Dialysis, Ospedale Giovanni Bosco, Torino, Italy

<sup>4</sup> Nephrology and Dialysis, Ospedale Civile, Vigevano, Italy

15:00 - 15:07

**15:00 - 16:00 - Room 6**

### Vascular Access Creation (I)

Moderator - Guillermo Monux Ducajú  
Moderator - Teresa Moreno Sánchez

**TORONTO EXPERIENCE WITH THE HEMODIALYSIS RELIABLE OUTFLOW (HERO) GRaFTS; A SINGLE CENTRE EXPERIENCE**

Elisa Francesca Greco, Joyce Hunter, Common Andrew, Daniel Marcuzzi, Vikram Prabhudesai, Mark David Wheatcroft, Michael Anthony Moloney, Vernon Campbell St. Michael's Hospital, Toronto, Canada



## FRIDAY 17TH APRIL - FREE PAPER SESSION

15:10 - 15:17	<b>ARTERIOVENOUS FISTULA WITH SUPERFICIALIZED BRACHIAL ARTERY IS AN EFFECTIVE VASCULAR ACCESS IN HIGH-RISK PATIENTS FOR FISTULA IMMATURITY</b> Masaaki Murakami, Tomomi Ueda, Shigenori Yamamoto, Noriko Mori Shizuoka General Hospital, Shizuoka City, Japan	15:50 - 15:57	<b>USEFULNESS OF MAPPING FOR FISTULA CREATION IN HIGH RISK PATIENTS. CONTROLLED STUDY OF 334 CASES WITH 5 YEARS FOLLOW UP</b> Sara Rioja <sup>1</sup> , Joaquim Vallespin <sup>1</sup> , Nuria Cordoba <sup>1</sup> , Jana Merino <sup>1</sup> , Jose Ramon Fortuño <sup>2</sup> , Eva Criado <sup>2</sup> , Juan Valeriano <sup>3</sup> , Ivon Bobadilla <sup>3</sup> , Jose Cejas <sup>4</sup> , Carmen Cabre <sup>5</sup> , Xavier Vinuesa <sup>6</sup> , Alexis Mateo <sup>2</sup> , Carmen Moya <sup>6</sup> , A Rodriguez-Jornet <sup>6</sup> , Antonio Gimenez <sup>1</sup> , Manuel Garcia <sup>6</sup> , Jose Ibeas <sup>6</sup>
15:20 - 15:27	<b>FOGARTY CATHETER IN HEMODIALYTIC ARTERO-VENOUS FISTULA'S SURGICAL CONFECTION: OUR EXPERIENCE, EARLY AND PRIMARY FAILURE</b> Walter Morale <sup>1</sup> , Domenico Patanè <sup>2</sup> , Stefania Giuffrida <sup>2</sup> , Giuseppe Seminara <sup>1</sup> , Giacomo Calcara <sup>2</sup> , Paola Bisceglie <sup>2</sup> , Giuseppe L'Anfusa <sup>2</sup> , Pierantonio Malfa <sup>2</sup> , Domenico Di Landro <sup>1</sup> <sup>1</sup> Nephrology and Dialysis, Cannizzaro Hospital, Catania, Italy <sup>2</sup> Interventional Radiology, Cannizzaro Hospital, Catania, Italy		<sup>1</sup> Vascular Surgery Department, Parc Tauli Sabadell, Hospital Universitari, Barcelona, Spain <sup>2</sup> Interventional Radiology Department – UDIAT, Parc Tauli Sabadell, Hospital Universitari, Barcelona, Spain
15:30 - 15:37	<b>COMPARATIVE OUTCOMES OF PRIMARY NATIVE FISTULAS TO GRAFTS IN EXTREMELY OLD PATIENTS</b> Hyunsoo Kim Seoul National University Hospital, Seoul, Korea		<sup>3</sup> Nephrology Department, University Hospital Son Espases, Palma de Mallorca, Palma de Mallorca, Spain <sup>4</sup> Nephrology Department, Hospital Universitario de Canarias, Santa Cruz De Tenerife, Spain
15:40 - 15:47	<b>PREDICTION THE MATURATION OUTCOME OF THE RADIOCEPHALIC ARTERIOVENOUS FISTULAS BASED ON MORPHOLOGICAL AND FUNCTIONAL PARAMETERS OF BLOOD VESSELS</b> Tamara Jemcov <sup>1</sup> , Igor Koncar <sup>2</sup> , Marko Dragas <sup>2</sup> , Nikola Ilic <sup>2</sup> , Ilija Kuzmanovic <sup>2</sup> , Andreja Dimic <sup>2</sup> , Nenad Jakovljevic <sup>2</sup> , Lazar Davidovic <sup>2</sup> , Milan Radovic <sup>1</sup> <sup>1</sup> Clinic of Nephrology, Clinical Center of Serbia, Belgrade, Serbia and Montenegro <sup>2</sup> Clinic of Vascular and Endovascular Surgery, Clinical Center of Serbia, Belgrade, Serbia and Montenegro		<sup>5</sup> Nephrology Department, University Hospital Juan XXIII, Tarragona, Tarragona, Tarragona, Spain <sup>6</sup> Nephrology Department, Parc Tauli Sabadell, Hospital Universitari, Barcelona, Barcelona, Spain



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## FRIDAY 17TH APRIL - FREE PAPER SESSION

