



**LIVE**  
**2018**

**Leading  
Innovative  
Vascular  
Education**

**Organized by:**



**Institute  
of Vascular Diseases (IVD),  
Greece**

**In collaboration with:**



**Hellenic Society of Vascular  
and Endovascular Surgery**



**Stony Brook University  
Medical Center, New York, USA**



**International Symposium  
on Endovascular Therapeutics**



**Intervention Master Aortic Course**

**May 24-26  
2018**

**Conference and Cultural Center  
of the University of Patras  
Patras, GREECE**

<http://www.live2018.gr>

**ESCVS  
Summer school 2018  
May 24 & 25, 2018**



**Final Programme**

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### *Focus on active learning!*

Dear colleagues, dear friends,

We are delighted to welcome you this year to **Patras, Greece** for **Leading Innovative Vascular Education Symposium - LIVE 2018**, the annual international meeting of the **Institute of Vascular Diseases** held every year in Greece. LIVE 2018 is organized in collaboration with the **Hellenic Society of Vascular and Endovascular Surgery (HSVS)** and the **Stony Brook University, Medical Center, New York, USA**.

The experience of 9 International Symposia led to the great success of last years' organization of LIVE 2017 in conjunction with the **66<sup>th</sup> International Congress of the European Society for Cardiovascular and Endovascular Surgery (ESCVS)**. This annual event brought together a multidisciplinary group of 770 participants from different countries with the active participation of established and distinguished international scientists and experts on May 11-14 in Thessaloniki, Greece.

Committed to its main aim, this year LIVE Symposium is formed to be attractive and towards the needs of young researchers trainees, appropriate to share knowledge and experience on current evidence. It will give participants the opportunity to learn and keep updated from world renowned experts, to contribute to an open dialogue about all up to date technology advances regarding diagnosis and management of vascular pathologies. The successful format for communication and discussion included in all sessions will help to disseminate knowledge from experienced faculty members and introduce the newcomers.

## Welcome

The programme in the framework of exploiting the synergy between education and research incorporates oral & e-poster presentations sessions, multiple scientific sessions, lectures by experts and debates with voting by the audience. In this year's symposium we continue our collaboration with the **IMAC, SITE, Orient Vascular Society** and **Vascular Surgical Society of Cyprus** as well.

In addition, after the last year's successful collaboration of LIVE and ESCVS, this year LIVE 2018 aims to organize **ESCVS Summer school 2018**, a high quality course that will bring together new researchers.

We are happy to welcome you all to Patras and discover what makes the LIVE Symposium such a special and progressive scientific event.

### **LIVE 2018 Directors,**

A. Giannoukas, N. Labropoulos, M. Lazarides,  
M. Matsagkas, D. Tsetis, I. Tsolakis

## Organization

### Organized by

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**Institute of Vascular Diseases,  
(I.V.D.), Greece**

### In collaboration with:

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**Hellenic Society  
of Vascular and Endovascular Surgery**



**Stony Brook University Medical Center,  
New York, USA**



**International Symposium  
on Endovascular Therapeutics**



**Intervention Master Aortic Course**

**Athanasios Giannoukas**

*Professor of Vascular Surgery,  
Faculty of Medicine, School of Health Sciences,  
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**Nicos Labropoulos**

*Professor of Surgery and Radiology,  
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**Dimitrios Tsetis**

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Faculty of Medicine, School of Health Sciences,  
University of Crete, Heraklion, Greece*

**Ioannis Tsolakis**

*Professor of Vascular Surgery,  
School of Medicine, University of Patras,  
Patras, Greece*

# Guidelines for Invited Faculty & Presenting Authors

## A. For PPT Presentations (*applies to all presenters*)

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### **PPT Format (OPTIONAL)**

All presenters were encouraged to use one of the official LIVE 2018 templates in order to provide a uniform look to their presentation.

### **Formal Requirements**

**Language:** All presentations have to be given in **English** (as the official language of the symposium is English and no simultaneous translation will be provided).

**Advertising:** Advertising of products is **prohibited**. Be sure your slides are free of any commercial bias (eg company names or logos).

**Patient anonymity:** Kindly make sure that no patient names or any other information allowing the identification of a patient appear in your presentation.

**Copyright reserved:** It is the author's responsibility to ensure that any part of the slide show (figures, tables, images, etc.) is free of any third party right.

### **Technical Requirements**

#### **Preparation**

**Format:** preferable format is MS PowerPoint (ppt or pps). *Macintosh presentations will be accepted\**.

**Versions:** up to MS PowerPoint 2010.

**Saving of files:** For onsite upload, the presentation has to be saved on a USB flash (recommended), CD-ROM or DVD-ROM.

**Video clips:** If you are using embedded video clips in your presentation, please remember to also have the video clips in a separate file (not only in the presentation).

**Fonts & character:** To avoid any possible compatibility problems, it is preferable not use any special fonts or special characters.

## Guidelines for Invited Faculty & Presenting Authors

### **Onsite presentation**

You are kindly requested to deliver your presentation(s) to the technical support personnel at least **one (1) hour before the beginning of the Session** (in order to ensure on time they run smoothly and to be able of making any possible changes). If the presentation is scheduled early in the morning, you are kindly requested to check your presentation with the technical support personnel the day before.

Your PPT presentation will be made available in the lecture hall via computer network. There will be no possibility to connect your personal laptop in the lecture hall, due to very restricted timeslots (row of the presentations).

*The Hall will be equipped with the following:*

• *LCD projector with remote control (operated by presenter-no mouse will be available)* • *Screen & Lighted pointer* • *Podium mounted microphone* • *Audience aisle microphones*

It is very important to respect the flow of the session and the exact time available for each presentation and therefore you are requested to be consistent with the time slots. It is advisable to rehearse your presentation prior to the congress to ascertain that the **time is not exceeded**.

### ***\*To the attention of Mac users:***

Please make sure to come with the suitable adapter and to also have a backup PPT for PC.

You are kindly requested to meet with the technical support personnel at least **two (2) hours before the beginning of the session**, in order to assure compatibility (or backup solutions).



### **B. Time Slots (*applies to Chairmen/Moderators*)**

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The profile of LIVE 2018 is mainly **educational**, focusing on providing high quality continuing education by the presentation of the latest significant advances in the area of vascular diseases and encouraging the interaction and open discussion between speakers and participants.

As a chairman or Moderator, you should ensure the smooth progress of the session, time management as well as encourage discussions and interactions between faculty members and the audience by allowing sufficient time for questions from the audience.

In order to be helped, a **timer** will be running on the screen along with the presentation. After a warning (before the last minute of the presentation) the projection will be stopped and you will have to ask from the presenter to conclude.

### **C. PPT Presentations Publishing (*applies to Invited Speakers*)**

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In the framework of the educational character of the symposium, LIVE 2018 Directors are willing to provide all registered participants with the PPTs of all, if possible, invited presentations (in non-editable PDF format) included in the scientific programme.

Therefore, by the end of the scientific programme of each day, presentations of passed sessions will be uploaded on the application of the Symposium "**LIVE 2018**", in order for the participants to be able to view and download them. This will assure that all participants will get the most value from your presentations!

## Guidelines for Invited Faculty & Presenting Authors

Due to the importance of your presentation, we must have your **permission** to publish it in this specific area (see also the guidelines below).

### D. Duration

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#### **Oral Presentations (9 min in total)**

Each oral presentation should not exceed **5 minutes**. It will be followed by **4 minutes discussion**.

#### **ePoster Presentations (8 min in total)**

Each ePoster presentation should not exceed **4 minutes**.

It will be followed by **4 minutes discussion**.

*Presenters need to be strictly consisted with the time slots and to respect the flow of the scientific programme.*

### E. Best ePoster & Oral Presentations Award

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**During the Opening Ceremony, the best Oral & the best ePoster Presentations will be AWARDED** by an independent scientific Award Committee (on the basis of scientific merit of authors' works and presentations).

*Presenters should bear in mind that their presence during the Opening Ceremony is required for the award nomination procedure.*

**LIVE Programme at a glance**  
**Thursday, May 24<sup>th</sup>, 2018**

- 08:30- 13.00 Registration  
*Halls I-11 & I-13*
- 13:00-15:00 ePoster presentations  
*Hall I-11*
- 15:00-18:00 Oral presentations  
*Hall I-10*
- 16:00-17:45 ESCVS 2018 Summer School**
- 17:45-18:00 Coffee Break  
*Main Lecture Hall*
- 18:00-19:00 Orient Vascular Society @ LIVE**  
*Hall I-10*
- 18:00-19:00 ESCVS 2018 Summer School**  
*Main Lecture Hall*
- 19:00-20:00 Opening ceremony**  
*Main Lecture Hall*
- 20:00-20:15 Asterios Katsamouris Lecture**  
*Foyer*
- 20:15-22:00 Welcome Reception**

## LIVE Scientific Programme

08:30- 13.00 Registration

**Hall I-11**

13:00-15:00 ePoster presentations - Screen 1

Award Committee:

**N. Sakalihan** (Belgium),

**N. Labropoulos** (USA)

**Hall I-13**

13:00-15:00 ePoster presentations - Screen 2

Award Committee:

**A. Tassiopoulos** (USA),

**M. Meissner** (USA)

**Hall I-11**

15:00-18:00 Oral presentations

Award Committee:

**D. Mikhailidis** (U.K.),

**H-H Eckstein** (Germany),

**M. Malina** (U.K. - Sweden)

### OP1

#### **LARGE DIAMETER (>29 MM) PROXIMAL AORTIC NECKS ARE ASSOCIATED WITH INCREASED COMPLICATION RATES AFTER ENDOVASCULAR AORTIC ANEURYSM REPAIR**

**Petroula Nana<sup>1</sup>, Georgios Kouvelos<sup>1</sup>, Konstantinos Spanos<sup>2</sup>, Stylianos Koutsias<sup>2</sup>,**

**Athanasios Giannoukas<sup>2</sup>, Miltiadis Matsagkas<sup>1</sup>**

<sup>1</sup> Department of Vascular Surgery, Faculty of Medicine, School of Health Sciences, University of Thessaly, Larissa and University of Ioannina, Ioannina, Greece

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**OP2****ENDOVASCULAR REPAIR AND RE-ROOTING OF THE AORTIC ARCH VESSELS FOR TREATING AORTIC ARCH PATHOLOGIES: IS IT EFFECTIVE IN THE LONG TERM?**

**Fotis Eforakopoulos<sup>1</sup>, Christine Kalogeropoulou<sup>2</sup>, Efstratios Koletsis<sup>1</sup>, Christos Prokakis<sup>1</sup>, Nikolaos Charoulis<sup>1</sup>, Athina Sambalioti<sup>3</sup>, Charalambos Stroubos<sup>1</sup>, Panagiotis Papadopoulos<sup>1</sup>, Panagiotis Alexopoulos<sup>1</sup>, Emanouil Margaritis<sup>1</sup>, Fotini Fligou<sup>3</sup>, Dimitrios Dougenis<sup>1,4</sup>**

<sup>1</sup> *Departments of Cardiothoracic Surgery Patras' University School of Medicine, Patras, Greece*

<sup>2</sup> *Department of Radiology, Patras Medical School, Patras, Greece*

<sup>3</sup> *Department of Anesthesiology and intensive care, Patras University, Patras, Greece*

<sup>4</sup> *Department of Cardiac Surgery, Athens University School of Medicine, Attikon University Hospital, Athens, Greece*

**OP3****EXPERIMENTAL ANIMAL STUDY OF A NOVEL DRUG-COATED BALLOON USING 3.5 MG/MM<sup>2</sup> PACLITAXEL COATING ON A CELLULOSE-BASED EXCIPIENT**

**George Lampropoulos<sup>1</sup>, Panagiotis M. Kitrou<sup>2</sup>, Konstantinos N. Katsanos<sup>2</sup>, Panagiotis N. Papadimitos<sup>2</sup>, Michail Theofanis<sup>2</sup>, Maria Vaiou<sup>3</sup>, Fotis Anagnostopoulos<sup>2</sup>, George Karpetas<sup>4</sup>, P. Kallidonis<sup>5</sup>, S. Spiliopoulos<sup>6</sup>, Anargyros Moulas<sup>3</sup>, Dimitrios Karnabatidis<sup>2</sup>**

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<sup>4</sup> *Department of Anaesthesiology, University Hospital of Patras, Greece*

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<sup>6</sup> *2<sup>nd</sup> Department of Radiology, Interventional Radiology Division, Attikon University Hospital, Athens, Greece*

**OP4****EVALUATION OF PERCUTANEOUS TRANSLUMINAL ANGIOPLASTY OUTCOME IN PATIENTS WITH CRITICAL LIMB ISCHEMIA, USING VOLUMETRIC CT PERFUSION TECHNIQUE: A FEASIBILITY STUDY**

Nikolaos Galanakis<sup>1</sup>, Thomas G Maris<sup>2</sup>, Nikolaos Kontopodis<sup>3</sup>, Elias Kehagias<sup>1</sup>, Christos V. Ioannou<sup>3</sup>, Nikolas Matthaïou<sup>1</sup>, Nikolaos Kosidekakis<sup>1</sup>, Konstantinos Perisinakis<sup>2</sup>, Apostolos Karantanas<sup>1</sup>, Dimitrios Tsetis<sup>1</sup>

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<sup>3</sup> Vascular Surgery Unit, Department of Cardiothoracic and Vascular Surgery, University Hospital Heraklion, University of Crete Medical School, Heraklion, Greece

**OP5****USE OF DRUG-COATED BALLOONS IN DYSFUNCTIONAL ARTERIO-VEINOUS ACCESS TREATMENT. THE EFFECT OF CONSECUTIVE TREATMENTS IN TARGET LESION PRIMARY PATENCY**

Ioannis Spyridonidis<sup>1</sup>, Panagiotis Kitrou<sup>1</sup>, Konstantinos Katsanos<sup>1</sup>, Panagiotis Papadimitos<sup>1</sup>, Michail Theofanis<sup>1</sup>, Maria Karahaliou<sup>1</sup>, Evangelos Papachristou<sup>2</sup>, Dimitrios Karnabatidis<sup>1</sup>