17:30 - 18:40 - Room 5	Vascular Access Creation (II)	18:10 - 18:17	THE IMPACT OF ULTRASOUND VEIN MAPPING ON OUTCOMES FROM ARTERIOVENOUS FISTULAE
	Moderator - Pierre Bourquelot		Emma Aitken, Ram Kasthuri, David Kingsmore
	Moderator - Gaspar Mestres		Western Infirmary, Glasgow, United Kingdom
17:30 - 17:37	EARLY CANNULATION GRAFT FOR REDUCTION OF CENTRAL VENOUS CATHETERS	18:20 - 18:27	VASCULAR ACCESS TYPES IN PATIENTS STARTING HEMODIALYSIS WITH FAILED KIDNEY TRANSPLANTS: A RETROSPECTIVE ANALYSIS
	Matteo Tozzi <sup>1</sup> , Marco Franchin <sup>1</sup> , Giuseppe Letto <sup>1</sup> , Luca Quarti <sup>2</sup> , Carlo Jovane <sup>3</sup> , Fara Rostami Zarabbi <sup>2</sup> , Patrizio Castelli <sup>2</sup>		Naveed Ul Haq, Mohammed Mahdi Althaf, Mohamed Said Abdelsalam, Abdulrahman Ali Khormi, Hassan Al Harbi, Mamdouh Nasser Albaqumi, Khalid Al Meshari, Lutfi Abdullah Korbi, Hassan Ali Aleid
	<sup>1</sup> University of Insubria, Varese, Italy		King Faisal Specialist Hospital & Research Center, Riyadh, Saudi Arabia
	<sup>2</sup> University of Insubria, Varese, Italy		
	<sup>3</sup> Azienda Ospedaliera S. Antonio, Gallarate, Italy		
17:40 - 17:47	VASCULAR ACCESS IN THE OBESE: SUPERFICIALISATION OF NATIVE RADIO-CEPHALIC AND BRACHIO-CEPHALIC FISTULAE	18:30 - 18:37	EFFECT OF TRANSDERMAL NITROGLYCERIN ON NEWLY CREATED ARTERIOVENOUS FISTULA FOR HEMODIALYSIS
	Richard P T Evans, L Meecham, P Buxton, P Kaur, J Legge, L Papp, O Ehsan, A D Pherwani		P Paul Zachariah, George Kurian, Rajesh R. Nair, Anil Mathew
	University Hospital of North Midlands, Stoke On Trent, United Kingdom		Department of Nephrology, Amrita School of Medicine, Amrita Institute of Medical Sciences and Research Centre, Amrita Vishwa Vidyapeetham, Kochi, Kerala, India
17:50 - 17:57	INTERMEDIATE RESULTS OF USING SPIRAL FLOW AV GRAFT: IS IT A BREAKTHROUGH SOLUTION TO A DIFFICULT PROBLEM?		
	Hosam F El Sayed		
	Houston Methodist Hospital, Houston, United States		
18:00 - 18:07	ARTERIAL STIFFNESS CORRELATES WITH ARTERIOVENOUS FISTULA OUTCOMES		
	Damian McGrogan <sup>1</sup> , Mark Jesky <sup>1</sup> , Paul Cockwell <sup>1</sup> , Stephanie Stringer <sup>1</sup> , Nicholas Inston <sup>2</sup>		
	<sup>1</sup> University Hospitals Birmingham, Queen Elizabeth, Birmingham, United Kingdom		
	<sup>2</sup> University Hospitals Birmingham, Queen Elizabeth, Birmingham, United Kingdom		



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## SATURDAY 18TH APRIL - FREE PAPER SESSION

### 11:30 - 12:00 - Room 6

#### Vascular Access Care

Moderator - Arif Asif

Moderator - Enrique Gruss

11:30 - 11:37

#### IMPLEMENTATION OF THE BUTTONHOLE PUNCTURE TECHNIQUE FOR VASCULAR ACCESS IN A HEMODIALYSIS UNIT: RESULTS AND ASSESSMENT OF THE PATIENTS

Laura Baena, Jose Luis Merino, Blanca Bueno, Yésika Amézquita, Beatriz Martín, Alicia Marcos, Beatriz Espejo, Alicia Gómez, Vicente Paraíso

Hospital U del Henares, Coslada. Madrid, Spain

11:40 - 11:47

#### REAL TIME ULTRASOUND GUIDED TO HELP DIFFICULT ARTERIOVENOUS FISTULAS CANCELLATION FOR HEMODIALYSIS SESSION

Rahil Mohamed Amine, Chenag Belkacem, Almi Lezzhar, Benzamamouche Kenza, Benacha S, Merzoug Rabeah

Nephrology and dialysis unit , Bachir Ben nacer Hospital, Biskra, Algeria

11:50 - 11:57

#### BUTTONHOLE AS THE TECHNIQUE TO AVOID THE LOSS OF COMPLEX VASCULAR ACCESS: 5 YEARS OF FOLLOW UP

Ruben Iglesias<sup>1</sup>, X Vinuesa<sup>1</sup>, C Grau<sup>1</sup>, L Picazo<sup>1</sup>, A Liesa<sup>1</sup>, M Garcia<sup>1</sup>, Joaquim Vallespin<sup>2</sup>, J.R Fortuño<sup>3</sup>, José Ibeas<sup>4</sup>

<sup>1</sup> Nurse. Nephrology service. Parc Tauli Sabadell. Hospital Universitari, Barcelona, Spain

<sup>2</sup> Vascular Surgery Service. Parc Tauli Sabadell. Hospital Universitari, Barcelona, Spain

<sup>3</sup> Interventional Radiology Service. Parc Tauli Sabadell. Hospital Universitari, Barcelona, Spain

<sup>4</sup> Nephrology service. Parc Tauli Sabadell. Hospital Universitari, Barcelona, Spain

12:10 - 12:17

#### USE OF LONG-TERM CATHETERS IN JAPAN

Akira Miyata, Satoshi Hamanoue, Chiaki Kawabata, Ai Maekawa

Kumamoto Red Cross Hospital, Kumamoto, Japan

12:20 - 12:27

#### IMPACT ON VASCULAR ACCESS CARE AND SAFETY OF AN INTERVENTIONAL NEPHROLOGY PROGRAM IN AN ACADEMIC CENTER IN THE MIDDLE EAST

Naveed Ul Haq, Maram Abdulrahman Al-Banyan, Mohamed Said Abdelsalam, Mohammed Mahdi Althaf

King Faisal Specialist Hospital & Research Center, Riyadh, Saudi Arabia

12:30 - 12:37

#### CENTER-RELATED FACTORS ASSOCIATED WITH VASCULAR ACCESS USE IN GERMANY

Gero D. Von Gersdorff<sup>1</sup>, Mathias Schaller<sup>1</sup>, Dieter Bach<sup>2</sup>, Markus Hollenbeck<sup>3</sup>

<sup>1</sup> University Hospital of Cologne; Dpt. of Medicine II - QiN-group, Cologne, Germany

<sup>2</sup> KfH-Curatorium for Dialysis and Kidney Transplantation, Neu-Isenburg, Germany

<sup>3</sup> Knappschaftskrankenhaus and KfH-kidney center, Bottrop, Germany

#### THE 12-MONTH PATENCY RATE AFTER A FIRST PTA FOR FAILED ARTERIOVENOUS FISTULA: COMPARISON BETWEEN LOW-PRESSURE AND HIGH-PRESSURE BALLOON DILATION (YOROI STUDY)

Shigehiro Doi<sup>1</sup>, Toru Kawai<sup>2</sup>, Yasufumi Kyuden<sup>3</sup>, Takayuki Naito<sup>4</sup>, Mariko Asai<sup>5</sup>, Shunsuke Takahashi<sup>6</sup>, Masaaki Murakami<sup>7</sup>, Takao Masaki<sup>1</sup>

<sup>1</sup> Hiroshima University Hospital, Hiroshima, Japan

<sup>2</sup> Chuo Naika Clinic, Kure, Japan

<sup>3</sup> Kure Kyosai Hospital, Kure, Japan

<sup>4</sup> Hiroshima Prefectural Hospital, Hiroshima, Japan

<sup>5</sup> Harada Hospital, Hiroshima, Japan

<sup>6</sup> Kure Medical Center, Kure, Japan

<sup>7</sup> Shizuoka General Hospital, Shizuoka, Japan

### 12:00 - 13:00 - Room 6

#### Quality Indicators

Moderator - Cristina López

Moderator - Timmy Lee

12:50 - 12:57

#### A NOVEL CLASSIFICATION SYSTEM FOR AUTOGENOUS ARTERIOVENOUS FISTULA ANEURYSMS IN RENAL ACCESS PATIENTS

Domenico Valenti, Hiren Mistry, Matthew

Stephenson

Department of Vascular Surgery King's College Hospital, London, United Kingdom

12:00 - 12:07

#### EVOLUTION OF VASCULAR ACCESS MANAGEMENT IN ITALY: COMPARISON OF TWO SURVEYS FIFTEEN YEARS APART

Decenzio Bonuccchi<sup>1</sup>, Lucia Palmieri<sup>2</sup>, Silvia Arletti<sup>1</sup>, Gianni Cappelli<sup>2</sup>, Carlo Lomonte<sup>3</sup>, Massimo Lodi<sup>3</sup>, Mario Meola<sup>3</sup>, Monica Spina<sup>3</sup>, Marcello Napoli<sup>3</sup>

<sup>1</sup> Nefrologia Area Nord, Carpi (Mo), Italy

<sup>2</sup> Nefrologia Dialisi e Trapianto Renale, Modena, Italy

<sup>3</sup> GDSAV-SIN, Roma, Italy



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## POSTER SESSION

### Vascular Access Care

**01**

#### PLASTIC HAEMODIALYSIS CANNULA: IS THIS THE ALTERNATIVE TO STEEL NEEDLES WE HAVE BEEN WAITING FOR?

**Frank Grainer<sup>1</sup>, Dianne Du Toit<sup>2</sup>, Brendon L. Neuen<sup>3</sup>, Richard Baer<sup>4</sup>**

<sup>1</sup> Department of Nephrology, Cairns and Hinterland Hospital and Health Service, Cairns, Australia

<sup>2</sup> Renal Unit, Torres and Cape Hospital and Health Service, Thursday Island, Australia

<sup>3</sup> Department of Medicine, Cairns Base Hospital, Cairns, Australia

<sup>4</sup> Department of Nephrology, Logan Hospital, Queensland Australia, Brisbane, Australia

**02**

#### VASCULAR ACCESS (VA) NEEDLING THROUGH CATHETER-FISTULA: EFFECT ON PAIN AND HEMODIALYSIS (HD) ADEQUACY

**Raul Darbas Barbe**

Fundación Sanitaria Mollet, Mollet Del Valles, Barcelona, Spain

**03**

#### NURSING REPORT FOR VASCULAR ACCESS ON HEMODIALYSIS: MONITORING AND SURVEILLANCE

**Ana M<sup>a</sup> García Pérez, M<sup>a</sup> Dolores Ojeda Ramirez, David Ojeda Ramirez, Sonia García Hita, Inmaculada Caro Rodriguez, Rocío Fernández Palenzuela, Rocío González Martínez, Sergio García Marcos**

Apes Hospital De Poniente, El Ejido, Almería, Spain

**04**

#### IMPORTANCE OF TRAINING IN VASCULAR ACCESS TO PATIENT IN HHD: CONTINUITY OF CARE

**M<sup>a</sup> Dolores Ojeda Ramirez, David Ojeda Ramirez, Inmaculada Caro Rodríguez, Sonia García Hita, Sergio García Marcos, Ana M<sup>a</sup> García Pérez**

Apes Hospital De Poniente, El Ejido, Almería, Spain

**05**

#### WING'S FOR ARTERIOVENOUS FISTULAS WITH CANNULATING PROBLEMS

**Frank Van Hoek, Maria Cruijsen-Cuppen, Henk Van Hamersveld**

Radboudumc, Nijmegen, The Netherlands

**06**

#### SEVEN DEADLY SINS IN DIALYSIS ACCESS

**Steffen Ellebaek Petersen**

Aarhus University Hospital Skejby, Access Clinic, Aarhus N, Denmark

**07**

#### CARE OF THE VASCULAR ACCESS PRE AND POST OPERATION

**Monika Inger Dubeck**

Dialysis Region Gävleborg, Gävle, Sweden

### Clinical Cases

**08**

#### DEXTROCARDIA AND TUNNELED CENTRAL VENOUS CATHETER FOR HAEMODIALYSIS

**Albert C. Goh, Debbie A. Kragge**

Royal North Shore Hospital, Sydney, Australia

**09**

#### ONE STEAL SYNDROME.....TWO PROBLEMS

**Ivo Laranjinha, Sara Querido, Hernâni Gonçalves, Flora Sofia, António Patrício, Sequeira Andrade**

Centro Hospitalar do Médio Tejo, Nephrology, Torres Novas, Portugal

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#### CASE REPORT: ILIAC VEIN PATCH ANGIOPLASTY TO ACCOMMODATE PTFE LEG AV FISTULA FOR RESCUE VASCULAR ACCESS

**Lewis Meecham, George Kirby, Richard P. Evans, Pauline Buxton, Jocelyn Legge, Sriram Rajagopalan, Arun D. Pherwani**

UHNM, Stoke-On-Trent, United Kingdom

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#### EXPERIENCE WITH BALLOON CATHETER "NSE"

**Tomonaga Noguchi**

Yokohama Daiichi Hospital, Yokohama, Japan

**12**

#### TUNNLED TRACT OF LONG TERM CATHETER FROM THE ELBOW TO RIGHT JUGULAR VEIN TO AVOID A BILATERAL PAINFUL GYNECOMASTIA

**Rahil Mohamed Amine, Chenag Belkacem, Almi Lezzhar, Benzamouche Kenza, Benaicha S., Merzoug Rabeh**

Nephrology and Dialysis Unit, Bachir Ben Nacer Hospital, Biskra, Algeria

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#### PSEUDOANEURYSM BURSTING OUT THE SKIN IN NATIVE ARTERIO-VENOUS FISTULA

**Rahil Mohamed Amine<sup>1</sup>, Chenag Belkacem<sup>1</sup>, Almi Lezzhar<sup>1</sup>, Benzamouche Kenza<sup>1</sup>, Benaicha S.<sup>1</sup>, Bouzidi Abdelmalek<sup>2</sup>, Boudissa Riadh<sup>2</sup>, Boukherbach Yazid<sup>2</sup>**

<sup>1</sup> Nephrology and Dialysis Unit, Bachir Ben Nacer Hospital, Biskra, Algeria