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<sup>2</sup> Department of Nephrology, University Hospital of Patras, Greece

**OP6****AORTIC STIFFNESS IN DIABETES MELLITUS MAY BE ATTENUATED WITH GLUTAMIN DETECTED BY HSP 70 EXPRESSION**

Abdullah Ozer

Gazi University Medical Faculty, Department of Cardiovascular Surgery

**OP7**

**DECLOTTING PROCEDURES FOR THE TREATMENT OF THROMBOSED VASCULAR ACCESS CIRCUITS. A PARAMETRIC META-ANALYSIS OF 17 STUDIES INCLUDING 3000 ENDOVASCULAR PROCEDURES**

Michail Theofanis<sup>1</sup>, Panagiotis Kitrou<sup>1</sup>, Konstantinos Katsanos<sup>1</sup>, Panagiotis Papadimitos<sup>1</sup>, Maria Karahaliou<sup>1</sup>, Stavros Spiliopoulos<sup>2</sup>, Dimitrios Karnabatidis<sup>1</sup>

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**OP8**

**CAROTID ENDARTERECTOMY WITH SYNTHETIC, VENOUS, BOVINE PERICARDIUM PATCH: A META-ANALYSIS OF RANDOMIZED CONTROL TRIALS**

Pavlos Texakalidis<sup>1</sup>, Stefanos Giannopoulos<sup>2</sup>, Nektarios Charisis<sup>3</sup>, Spyridon Giannopoulos<sup>4</sup>, Theofilos Karasavvidis<sup>5</sup>, Pascal Jabbour<sup>6</sup>, George Koullias<sup>7</sup>

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<sup>4</sup> *Medical School, Kapodistrian University of Athens, Athens, Greece*

<sup>5</sup> *Medical School, Aristotle University of Thessaloniki, Thessaloniki, Greece*

<sup>6</sup> *Department of Neurosurgery, Thomas Jefferson University, Philadelphia, Pennsylvania, USA*

<sup>7</sup> *Division of Vascular and Endovascular Surgery, Stony Brook University Hospital, Stony Brook, New York, USA*



**OP9****TAILORING OF CH-EVAR TO VARIOUS ANATOMIC CHALLENGES WITH THE CURRENTLY AVAILABLE ENDOGRAFTS IS FEASIBLE AND EFFECTIVE TREATMENT**

Petroula Nana, Georgios Kouvelos,  
Konstantinos Spanos, Christos Karathanos,  
Athanasios Giannoukas, Miltiadis Matsagkas  
*Department of Vascular Surgery, Faculty of Medicine,  
School of Health Sciences, University of Thessaly,  
Larissa, Greece*

**OP10****INITIAL EXPERIENCE WITH THE COVERA COVERED STENT FOR THE TREATMENT OF DYSFUNCTIONAL OR THROMBOSED ARTERIO-VEINUS GRAFTS. A RETROSPECTIVE ANALYSIS OF 43 PATIENTS**

Panagiotis Papadimitos<sup>1</sup>, Panagiotis Kitrou<sup>1</sup>,  
Michail Theofanis<sup>1</sup>, Nicolaos Christeas<sup>1</sup>,  
Maria Karahaliou<sup>1</sup>, Spyros Papadoulas<sup>2</sup>,  
Konstantinos Katsanos<sup>1</sup>, Dimitrios Karnabatidis<sup>1</sup>  
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Patras, Greece*

**OP11****12-MONTH OUTCOMES OF COMBINED DIRECTIONAL ATHERECTOMY WITH ANTI-RESTENOTIC THERAPY (DAART) FOR COMMON FEMORAL ARTERY LESIONS**

Angeliki Argyriou<sup>1</sup>, Konstantinos Stavroulakis<sup>2</sup>,  
Theodosios Bisdas<sup>1</sup>, Giovanni Torsello<sup>2</sup>,  
Euthymios Beropoulos<sup>1</sup>

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Franziskus Hospital, Muenster*

<sup>2</sup> *Department of Vascular and Endovascular Surgery,  
University Clinic, Muenster*



**OP12****EARLY EXPERIENCE WITH THE NELLIX ENDOVASCULAR ANEURYSM SEALING DEVICE: A PRELIMINARY COMPARATIVE STUDY**

**Petroula Nana<sup>1</sup>, Georgios Kouvelos<sup>1</sup>,  
Konstantinos Spanos<sup>2</sup>, Athanasios Giannoukas<sup>2</sup>,  
Miltiadis Matsagkas<sup>1</sup>**

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<sup>2</sup>*Department of Vascular Surgery, Faculty of Medicine, School of Health Sciences, University of Thessaly, Larissa, Greece*

**OP13****REGIONAL SURFACE GROWTH OF ABDOMINAL AORTIC ANEURYSMS DEMONSTRATES THEIR NON-UNIFORM EXPANSION**

**Konstantinos Tzirakis<sup>1</sup>, Nikolaos Kontopodis<sup>2</sup>,  
Emmanouil Tavlas<sup>2</sup>, Nikolaos Daskalakis<sup>3</sup>,  
George Papadopoulos<sup>3</sup>, Christos Chronis<sup>3</sup>,  
Christos Ioannou<sup>3</sup>, Yannis Papaharilaou<sup>1</sup>**

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<sup>3</sup>*Vascular Surgery Unit, Department of Cardiothoracic and Vascular Surgery, University of Crete, Medical School*

**OP14****COMPARISON OF THE PRIMARY PATENCY BETWEEN OPEN AND ENDOVASCULAR REPAIR OF POPLITEAL ARTERY ANEURYSMS**

Petroula Nana<sup>2</sup>, Konstantinos Mpatzalexis<sup>1</sup>,

Georgios Kouvelos<sup>2</sup>, Nikolaos Rousas<sup>1</sup>,

Katerina Drakou<sup>1</sup>, Ioannis Vasilopoulos<sup>1</sup>,

Athanasios Giannoukas<sup>1</sup>, Miltiadis Matsagkas<sup>2</sup>

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<sup>2</sup> Department of Vascular Surgery, Faculty of Medicine, School of Health Sciences, University of Thessaly, Larissa and University of Ioannina, Ioannina, Greece

**OP15****PROFILING POST-EVAR MORPHOMETRY AND HEMODYNAMICS THROUGH IMAGE-BASED COMPUTATIONAL ANALYSIS: COMPARISON AMONG ENDOVASCULAR DEVICES**

Anastasios Raptis<sup>1</sup>, Paola Tasso<sup>2</sup>, Michalis Xenos<sup>3</sup>,

Maurizio Lodi Rizzini<sup>2</sup>, Diego Gallo<sup>2</sup>,

Umberto Morbiducci<sup>2</sup>, Athanasios Giannoukas<sup>4</sup>,

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**OP16****TREATMENT OF ABDOMINAL AORTIC ANEURYSMS IMMEDIATELY INCREASES ARTERIAL STIFFNESS WHICH MAY NEGATIVELY AFFECT CARDIAC FUNCTION**