<sup>2</sup> General Surgery Unit, Bachir Ben Nacer Hospital, Biskra, Algeria



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## TWO CASES OF CAFFED CATHETERS PROLAPSING IN THE ME-DIASTINUM

**Shina Sueki**, Katsuomi Matsui, Tsutomu Sakurada, Yuichi Sato, Yugo Shibagaki

St Marianna University School of Medicine, Kawasaki, Japan

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## THE USAGE OF THROMBIN IN CASE OF PSEUDOANEURYSM AFTER PUNCTURING OF FISTULAE

**Laszlo Kosztyu**

Department of Surgery, Hudiksvall, Sweden

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## PROSTHETIC REINFORCEMENT OF VENOUS ANEURYSMORRHAPHY IN THE MANAGEMENT OF AN ANEURYSMAL FISTULA WITH PERSISTENT CENTRAL VENOUS STENOSIS

**Diane R. Hildebrand**, Philip Jenkinson, Alasdair Wilson, Michael Sharp

Department of Vascular Surgery, Aberdeen Royal Infirmary, Aberdeen, United Kingdom

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## AGGRESSIVE ENDOVASCULAR TREATMENT OF A BRACHIAL-AXILLARY GRAFT THROMBOSIS

**Javier Rio Gomez**, Luis Reparaz Asensio

HGU Gregorio Marañon, Madrid, Spain

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## HYBRID OPERATING ROOM. LEADING-EDGE TECHNOLOGY IN THE TREATMENT OF COMPLICATIONS OF THE VASCULAR ACCESS

**A. Pecchio**, G. Berardi, A. Viazza, M. Ferri, E. Ferrero, P. Cumbo, S. Piazza, D. Psacharopulo, F. Nessi

Mauriziano Umberto I Hospital, Turin, Italy

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## DELAYED FRACTURED STENT – WHAT NEXT ?

**P. Paul Zachariah**, George Kurian, Rajesh R. Nair, Anil Mathew

Department of Nephrology, Amrita School of Medicine, Amrita Institute of Medical Sciences and Research Centre, Amrita Vishwa Vidyapeetham, Kochi, Kerala, India

## Catheters

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## SUCCESSFUL SWITCH TO SAFETY – SOUTH AFRICAN EXPERIENCE WITH A NEW PASSIVE SAFETY PERIPHERAL INTRAVENOUS CATHETER

**Arthur Rantloane<sup>1</sup>**, Taryn-Lee Willcock<sup>2</sup>, Karl Botman<sup>1</sup>, Martina Mafisa<sup>1</sup>, Judith Brits<sup>1</sup>, Mandisa Kalipa<sup>1</sup>, Andile Mazibuko<sup>1</sup>, Montselisi Mbeki<sup>2</sup>, Bhavini Bawa<sup>2</sup>, Vivek Mooruth<sup>2</sup>, Eugene Kelly<sup>2</sup>, Anisah Mamoojee<sup>2</sup>, Laura E. Seiberlich<sup>3</sup>, Laurie A. Yunker<sup>3</sup>

<sup>1</sup> Steve Biko Academic Hospital, Pretoria, South Africa

<sup>2</sup> Charlotte Maxeke Hospital, Johannesburg, South Africa

<sup>3</sup> Smiths Medical, ASD, Inc., St. Paul, United States

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## ANALYSIS OF SURVIVAL OF OLDER PATIENTS WITH ILLAC VEIN TUNNELED CUFFED CATHETERS ON MAINTAINED HEMODIALYSIS

**Li Hua Wang**, Ai Li Jiang, Fang Wei, Hai Yan Chen, Gui Jiang Sun, Xue Qing Bi

Institute of Urology & Key Laboratory of Tianjin, 2nd Affiliated Hospital of Tianjin Medical University, Tianjin, China

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## COMPLICATIONS OF PERCUTANEOUS PLACEMENT OF TUNNELED DIALYSIS CATHETERS: OUTCOME A SINGLE CENTER

**Andrey Yankovoy**, Alexandr Sinutin, Vadim Stepanov

Moscow Regional Institut, Moscow, Russia

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## RISK FACTOR ANALYSIS FOR TUNNELED CATHETER INFECTION ON HEMODIALYSIS – FIVE-YEAR ONE CENTER EXPERIENCE

**Andrey Yankovoy**, Alexandr Sinutin, Vadim Stepanov, Konstantin Korchunov

Moscow Regional Clinical Institut, Moscow, Russia

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## OUTCOME OF A SERIES OF FORTY TUNNELLED HEMODIALYSIS CATHETERS INSERTED THROUGH THE COMMON FEMORAL VEIN

**Manuel Pacheco<sup>1</sup>**, Teresa Moreno<sup>1</sup>, Alejandro Pascagaza<sup>2</sup>, Florian Moreno<sup>1</sup>

<sup>1</sup> Department of Radiology, Interventional Radiology Unit, Hospital Juan Ramón Jiménez, Huelva, Huelva, Spain

<sup>2</sup> Department of Radiology, Hospital Juan Ramón Jiménez, Huelva, Huelva, Spain



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## POSTER SESSION

**25**

EFFECTIVENESS OF SYSTEMIC ANTIBIOTIC THERAPY ASSOCIATED WITH ANTIBIOTIC LOCK THERAPY IN THE TREATMENT OF CENTRAL VENOUS CATHETER-RELATED BACTEREMIA PERMANENT (CRBSI) HEMODIALYSIS: RESULTS OF A COHORT STUDY

**Salvatore Mandolfo<sup>1</sup>, Raffaella Bucci<sup>1</sup>, Milena Maggio<sup>1</sup>, Sabrina Borlandelli<sup>1</sup>, Bruno Corradi<sup>1</sup>, Pablo Cosci<sup>1</sup>, Marco Farina<sup>1</sup>, Girolamo Arrigo<sup>2</sup>**

<sup>1</sup> Renal Unit - Ospedale Maggiore, Lodi, Italy

<sup>2</sup> San Carlo Borromeo, Milano, Italy

**26**

REPLACEMENT OF TUNNELLING HEMODIALYSIS CATHETERS USING A DIFFERENT TUNNEL: A NEW PROCEDURE TO CHANGE MAL-FUNCTIONING CATHETERS

**Teresa Moreno Sánchez<sup>1</sup>, Jose Javier Echevarria Uraga<sup>2</sup>, Jose Luis Miguelez Vidales<sup>2</sup>, Manuel Pacheco Jiménez<sup>1</sup>, Nerea García Garaí<sup>2</sup>, Florian Moreno Rodríguez<sup>3</sup>**

<sup>1</sup> Hospital Juan Ramón Jiménez, Huelva, Huelva, Spain

<sup>2</sup> Hospital Galdakao-Usansolo, Bizkaia, Vizcaya, Spain

<sup>3</sup> Hospital Juan Ramón Jiménez, Huelva, Huelva, Spain

**27**

COMPLICATIONS OF TUNNELLING-CATHETERS FOR HAEMODIALYSIS OUR EXPERIENCE

**Maria Dolores Ferrer-Puchol, Raquel Ramiro, Alicia Cervera, Elena García Oliver, Pau Montesinos, Enrique Esteban, Esther Taberner, Belén Alemany**

Hospital Universitario de la Ribera, Alzira, Valencia, Spain

**28**

THE PLACEMENT OF PERMANENT DUAL LUMEN DIALYSIS CATHETERS (PDLDC) INTO A CENTRAL VEIN WITH ONLY THE USE OF A GUIDE WIRE. THE EXPERIENCE OF A RENAL UNIT.