George Papadopoulos<sup>1</sup>, Maria Marketou<sup>2</sup>, Nikolaos Kontopodis<sup>1</sup>, Alexandros Patrianakos<sup>2</sup>, Emmanouil Tavlas<sup>1</sup>, Christos Chronis<sup>1</sup>, Stavros Stratakis<sup>3</sup>, Frangiskos Parthenakis<sup>2</sup>, Christos Ioannou<sup>1</sup>

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<sup>2</sup> Cardiology Department, University of Crete, Medical School, Crete, Greece

<sup>3</sup> Nephrology Department, University of Crete, Medical School, Crete, Greece

**OP17****12-MONTH RESULTS OF OCT-GUIDED ATHERECTOMY WITH ANTI-RESTENOTIC THERAPY IN THE TREATMENT OF FEMOROPOPLITEAL LESIONS**

Angeliki Argyriou<sup>1</sup>, Euthymios Beropoulos<sup>1</sup>, Arne Schwindt<sup>1</sup>, Theodosios Bisdas<sup>1</sup>, Giovanni Torsello<sup>1</sup>, Konstantinos Stavroulakis<sup>2</sup>

<sup>1</sup> Department of Vascular and Endovascular Surgery, St. Franziskus Hospital, Muenster

<sup>2</sup> Department of Vascular and Endovascular Surgery, University Clinic, Muenster

**OP18****TIPS AND TRICKS FOR FACILITATING TEACHING OF DOPPLER WAVEFORMS AND ANKLE-BRACHIAL-INDEX IN UNDERGRADUATE LEVEL: A PRACTICAL GUIDE**

Efstratios Georgakarakos<sup>1</sup>, Evgenia Anastasiadou<sup>2</sup>, Marilena Papoutsis<sup>2</sup>, Georgios Koufopoulos<sup>2</sup>, George Georgiadis<sup>1</sup>

<sup>1</sup> Department of Vascular Surgery, Medical School, Democritus University of Thrace, Alexandroupolis, Greece

<sup>2</sup> Medical School, Democritus University of Thrace, Greece

**OP19****FACTORS ASSOCIATED WITH ELIMINATION OF ENDOLEAK TYPE II DURING 12-MONTH PERIOD AFTER ENDOVASCULAR ABDOMINAL AORTIC ANEURYSM REPAIR**

Petroula Nana<sup>1</sup>, Konstantinos Spanos<sup>1</sup>,  
 Georgios Kouvelos<sup>1</sup>, Stylianos Koutsias<sup>1</sup>,  
 Eleni Arnaoutoglou<sup>2</sup>, Athanasios Giannoukas<sup>1</sup>,  
 Miltiadis Matsagkas<sup>1</sup>

<sup>1</sup> *Department of Vascular Surgery, Faculty of Medicine, School of Health Sciences, University of Thessaly, Larissa, Greece*

<sup>2</sup> *Department of Anesthesiology, Faculty of Medicine, School of Health Sciences, University of Thessaly, Larissa, Greece*

**OP20****SUPERIOR VENA CAVA SYNDROME STENTING: SINGLE CENTER EXPERIENCE**

Nikolas Matthaïou<sup>1</sup>, Nikolaos Galanakis<sup>1</sup>,  
 Elias Kehagias<sup>1</sup>, Nikolaos Kontopodis<sup>2</sup>,  
 Nelly Kcholcheva<sup>1</sup>, Dimitrios Mavroudis<sup>3</sup>,  
 Dimitrios Tsetis<sup>1</sup>

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<sup>2</sup> *Vascular Surgery Unit, Department of Cardiothoracic and Vascular Surgery, University Hospital Heraklion, University of Crete Medical School, Heraklion, Greece*

<sup>3</sup> *Department of Medical Oncology, University Hospital Heraklion, University of Crete Medical School, Heraklion, Greece*

*Hall I-10*

**16:00-17:45 ESCVS 2018 Summer School Part A. Sizing and planning for transcatheter and endovascular procedures**

17:45-18:00 Coffee Break

*Main Lecture Hall*

**18:00-19:00 Orient Vascular Society @ LIVE  
Inflammatory vasculitis disease  
management**

Moderators: **L. Altarazi** (*Syria*),  
**K. Bozkurt** (*Turkey*),  
**T. Kotsis** (*Greece*)

18:00-18:10 Special inflammatory vasculitis cases  
**H. Hamed** (*Egypt*)

18:10-18:20 Buerger's disease, endovascular  
approach  
**L. Altarazi** (*Syria*)

18:20-18:30 Myths and misconceptions in  
the management of Behcet's-  
Adamantiades disease  
**K. Bozkurt** (*Turkey*)

18:30-18:40 Current concepts in the  
management of Takayasu disease: Is  
endovascular options of any value?  
**M. Veller** (*South Africa*)

18:40-19:00 Discussion - **2min** comments from  
**G. Szendro** (*Israel*)

*Hall I-10*

**18:00-19:00 ESCVS 2018 Summer School  
Part B. Sizing and planning in  
TEVAR**

Thursday, May 24<sup>th</sup>, 2018

LIVE2018 SCIENTIFIC PROGRAMME

LIVE 2018 Partners:



**19:00-20:00 Opening ceremony**

Welcome from Institute of  
Vascular Diseases

Welcome from University of Patras

Welcome from Hellenic Society of  
Vascular and Endovascular Surgery

Announcement of 2018 Travelling  
award winner

Presentation from the 2016  
Travelling award recipient  
**I. Tsagkos** (*Greece*)

Presentation from the 2017  
Travelling award recipient  
**K. Spanos** (*Greece*)

Best Oral & ePoster Presentation  
Awards

**20:00-20:15 ASTERIOS KATSAMOURIS  
LECTURE**

**“Role and importance of  
biological research in Vascular  
Surgery Centers. Personal  
experience: the theoretical  
research and engineering  
application in vascular surgery”**

Chairmen:

**W. Sandmann** (*Germany*),  
**A. Giannoukas** (*Greece*),  
**I. Tsolakis** (*Greece*)

Invited speaker: **D. Palombo** (*Italy*)

**Foyer**

**20:15-22:00 Welcome Reception**

LIVE 2018 Partners:



**LIVE Programme at a glance**  
**Friday, May 25<sup>th</sup>, 2018**

*Main Lecture Hall*

**08:30-09:30 Controversies in AAA Screening**

*Hall I-10*

**09:00-13:00 ESCVS 2018 Summer School**

*Main Lecture Hall*

**09:30-10:00 Debate**

10:00-10:30 Coffee break - Visit the exhibition area

*Main Lecture Hall*

**10:30-11:30  SITE @ LIVE**

*Main Lecture Hall*

**11:30-11:45 Keynote Lecture**

*Main Lecture Hall*

**11:45-12:45 Venous Hot Topics**

*Hall I-13*

**11:45-12:45 Satellite Meet the Experts Session**

*Main Lecture Hall*

**12:45-13:30 Satellite Session**

*Main Lecture Hall*

**13:30-14:15 Satellite Session**

14:15-15:00 Lunch break - visit the exhibition area

*Hall I-10*

**14:00-17:10 ESCVS 2018 Summer School**

*Main Lecture Hall*

**15:00-17:30  iMAC @ LIVE**

*Hall I-1/Hall I-10*

**17:10-17:25 ESCVS 2018 Summer School**

*Main Lecture Hall*

**17:30-18:20 Vascular Surgical Society of Cyprus @ LIVE**

**08:30-09:30 CONTROVERSIES IN AAA SCREENING**

Moderators:

**N. Sakalihan** (*Belgium*),**C. Ioannou** (*Greece*),**K. Filis** (*Greece*)

08:30-08:40 Is there any evidence to support a diameter threshold reduction from 55 mm to 50mm when treating AAA with EVAR?

**I. Koncar** (*Serbia*)

08:40-08:50 Do we need a shift to more specific factors for eligibility in future screening programmes?

**K. Spanos** (*Greece*)

08:50-09:00 Is the AAA screening of any value in women?

**A. Karkamanis** (*Sweden*)

09:00-09:10 Lessons learnt from the AAA screening studies-Is there any need to rescan individuals with abdominal aortic dilatation (20-30mm diameter)?

**A. Wanhainen** (*Sweden*)

09:10-09:30 Discussion - **2min** comments from **C. Liapis** (*Greece*)

*Hall I-10***09:00-13:00 ESCVS 2018 Summer School Part C. Sizing and planning in EVAR**



- 09:30-10:00 DEBATE “Management of aortic graft infection”**  
Moderators: **C. Liapis** (Greece),  
**M. Lazarides** (Greece)
- 09:30-09:36 Aortic graft infection: Is it an issue only in open surgery or in EVAR too?  
**I. Kakisis** (Greece)
- 09:37-09:43 Radical excision of the infected graft is the only option  
**M. Veller** (South Africa)
- 09:44-09:50 Not so, a more conservative approach makes sense  
**M. Malina** (U.K. - Sweden)
- 09:51-09:58 Discussion
- 09:59-10:00 Audience is voting
- 10:00-10:30 Coffee break - Visit the exhibition area

10:30-11:30  SITE @ LIVE

**Current unmet needs in EVAR/  
TEVAR and beyond**

Moderators:

**V. Riambau** (Spain),

**A. Giannoukas** (Greece)

Topics to be discussed:

- What is the best endovascular solution for Arch Pathology?
- Is the aortic stiffness after TEVAR/EVAR a real concern?
- Is sac filling technology the way to go?
- Is TEVAR for any uncomplicated type B dissection?

Discussants:

**H-H Eckstein** (Germany),

**M. Matsagkas** (Greece),

**M. Malina** (U.K.-Sweden),

**A. Katsargyris** (Germany),

**C. Klonaris** (Greece),

**N. Sakalihasan** (Belgium)

11:30-11:45 **KEYNOTE LECTURE**

**"From bench to bedside"**

Chairmen: **N. Labropoulos** (USA),

**K. Ktenidis** (Greece)

Invited speaker: **M. Tal** (Israel)

**11:45-12:45 VENOUS HOT TOPICS**

Moderators: **N. Labropoulos** (USA),  
**K. Trigonakis** (Greece),  
**K. Katsenis** (Greece)

11:45-11:55 Diagnostic issues in venous disease  
**N. Labropoulos** (USA)

11:55-12:05 Superficial vein ablation  
**S. Elias** (USA)

12:05-12:15 Pelvic vein disorders  
**M. Meissner** (USA)

12:15-12:25 The role of embolization in pelvic  
congestion syndrome  
**A. Basile** (Italy)

12:25-12:35 Disease of the femoral and  
popliteal veins  
**A. Gasparis** (USA)

12:35-12:45 Discussion - **2min** comments from  
**S. Vasdekis** (Greece)

Hall I-13

**11:45-12:45 Satellite Meet the Experts  
Session**

(see page 66)

Main Lecture Hall

**12:45-13:30 Satellite Session**

(see page 66)

Main Lecture Hall

**13:30-14:15 Satellite Session**

(see page 66)

14:15-15:00 Lunch break - visit the exhibition area

*Hall I-10*

**14:00-17:10 ESCVS 2018 Summer School  
Part D. Sizing and planning in  
Cardiac procedures**

*Main Lecture Hall*

**15:00-17:30**  **iMAC @ LIVE**  
**Forum on the management of  
Aortic Diseases**  
Moderators:  
**M.E. Hosni** (*Egypt*),  
**I. Tsolakis** (*Greece*),  
**E. Arnaoutoglou** (*Greece*)

15:00-15:10 Surgery of the aortic arch: what is the best operation?  
**D. Dougenis** (*Greece*)

15:10-15:20 Early complications in initially uncomplicated aortic dissections type B are not rare!  
Should we intervene earlier?  
**H-H Eckstein** (*Germany*)

15:20-15:30 Endovascular management of aorto-iliac occlusive diseases  
**S. Omar** (*Egypt*)

15:30-15:40 Branched iliac device for aortic aneurysm  
**S. Essam** (*Egypt*)

15:40-15:50 Endovascular management of internal iliac artery aneurysm  
- Case Presentation  
**K. Shawky** (*Egypt*)

- 15:50-16:00 Debranching for thoracic thoraco-abdominal aortic aneurysm - Case Presentation  
**A. Gamal** (*Egypt*)
- 16:00-16:10 Acute aortic occlusions-an overlooked catastrophe  
**G. Szendro** (*Israel*)
- 16:10-16:20 The hypogastric artery preservation should be first line strategy in 2018  
**N. Mosquera** (*Spain*)
- 16:20-16:30 Which patients benefit from AAA open repair?  
**L. Davidovic** (*Serbia*)
- 16:30-16:40 Visceral compression syndromes causing paresis and paraparesis in young individuals  
**W. Sandmann** (*Germany*)
- 16:40-16:50 Overcoming anesthesiology problems during Ch-EVAR  
**E. Arnaoutoglou** (*Greece*)
- 16:50-17:00 Unique technologies for the endoluminal treatment of complex PAD lesions  
**A. Giannoukas** (*Greece*)
- 17:00-17:30 Discussion  
2min comments from  
**C. Ioannou** (*Greece*)  
  
2min comments from  
**D. Iliopoulos** (*Greece*)

**17:10-17:25 ESCVS 2018 Summer School  
Closing Remarks**

*Main Lecture Hall*

**17:30-18:20 Vascular Surgical Society of  
Cyprus @ LIVE  
The Development of  
Endovenous Surgery in Cyprus**

Moderators:

**S. Papas** (Cyprus),

**M. Lazarides** (Greece),

**G. Geroulakos** (Greece)

17:30-17:38 The role of duplex ultrasound in  
endovenous surgery  
**N. Zambas** (Cyprus)

17:39-17:47 The role of the anterior accessory  
saphenous vein in recurrence of  
varicose veins following EVLA  
procedure  
**A. Toursides** (Cyprus)

17:48-17:56 IVUS guided stenting for ilio-  
femoral vein obstruction  
**S. Papas** (Cyprus)

17:57-18:05 Pelvic congestion syndrome:  
diagnosis and treatment  
**A. Chatzipolycarpou** (Cyprus)