**Gerasimos Ioannis Bamichas, Christos Bantis, Armentzouli Karman, Stilianos Kostas Fragidis, Nikolaos Fistas, Ellada Tsantekidou, Taisir Natse**

G. Papanikolaou Hospital, Thessaloniki, Greece

**29**

THE CENTRAL VENOUS TUNNELLING CATHETER IN HAEMODIALYSIS: FIRST TUNISIAN EXPERIENCE

**Ben Kaab Badreddine, Kheder Rania, Jbali Héla, Lamouchi Med Ali, Smaoui Wided, Krid Madiha, Raies Lamia, Ben Fatma Lilia, Béji Soumeya, Zouaghi Med Karim, Ben Moussa Fatma**

Rabta Hospital, Tunis, Tunisia

**30**

REDUCED MANIPULATION OF HAEMODIALYSIS CATHETER PREVENTS INFECTION OF EXIT SITE

**Sergio Garcia-Marcos, María Dolores Ojeda Ramírez, Ana María García Pérez, Inés Pérez-Camacho, David Ojeda Ramírez, María Teresa Cabezas Fernández, Sonia García Hita**

Apes Hospital De Poniente, El Ejido, Almería, Spain

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POST-INSERTION ASSESSMENT AND FOLLOW-UP PROGRAMME OF TUNNELED CENTRAL VENOUS CATHETERS IN 2013, THE FIRST RESULTS

**Eva Czokolyova, Frantisek Lopot, Vladimir Polakovic**

General University Hospital in Prague, Internal Department Strahov, Prague, Czech Republic

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INFECTIOUS COMPLICATIONS RELATED TO CENTRAL VENOUS HEMODIALYSIS (HD) CATHETERS

**Zorica Dimitrijevic<sup>1</sup>, Snezana Aracki<sup>2</sup>, Aleksandra Aracki-Trenkic<sup>3</sup>**

<sup>1</sup> Clinic for Nephrology, Clinical Center Nis, Nis, Serbia and Montenegro

<sup>2</sup> Clinic for Nephrology, Clinical Center Nis, Serbia, Serbia and Montenegro

<sup>3</sup> Institute for Radiology, Clinical Center Nis, Nis, Serbia and Montenegro

**33**

HEMODIALYSIS TUNNELLING CENTRAL VENOUS CATHETERS: FIVE YEARS SINGLE CENTER EXPERIENCE

**Vesna Gerasimovska, Biljana Gerasimovska-Kitanovska, Aleksandar Sikole**

University Clinic of Nephrology, Medical Faculty, Skopje, Former Yugoslav Republic of Macedonia

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RETROSPECTIVE EVALUATION OF HEMODIALYSIS CATHETERS PLACED IN EMERGENCY IN A RENAL WARD

**Mouna M'Jabber, Ihssane Tazi**

University Hospital Ibnrochd of Casablanca, Casablanca, Morocco

**35**

SERRATIA MARCESCENS BACTERAEMIA IN HEMODYALYSIS PATIENTS WITH TUNNELLING CATHETERS DUE TO COLONIZATION OF ANTISEPTIC SOLUTION

**Jose Luis Merino<sup>1</sup>, Blanca Bueno<sup>1</sup>, M. Jose Pita<sup>2</sup>, Beatriz Espejo<sup>1</sup>, Alicia Gómez<sup>1</sup>, Vicente Paraíso<sup>1</sup>**

<sup>1</sup> Nephrology, Hospital U del Henares, Coslada, Madrid, Spain

<sup>2</sup> Preventive Medicine, Hospital U del Henares, Coslada, Madrid, Spain



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## OPTIMIZED CATHETER-RELATED BACTEREMIA IN DIALYSIS: 6-YEAR PROSPECTIVE STUDY USING ONLY UNIVERSAL MEASU- RES

**Ignacio Manzur**, Jose Ibeas, Jose Ramon Fortuño, Eva Criado, Xavier Vinuesa, Nuria Alonso, Elisabeth Uroz, Alexis Mateos, Sara Solé, Valle Gimeno, Carmen Moya, Angel Rodriguez-Jornet, Manuel García

Parc Taulí Sabadell, University Hospital, Barcelona, Spain

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## INFLUENCE OF VASCULAR ACCESS TYPE ON KEY CLINICAL AND LABORATORY PARAMETERS IN CHRONIC HAEMODIALYSIS PA- TIENTS

**Emanuel Ferreira<sup>1</sup>**, José Ibeas<sup>2</sup>, Cristina Silva<sup>3</sup>, Inês Vidal<sup>1</sup>, Pedro Veiga<sup>4</sup>, Nuno Afonso<sup>1</sup>, Ana Belmira<sup>3</sup>

<sup>1</sup> Nefrovales Dialysis Center, Coimbra, Portugal

<sup>2</sup> Hospital de Sabadell, Parc Taulí, Barcelona, Spain

<sup>3</sup> Pombaldial Dialysis Center, Pombal, Portugal

<sup>4</sup> Curva de Gauss-Research, Training and Consulting, Viseu, Portugal

## Other

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## INVESTIGATING THE INFLUENCE OF HEMODYNAMICS ON VASCU- LAR REMODELLING OF AN ARTERIOVENOUS FISTULA USING COM- PUTATIONAL FLUID DYNAMICS

**Leonard Browne<sup>1</sup>**, Khalid Bashar<sup>2</sup>, Stephen Broderick<sup>1</sup>, Philip Griffin<sup>1</sup>, Eamon Kavanagh<sup>2</sup>, Graeme Houston<sup>3</sup>, Michael Walsh<sup>1</sup>

<sup>1</sup> University of Limerick, Limerick, Ireland

<sup>2</sup> University Hospital Limerick, Limerick, Ireland

<sup>3</sup> University of Dundee, Dundee, United Kingdom

## Quality indicators

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## ARE EARLY CANNULATION ARTERIOVENOUS GRAFTS (ECAVG) A VIABLE ALTERNATIVE TO TUNNELED CENTRAL VENOUS CATHE- TERS (TCVCS)?: AN OBSERVATIONAL “VIRTUAL STUDY” AND HEALTH ECONOMIC ANALYSIS

**Emma Aitken**, Peter Thomson, David Kingsmore

Western Infirmary, Glasgow, United Kingdom

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## REDUCING SURGEON RADIATION EXPOSURE DURING DIALYSIS AC- CESS ANGIOPLASTY

**Shunsuke Takahashi<sup>1</sup>**, Ayumu Nakashima<sup>2</sup>, Asako Urabe<sup>1</sup>, Yosuke Osaki<sup>1</sup>, Takao Masaki<sup>2</sup>

<sup>1</sup> Nephrology, National Hospital Organization KURE Medical Center, Kure, Japan

<sup>2</sup> Nephrology, Graduate School of Biomedical Sciences, Hiroshima University, Hiroshima, Japan

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## ASSESSING UK TRENDS IN VASCULAR ACCESS IMAGING FOR HAE- MODIALYSIS PATIENTS – RESULTS FROM REDVASQI

**Aurangzaib Khawaja<sup>1</sup>**, Deirdre Cassidy<sup>2</sup>, Julien Al Shakarchi<sup>3</sup>, Da-  
mian McGrogan<sup>3</sup>, Robert G. Jones<sup>4</sup>, Nicholas Inston<sup>3</sup>

<sup>1</sup> Department of Renal Transplant Surgery & Vascular Access, Queen Elisabeth Hospital Birmingham, Birmingham, United Kingdom

<sup>2</sup> University of Dundee, Cardiovascular and Diabetes Medicine, Medical Research Institute, Dundee, United Kingdom

<sup>3</sup> Department of Renal Transplant Surgery & Vascular Access, Queen Elisabeth Hospital Birmingham, Birmingham, United Kingdom

<sup>4</sup> Department of Radiology, Queen Elisabeth Hospital Birmingham, Birmingham, United Kingdom

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## SYSTEMATIC REVIEW AND META-ANALYSIS OF VASCULAR ACCESS OUTCOMES IN ELDERLY PATIENTS

**Damian McGrogan**, Julien Al-Shakarchi, Aurangzaib Khawaja, Jay Nath, Mel Field, Nicholas Inston

University Hospitals Birmingham, Queen Elizabeth, Birmingham, United Kingdom

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## PREDICTION OF DIALYSIS GRAFTS LONG-TERM PATENCY

**Anna Valeranova**, Jaroslav Kudlicka, Jan Malik

3rd Department of Internal Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague, Prague, Czech Republic

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## HEMODIALYSIS QUALITY IN PATIENTS WITH TUNNELED CENTRAL VENOUS CATHETERS IN THE FIRST YEAR

**Dario Nakic**, Katica Bazdaric, Petra Grbic Pavlovic, Kristina Backov, Jelena Vucak Loncar

General Hospital Zadar, Zadar, Croatia



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**Tomonari Ogawa<sup>1</sup>, Yuki Kanayama<sup>2</sup>, Yusuke Sasaki<sup>2</sup>, Tota Kiba<sup>1</sup>, Taisuke Shimizu<sup>1</sup>, Akihiko Matsuda<sup>1</sup>, Hajime Hasegawa<sup>1</sup>**

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<sup>2</sup> Department of ME service, Saitama Medical Center, Saitama Medical University, Saitama, Japan

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Institute of Pediatric Oncology and Hematology, Moscow, Russia

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Ikeda Vascular Access Clinic, Fukuoka City, Japan

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Department of Nephrology, Faculty of Medicine, Toho University, Tokyo, Japan

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<sup>2</sup> Department of Radiology, Circolo University Teaching Hospital, University of Insubria School of Medicine, Varese, Italy

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Soonchunhyang Hospital, Seoul, Korea

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Hospital Clinic i Universitari, Barcelona, Barcelona, Spain

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<sup>2</sup> Nephrology and Dialysis, Cannizzaro Hospital, Catania, Italy

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<sup>2</sup> Yonsei University Hospital, Seoul, Korea

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<sup>2</sup> Department of Nephrology, Aarhus University Hospital Skejby, Aarhus, Denmark

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Department of Internal Medicine, College of Medicine, The Catholic University of Korea, Seoul, Korea

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<sup>4</sup> Umraniye Research and Training Hospital, Department of Nephrology, Istanbul, Turkey

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**Deirdre B. Cassidy<sup>1</sup>, Aurangzaib Khawaja<sup>2</sup>, Nicholas Inston<sup>2</sup>, Julien Alshakarchi<sup>2</sup>, Shona Matthew<sup>1</sup>, J. Graeme Houston<sup>3</sup>**

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BSUH NHS Trust, Brighton, United Kingdom

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University Clinic of Nephrology, Medical Faculty, Skopje, Former Yugoslav Republic of Macedonia

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PGIMER sector 12 Chandigarh, Chandigarh, India

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Hittit University Faculty of Medicine, Department of Cardiovascular Surgery, Corum, Turkey

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**Julien Al Shakarchi<sup>1</sup>, Aurangzaib Khawaja<sup>1</sup>, Deirdre B. Cassidy<sup>2</sup>, Graeme Houston<sup>2</sup>, Nicholas Inston<sup>1</sup>**

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<sup>2</sup> Nephrocare – Vila Franca de Xira, Vila Franca De Xira, Portugal

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**Aurangzaib Khawaja<sup>1</sup>, Deirdre B. Cassidy<sup>2</sup>, Julien Alshakarchi<sup>1</sup>, Damian McGrogan<sup>1</sup>, Nicholas Inston<sup>1</sup>, Robert G. Jones<sup>3</sup>**

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Department of Internal Medicine, College of Medicine, The Catholic University of Korea, Seoul, Korea

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## VASCULAR ACCESS MANAGEMENT USING ULTRASONOGRAPHY DURING HEMODIALYSIS

**Toru Kawai<sup>1</sup>, Shigehiro Doi<sup>2</sup>, Teruhiko Miyamoto<sup>1</sup>, Yoshie Kusano<sup>1</sup>, Chikako Ueda<sup>1</sup>, Atushi Kawai<sup>1</sup>, Takao Masaki<sup>2</sup>**

<sup>1</sup> Chuou Naika Clinic, Kure, Japan

<sup>2</sup> Department of Nephrology, Hiroshima University Hospital, Hiroshima, Japan

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**José Carneiro Oliveira, V. Esteve Simó, M. Fulquet Nicolas, M. Pou Potau, V. Duarte Gallego, A. Saurina Sole, F. Moreno Guzman, I. Tapia Gonzalez, M. Ramirez De Arellano**

Consorti Sanitari de Terrassa, Terrassa, Spain



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## POSTER SESSION

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Ewa Weber<sup>1</sup>, Tomasz Liberek<sup>1</sup>, Wojciech Wolyniec<sup>2</sup>, Boleslaw Rutkowski<sup>1</sup>

<sup>1</sup> Department of Nephrology, Transplantology and Internal Medicine, Medical University of Gdańsk, Gdańsk, Poland

<sup>2</sup> Department of Occupational and Internal Medicine, Medical University of Gdańsk, Gdańsk, Poland