18:06-18:20 Discussion  
2min comments from  
**N. Labropoulos** (USA)  
  
2min comments from  
**M. Meissner** (USA)

**LIVE Programme at a glance**  
**Saturday, May 26<sup>th</sup>, 2018**

*Main Lecture Hall*

**08:30-10:10 Hot Topics in Peripheral Arterial Disease**

*Main Lecture Hall*

**10:10-10:30 Keynote Lecture**

*Main Lecture Hall*

**10:30-11:30 Critical Issues in Stroke & Carotid Artery Disease**

11:30-12:00 Coffee break - Visit the exhibition area

*Main Lecture Hall*

**12:00-13:30 Critical Issues in Aortic Pathologies**

*Hall I-13*

**12:30-13:30 Satellite Workshop**

*Main Lecture Hall*

**13:30-13:40 Clinical Practice Lecture**

*Main Lecture Hall*

**13:40-14:25 Satellite Session**

14:25-14:40 Lunch break - visit the exhibition area

*Main Lecture Hall*

**14:40-15:25 Satellite Session**

*Main Lecture Hall*

**15:25-16:45 Hot Topics in Vascular Access**

*Hall I-11*

**15:25-15:55 Satellite Session**

*Main Lecture Hall*

**16:45-18:00 Critical Issues in Diabetic Foot Management**

*Main Lecture Hall*

**18:00-18:15 Distinguished Lecture**

*Main Lecture Hall*

**18:15-18:30 Closing Remarks - LIVE 2019 - Adjournment**

LIVE 2018 Partners:



**08:30-10:00 HOT TOPICS IN PERIPHERAL ARTERIAL DISEASE**

Moderators: **J. Lammer** (*Austria*),  
**D. Tsetis** (*Greece*),  
**D. Maras** (*Greece*)

- 08:30-08:38 Non-invasive treatment in Intermittent Claudication  
**D. Mikhailidis** (*U.K.*)
- 08:39-08:47 Paclitaxel Coated balloons and new generation stents in SFA  
**S.M. Hulsbeck** (*Germany*)
- 08:48-08:56 Atherectomy and Combined Therapies  
**K. Katsanos** (*Greece*)
- 08:57-09:05 Below the Knee endovascular Treatment: An update  
**T. Rand** (*Austria*)
- 09:06-09:14 Sheathless Access Using a Novel Balloon Catheter to Reduce Time and Radiation  
**A. Kokkosis** (*USA*)
- 09:15-09:23 Drug-eluting stenting for the treatment of TASC C & D femoropopliteal disease: Will it replace bypass surgery?  
**G. Antoniou** (*U.K.*)
- 09:24-09:32 Endovascular options for popliteal artery obstruction  
**L. Leon** (*USA*)
- 09:33-09:41 The effect of hip flexion on external iliac artery stenting  
**F. Grego** (*Italy*)



09:42-09:50 Long-term analyses of the Italian registry for PAOD revascularization  
**G. Piffaretti** (*Italy*)

09:50-10:10 Discussion - **2min** comments from  
**K. Moulakakis** (*Greece*)

*Main Lecture Hall*

**10:10-10:30 KEYNOTE LECTURE**

**“Long term data of randomized trials are punishing EVAR: how can we justify EVAR as a first option nowadays?”**

Chairmen: **A. Giannoukas** (*Greece*),  
**N. Mosquera** (*Spain*)

Invited speaker:  
**V. Riambau** (*Spain*)

*Main Lecture Hall*

**10:30-11:30 CRITICAL ISSUES IN STROKE & CAROTID ARTERY DISEASE**

Moderators:

**G. Szendro** (*Israel*),  
**M. Veller** (*South Africa*),  
**A. Chatziioannou** (*Greece*)

10:30-10:40 A short interval between the neurologic index event is a risk factor for CAS but not for CEA: Data from a national registry on >56,000 symptomatic carotid patients in Germany  
**H-H Eckstein** (*Germany*)

10:40-10:50 Embolic Stroke of Undetermined Source (ESUS)  
**G. Ntaios** (*Greece*)

LIVE 2018 Partners:



- 10:50-11:00 Current Progress of the TCAR device in Carotid Stenting  
**A. Kokkosis** (USA)
- 11:00-11:10 Endovascular treatment of acute stroke: New trends in therapy  
**P. Zampakis** (Greece)
- 11:10-11:30 Discussion  
**2min** comments from  
**I. Kakisis** (Greece)  
  
**2min** comments from  
**A. Gougoulakis** (Greece)
- 11:30-12:00 Coffee break - Visit the exhibition area

*Main Lecture Hall***12:00-13:30 CRITICAL ISSUES IN AORTIC PATHOLOGIES**

Moderators:

**F. Grego** (Italy),  
**M. Matsagkas** (Greece),  
**K. Papazoglou** (Greece)

- 12:00-12:10 Lessons learnt from Ch-EVAR for the treatment of pararenal AAAs  
**M. Matsagkas** (Greece)
- 12:10-12:20 Evolution of proximal sealing zone length in FEVAR: How long should it be the "new neck" in FEVAR and has this length changed over the years?  
**A. Katsargyris** (Germany)
- 12:20-12:30 Paraplegia in endovascular repair of TAA and in TEVAR: Incidence, prevention and therapy  
**J. Lammer** (Austria).

- 12:30-12:40 Aortic neck dilatation - Myth or reality?  
**A. Tassiopoulos** (USA)
- 12:40-12:50 Hostile neck during EVAR - The role of endoanchors  
**S. Koussayer** (Saudi Arabia)
- 12:50-13:00 What we know and what we do not know in the management of type B dissection  
**A. Mitsis** (U.K.)
- 13:00-13:10 Outcomes of endovascular repair of isolated iliac artery aneurysms  
**A. Stella** (Italy)
- 13:10-13:30 Discussion  
2min comments from  
**M. Veller** (South Africa)  
  
2min comments from  
**N. Sakalihan** (Belgium)

**Hall I-13****12:30-13:30 Satellite Workshop***(see page 66)***Main Lecture Hall****13:30-13:40 CLINICAL PRACTICE LECTURE**  
**"Vascular trauma: 30 years experience in a high volume centre"**Chairmen: **I. Tsolakis** (Greece),  
**M. Veller** (South Africa),  
**C. Maltezos** (Greece)Speaker: **S. Kakkos** (Greece)

**13:40-14:25 Satellite Session**

(see page 67)

14:25-14:40 Lunch break - visit the exhibition area

**14:40-15:25 Satellite Session**

(see page 67)

**15:25-16:45 HOT TOPICS IN VASCULAR ACCESS**

Moderators: **M. Lazarides** (Greece),  
**I. Tsolakis** (Greece),

15:25-15:35 Patient safety in Vascular access planning and construction  
**D. Shemesh** (Israel)

15:35-15:45 What should we know about biologic and early cannulation AV grafts?  
**S. Baktiroglu** (Turkey)

15:45-15:55 What is new, in the new ESVS vascular access - clinical practice guidelines?  
**J. Tordoir** (The Netherlands)