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Klinik für Gefäßchirurgie, Dominikus-Krankenhaus, Düsseldorf, Germany

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Kawashima Hospital, Department of Kidney Disease, Tokushima City, Japan

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Centro Hospitalar de Setúbal, Setúbal, Portugal

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Consorti Sanitari de Terrassa, Terrassa, Barcelona, Spain

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Davut Akin<sup>1</sup>, Sehmus Ozmen<sup>2</sup>, Ramazan Kaya<sup>3</sup>

<sup>1</sup> Denizli State Hospital, Nephrology, Denizli, Turkey

<sup>2</sup> Artuklu University, High School of Health, Nephrology, Mardin, Turkey

<sup>3</sup> Mardin Nusaybin state hospital, internal Medicine, Mardin, Turkey

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<sup>1</sup> Sinshu University School of Medicine Department of Nephrology, Matsumoto, Japan

<sup>2</sup> Sinshu University School of Medicine Department of Nephrology, Nagano, Japan

<sup>3</sup> Kanno dialysis and vascular access clinic, Nagano, Japan

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University Hospital of Aarhus, Aarhus, Denmark

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East Lancashire Vascular unit - Royal Blackburn Hospital, Blackburn, United Kingdom

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Rabta University Hospital, Tunis, Tunisia



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**Matteo Tozzi, Marco Franchin, Luca Quarti, Gabriele Soldini, Patri-zio Castelli, Gabriele Piffaretti**

Vascular Surgery, Department of Surgery and Morphological Sciences, Circolo University Teaching Hospital, University of Insubria School of Medicine, Varese, Italy

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**Mouna M'Jabber, Mayss Altorayhi**

Hospital Uuniversity IBN Rochd of Casablanca, Casablanca, Morocco

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Hospital Uuniversity IBN Rochd of Casablanca, Casablanca, Morocco

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University Clinic of Nephrology, Skopje, Former Yugoslav Republic of Macedonia

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Haemodialysis Unit, Nephrocure Montijo, Montijo, Portugal

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**Rose Ross<sup>1</sup>, John Nagy<sup>1</sup>, Stuart Suttie<sup>1</sup>, Graeme Houston<sup>1</sup>, Gareth Griffiths<sup>2</sup>**

<sup>1</sup> Hospital, Dundee, United Kingdom

<sup>2</sup> Graeme Houston Hospital, Dundee, United Kingdom

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**Andrej Isaak<sup>1</sup>, Stephane Schlunke<sup>2</sup>, Peter Stierli<sup>1</sup>, Thomas Wolff<sup>1</sup>, Lorenz Gürke<sup>1</sup>**

<sup>1</sup> University Hospital Basel, Basel, Switzerland

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# VAS CONGRESS LUNCH SESSIONS - LIMITED ATTENDANCE

## THURSDAY 16TH APRIL



13:30 – 15:00

ROOM 5

Novel Catheter Technology for Improved Hemodialysis Outcomes

- 13:30 – 13:50      Introduction to the Palindrome Portfolio  
**Dr Michael Tal (moderator)**  
14:00 - 14:20      Palindrome Clinical Evidence  
**Dr Hans Van Der Meersch**  
14:30 - 14:50      Insertion Benefits & New Precision Tip  
**Dr Roberto Palumbo**  
14:55                Closing word Covidien



13:30 – 15:00

ROOM 3

Dialysis catheters: Clinical challenges  
Bard Access solution: Glidepath: easiness and performance

- Surgical placement of chronic dialysis catheters  
**Dr. Fernandez, Granada, Spain**  
Solutions to practical challenges:  
Bard Access R&D perspective: it is about innovation.  
**Mr. German Loesener, Salt Lake City, USA**

## FRIDAY 17TH APRIL



13:30 – 15:00

ROOM 5

Vascular Access: a 360° approach!

- The Economics of Fistula First!  
**Guido Giordana**  
The Good the Bad and the Villain  
**Pedro Ponce**  
Care Protect Preserve Patient's Lifeline.  
**Maria Teresa Parisotto**



13:30 – 15:00

ROOM 3

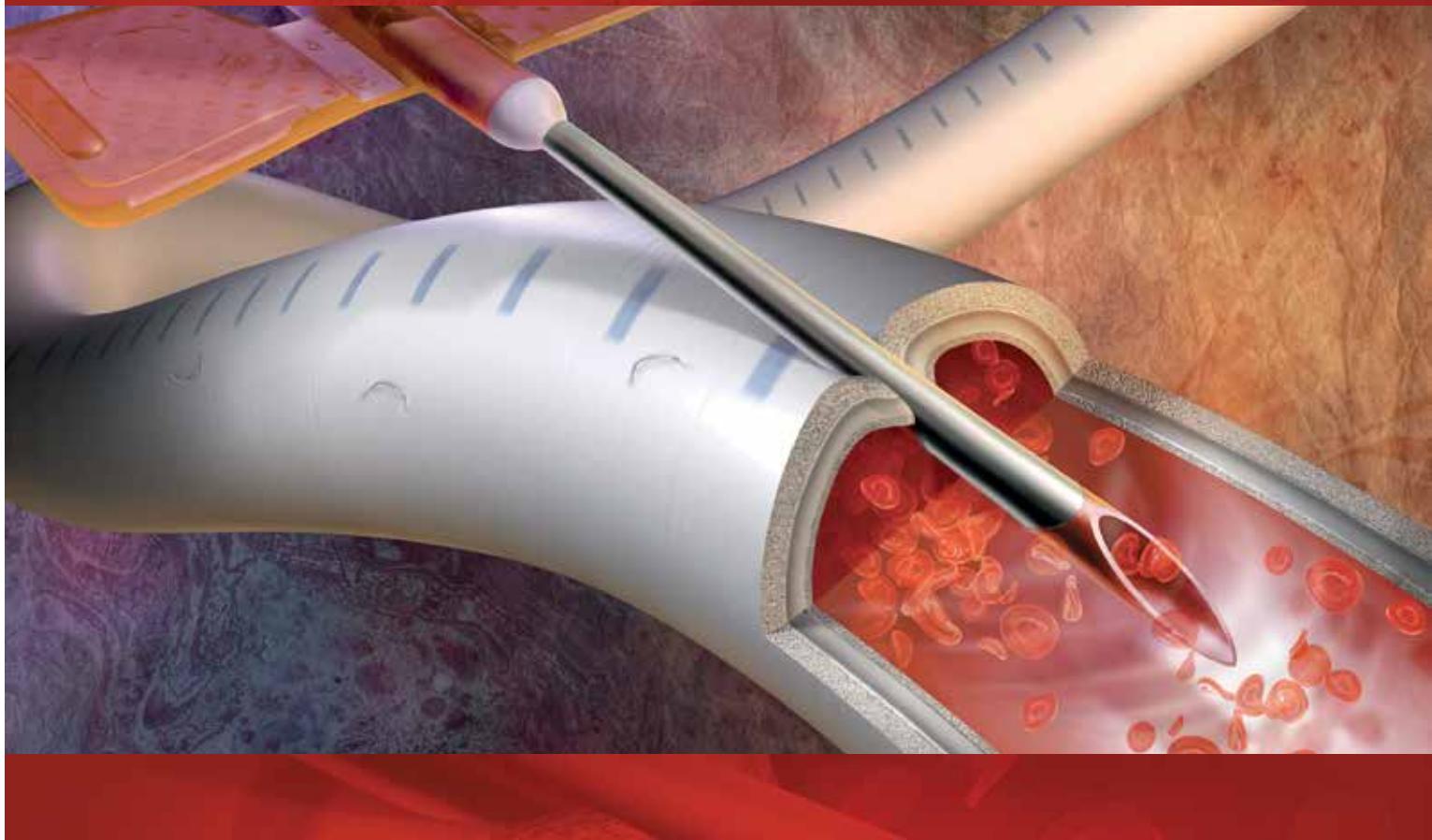
BioFlo: Innovative Dialysis Catheter Technology