15:55-16:05 Lysis - assisted thrombectomy in the treatment of thrombosed arteriovenous dialysis grafts  
**P. Kitrou** (Greece)



- 16:05-16:15 Endovascular treatment of malfunctioning haemodialysis grafts  
**R. Uberoi** (U.K.)
- 16:15-16:25 What is the advantage from the use of drug coated balloons in the treatment of malfunctioning access  
**D. Karnabatidis** (Greece)
- 16:25-16:45 Discussion - **2min** comments from  
**G. Georgiadis** (Greece)

Hall I-11

**15:25-15:55 Satellite Session***(see page 67)***Main Lecture Hall**

- 16:45-18:00 CRITICAL ISSUES IN DIABETIC FOOT MANAGEMENT**  
**In collaboration with the Hellenic Association in Diabetic Foot Study @ LIVE**  
Moderators: **K. Kalligianni** (Greece),  
**C. Manes** (Greece),  
**S. Koutsias** (Greece)

- 16:45-16:55 Clinical assessment of diabetic foot in 5 minutes  
**N. Tentolouris** (Greece)
- 16:55-17:05 Microwave radiometry thermometry: Unfolding the non-invasive differential diagnosis of arterial disease in diabetic patients with suspected critical limb ischaemia  
**S. Spiliopoulos** (Greece)

- 17:05-17:15 Angiosome theory: a myth or a reality?  
**G. Kouvelos** (*Greece*)
- 17:15-17:25 Diabetic arterial disease: Indications and optimal timing for intervention  
**K. Kalligianni** (*Greece*)
- 17:25-17:35 Healing time of ischaemic lesions following infrainguinal revascularisation  
**G. Geroulakos** (*Greece*)
- 17:35-17:45 Transatlantic efforts to reduce amputations  
**C. Manes** (*Greece*)
- 17:45-18:00 Discussion - 2min comments from  
**A. Tassiopoulos** (*USA*)

*Main Lecture Hall*

- 18:00-18:15 DISTINGUISHED LECTURE**  
**“Factors influencing the mortality rate in AAA rupture. Preliminary results of Liege AAA rupture study”**  
 Chairmen: **M. Matsagkas** (*Greece*),  
**J. Lammer** (*Austria*)  
 Invited speaker:  
**N. Sakalihan** (*Belgium*)

*Main Lecture Hall*

- 18:15-18:30 Closing Remarks - LIVE 2019 - Adjournment**

## **E-POSTER PRESENTATIONS**

### EPP1

#### **MULTI-DISCIPLINARY APPROACH TO HIGH LESIONS OF THE CAROTID ARTERY**

**Vasileios Tzilalis<sup>1</sup>, Alexandra Terzoglou<sup>1</sup>, Vasileios Tsiligiris<sup>1</sup>, Konstantinos Papoutsis<sup>1</sup>, Ioannis Michailidis<sup>2</sup>, Orestis Tselkas<sup>2</sup>, Ioannis Chatzistefanou<sup>2</sup>, Ioannis Kantounakis<sup>3</sup>, Eleftherios Chouliaras<sup>4</sup>, Antonios Zouboulidis<sup>5</sup>**

<sup>1</sup> Vascular Surgery Department, 401 General Army Hospital Of Athens, Athens, Greece

<sup>2</sup> Maxillofacial Surgery Department, 401 General Army Hospital Of Athens, Greece

<sup>3</sup> Interventional Radiology Department, 401 General Army Hospital Of Athens, Greece

<sup>4</sup> Anesthesiology Department, 401 General Army Hospital Of Athens, Greece

<sup>5</sup> Nuclear Medicine Department, 401 General Army Hospital Of Athens, Greece

### EPP2

#### **ENDOVASCULAR THORACOABDOMINAL REPLACEMENT IN A PATIENT WITH MARFAN SYNDROME FOLLOWING ABDOMINAL AORTIC DEBRANCHING**

**Murat Ugurlucan<sup>1</sup>, Yilmaz Onal<sup>2</sup>, Didem Melis Oztas<sup>1</sup>, Feza Ekiz<sup>3</sup>, Omer Ali Sayin<sup>1</sup>, Bulent Acunas<sup>4</sup>, Ufuk Alpagut<sup>1</sup>**

<sup>1</sup> Department of Cardiovascular Surgery, Medical Faculty, Istanbul University, Istanbul, Turkey

<sup>2</sup> Sultan Abdulhamid Han Hospital, Turkey

<sup>3</sup> Department of General Surgery, Istanbul Medical Faculty, Istanbul University, Istanbul, Turkey

<sup>4</sup> Department of Radiology, Medical Faculty, Istanbul University, Istanbul, Turkey

### EPP3

#### **CAROTID STENTING VERSUS ENDARTERECTOMY FOR THE TREATMENT OF CAROTID ARTERY STENOSIS: CONTEMPORARY RESULTS FROM A SINGLE CENTER STUDY**

**Petroula Nana<sup>1</sup>, Georgios Kouvelos<sup>1</sup>, Vasileios Bouris<sup>1</sup>, Dimitrios Xanthopoulos<sup>1</sup>, Michail Peroulis<sup>1</sup>, Eleni Arnaoutoglou<sup>2</sup>, Georgios Papadopoulos<sup>2</sup>, Miltiadis Matsagkas<sup>1</sup>**

<sup>1</sup> Department of Surgery-Vascular Surgery Unit, Faculty of Medicine, School of Health Sciences, University of Ioannina, Ioannina, Greece

<sup>2</sup> Department of Anesthesiology, Faculty of Medicine, School of Health Sciences, University of Ioannina, Ioannina, Greece



### EPP4

#### **THORACIC OUTLET SYNDROME: SINGLE CENTER EXPERIENCE**

**Charalampos Stroumpos<sup>1</sup>, Christos Prokakis<sup>1</sup>,  
Efstratios Koletsis<sup>1</sup>, Fotios Eforakopoulos<sup>1</sup>,  
Nikolaos Charoulis<sup>1</sup>, Emmanouil Margaritis<sup>1</sup>,  
Panagiotis Alexopoulos<sup>1</sup>, Dimitrios Dougenis<sup>2</sup>**

<sup>1</sup> Cardiothoracic Surgery Department, Faculty of Medicine, School of Health Sciences, University of Patras, Patras, Greece

<sup>2</sup> Cardiac Surgery Department, Faculty of Medicine, School of Health Sciences, National and Kapodistrian University of Athens, Athens, Greece

### EPP5

#### **AUTOLOGOUS PLATELET-RICH PLASMA FOR THE TREATMENT OF NON-HEALING ULCERS: A COMPARATIVE STUDY**

**Maria Tsachridi<sup>1</sup>, George Galyfos<sup>2</sup>, A. Andreou<sup>3</sup>,  
Fragiska Sigala<sup>2</sup>, Georgios Zografos<sup>2</sup>,  
Konstantinos Filis<sup>2</sup>**

<sup>1</sup> Department of Upper GI surgery, Northern General Hospital, Sheffield Teaching Hospitals NHS Trust, Sheffield, UK

<sup>2</sup> First Propedeutic Department of Surgery, Hippocraton General Hospital, National Kapodistrian University of Athens, Athens, Greece