**Dr. Franz Velarde, MD Vascular and Interventional Radiology  
Valley Baptist Medical Center in Harlingen, Texas**

The use of tunneled hemodialysis catheters has become essential in the care of patients undergoing hemodialysis globally. Of the 110,000 new dialysis patients per year in the United States, 80% use a catheter for dialysis access. Vascular access management remains one of the most challenging aspects of caring for the hemodialysis patients. Complications associated with dialysis catheters increase morbidity, mortality, hospitalization, treatment time and overall cost to the healthcare system. The economic magnitude of catheter related complications is staggering: The cumulative risk of bacteremia in catheter-dependent patients is nearly 50% at 6 months, with each hospitalization for catheter-related bacteremia costs an average of \$23,000. 88,000 (80% of new annual patients) initiated hemodialysis with a catheter. Assuming these patients average one hospitalization for treatment of catheter-related bacteremia, the cumulative cost is 88,000 X \$23,000 = \$2.0 billion annually.

This case series identifies the methods and data collection used to evaluate the effectiveness of a novel, permanent anti-thrombogenic catheter (BioFlo) for long-term vascular access in hemodialysis patient.

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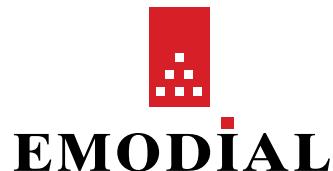


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# VASCULAR ACCESS MANAGEMENT

## *Strategies for infections prevention and treatment*

It is our pleasure to invite you to attend the Emodial-sponsored Corporate Education Sessions. With the purpose to explore some key questions in formats directly applicable to everyday clinical practice, a series of short scientific sessions will be held in our Hospitality Suite. All sessions encourage interactive debate and offer an excellent opportunity to join the discussion. Choose the topics that best suit your needs!

**During all sessions a light lunch will be served.**

◆ **Exit-site Management** - How to prevent and treat infections.

Raffaella Beltrandi - Nurse Case Manager, Sant'Orsola Hospital, Bologna, Italy

Thursday 16th

10,00/10,15 - 15,00/15,15

Friday 17th

12,00/12,15 - 16,00/16,15

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◆ **Button Hole Management** - How to overcome the weak points of the technique.

Marisa Pegoraro - President of EDTNA/ERCA Italian branch. Nurse, Niguarda Hospital, Milan, Italy

Thursday 16th

12,00/12,15 - 16,00/16,15

Friday 17th

14,00/14,15 - 17,00/17,15

---

◆ **Patient Quality of Life** - Water and Catheter: new frontiers for personal care, free time and sport.

Product Specialist - Emodial Srl, Ferrara, Italy

Thursday 16th

14,00/14,15 - 17,00/17,15

Friday 17th

10,00/10,15 - 15,00/15,15

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◆ **Spanish Trial** - Direct experiences from the units.

Afra Masia Plana and Encarnació Ripoll Caparrós - Nurses at Clínica Girona Nephrology and Dialysis Service

Thursday 16th

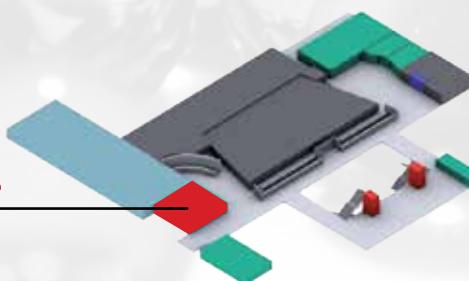
13,00/13,15

Friday 17th

13,00/13,15

LEVEL 2

ROOM 4



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JOIN THE SESSIONS IN ROOM 4, LEVEL 2. VISIT EMODIAL AT BOOTH 22

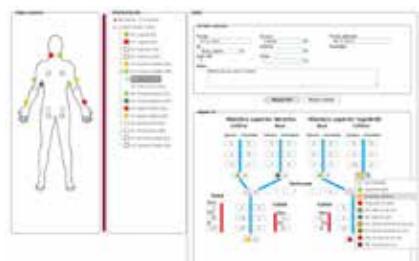


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## The specialized software in vascular access

**NephroCloud** is a software program that specializes in hemodialysis vascular access for nephrology, vascular surgery, interventional radiology and nursing professionals.

Its conception was based on the need to manage all information relating to vascular access in hemodialysis. This process was traditionally carried out using paper, thereby generating large blocks of files for each patient and creating an ineffective and inefficient system.



That's why a way of integrating traditional medical practices with technology has been designed in the 21<sup>st</sup> century to take medicine to another level of experience,

benefiting both doctors and patients. To this end, two recognized entities: the Corporació Sanitaria Parc Taulí and Seys have joined forces, efforts and expertise to create

a product which is intelligent, interactive, user-friendly and can be accessed from anywhere in the world by multiple users.

The main features are:

- Automatic prioritization of waiting lists by clinical urgency.
- Follow-up using data and image.
- Intercommunication between doctors and nursing staff.
- Interactive body map.
- Real time control of alerts.
- Vascular mapping of fistulas and catheters.
- Access to statistical data on thrombosis, catheter dysfunction, infection of catheter and fistula.

- Information on surgical and radiological procedures.
- Incidence and prevalence rates by vascular access type.
- Storage of patient's personal and clinical data.
- Cloud-based system.



**NephroCloud** manages all relevant information related to the hemodialysis patient's vascular access. It is divided into two solutions:

**NephroCloud reference:** Created for reference centers.

**NephroCloud satellite:** Created for centers that depend on the priority information generated by the reference center.

NephroCloud Reference

NephroCloud Satellite

**seys**

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