<sup>3</sup> Department of General Surgery, York Hospital, York Teaching Hospital NHS Trust, York, UK

### EPP6

#### **TWO IS A COMPANY, THREE IS A CROWD**

**Christos Karkos, Christina Papadimitriou,  
Ioannis Pliatsios, Maria Mitka, Konstantinos Alexandris,  
Ioakeim Giagtzidis, Konstantinos Papazoglou**

<sup>5th</sup> Department of Surgery, Aristotle University of Thessaloniki, "Hippokratio" Hospital, Thessaloniki, Greece

### EPP7

#### **FENESTRATED ENDOVASCULAR REPAIR OF A LARGE PARARENAL ABDOMINAL AORTIC ANEURYSM WITH ANATOMIC VARIETY OF VISCERAL VESSELS USING ANACONDA DEVICE**

**Georgios Vourliotakis<sup>1</sup>, Vasilios Tsiligiris<sup>1</sup>,  
Theofanis Konstantopoulos<sup>1</sup>, Naser Mochament<sup>1</sup>,  
Georgios Tsiganos<sup>2</sup>, Kyriakos Lazaridis<sup>3</sup>**

<sup>1</sup> Vascular Surgery Department, 417 NIMTS (Veterans' Fund Army Hospital of Athens), Greece

<sup>2</sup> Anesthesiology Department, 417 NIMTS (Veterans' Fund Army Hospital of Athens), Greece

<sup>3</sup> Cardiology Clinic, 417 NIMTS (Veterans' Fund Army Hospital of Athens), Greece

### EPP8

#### **LIFE THREATENING RUPTURED IATROGENIC SUPERIOR FEMORAL ARTERY PSEUDOANEURYSM TREATED WITH THROMBIN INFUSION UNDER ULTRASOUND GUIDANCE**

**Ioannis Stamatatos<sup>1</sup>, Eirini Liouvarou<sup>2</sup>,  
Isaak Dimitriadis<sup>3</sup>, Dimitrios Klapsakis<sup>4</sup>,  
Georgios Anagnostopoulos<sup>3</sup>, Panagiotis Zavalis<sup>2</sup>,  
Emmanouil Daskalakis<sup>4</sup>, Fragkiskos Tzagkarakis<sup>2</sup>,  
Dionisios Louverdis<sup>4</sup>, Athanasios Rogdakis<sup>2</sup>**

<sup>1</sup> Vascular & Endovascular Surgery, General Hospital Nikaia, Piraeus, Greece

<sup>2</sup> Radiology & Imaging Sciences Department, General Hospital Nikaia, Piraeus, Greece

<sup>3</sup> Second General & Laparoscopic Surgery Department, General Hospital Nikaia, Piraeus, Greece

<sup>4</sup> Orthopedic Surgery & Trauma Department, General Hospital Nikaia, Piraeus, Greece

### EPP9

#### **A NOVEL EASILY CONSTRUCTABLE SHUNT FOR CAROTID ENDARTERECTOMY FOR PATIENTS INTOLERANT TO CROSS-CLAMPING**

**Murat Ugurlucan<sup>1</sup>, Didem Melis Oztas<sup>1</sup>,  
Cagla Canbay<sup>1</sup>, Ibrahim Erdinc<sup>2</sup>, Nilgun Bozbuga<sup>1</sup>,  
Ufuk Alpogut<sup>1</sup>**

<sup>1</sup> Department of Cardiovascular Surgery, Medical Faculty, Istanbul University, Istanbul, Turkey

<sup>2</sup> Bozyaka Hospital, Turkey

### EPP10

#### **SUCCESSFUL TREATMENT OF TYPE II ENDOLEAKS USING NEUROVASCULAR TECHNIQUES AND PREOPERATIVE CT MAPPING. SHORT SERIES**

**Stavros Kalliafas<sup>1</sup>, Ioannis Bellos<sup>1</sup>,  
Ioannis Ioannidis<sup>2</sup>, Charalambos Tsatsos<sup>1</sup>,**

<sup>1</sup> 1<sup>st</sup> Vascular Surgery Clinic, Hygeia Hospital, Athens, Greece

<sup>2</sup> Interventional Neuroradiology Department, Hygeia Hospital, Athens, Greece

### EPP11

#### **MANAGEMENT OF PSEUDOANEURYSM IN IV DRUG ABUSERS**

**Mostafa Soliman abdelbary, Amr Nabil Kamel,  
Abdel Rahman Magdy**

Vascular surgery department, Faculty of medicine, Ain Shams University

**EPP12**

**LATE EXPLANTATION OF AN AORTIC ENDOGRAFT AFTER PREVIOUS EVAR PROCEDURE: A CASE SERIES**

**George Galyfos, Christiana Anastasiadou,  
Ioannis Sachmpazidis, Georgios Sachsamanis,  
Sotirios Giannakakis, Anastasios Papapetrou,  
Georgios Kastrisios, Gerasimos Papacharalampous,  
Chrisostomos Maltezos**

*Department of Vascular Surgery, KAT General Hospital, Athens, Greece*

**EPP13**

**THE ROLE OF NEW REFLUX OF ACCESSORY VEINS IN CLINICAL RECURRENCE OF VARICOSE VEINS AFTER ENDOVASCULAR LASER ABLATION (EVLA)**

**Achilleas Toursidis<sup>1</sup>, Konstantinos Trigonakis<sup>2</sup>**

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**EPP14**

**HOW TO CLAMP AND RE-VASCULARIZE THE BRAIN IF THE PATIENT HAS ONLY SINGLE VESSEL BLOOD SUPPLY TO THE HEAD AND THAT CONTAINS SEVERE STENOSIS?**

**Murat Ugurlucan<sup>1</sup>, Yilmaz Onal<sup>2</sup>, Didem Melis Oztas<sup>1</sup>,  
Kubilay Aydin<sup>3</sup>, Ufuk Alpagut<sup>1</sup>**

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**EPP15**

**MOBILITY, A HEALING FACTOR AFTER DIABETIC FOOT DEBRIDEMENT**

**Tarek Altbrany**

*Cairo curative organization, Cairo, Egypt*

**EPP16**

**INTERNAL CAROTID ARTERY DISSECTION-SURGICAL TREATMENT**

**Didem Melis Öztaş<sup>1</sup>, Metin Onur Beyaz<sup>1</sup>,  
Yilmaz Onal<sup>2</sup>, Serra Sencer<sup>3</sup>, Murat Ugurlucan<sup>1</sup>,  
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### EPP17

#### **LATE COMMON ILIAC ANEURYSM RUPTURE DUE TO CONTRALATERAL TYPE IB ENDOLEAK AFTER PREVIOUS EVAR**

**Anastasios Papapetrou, Georgios Sachsamani, Ioannis Sachmpazidis, George Galyfos, Christiana Anastasiadou, Sotirios Giannakakis, Gerasimos Papacharalampous, Chrisostomos Maltezos**

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### EPP18

#### **CEREBRAL PROTECTION DURING AORTIC DE-BRANCHING WITH A TEMPORARY CROSS OVER BYPASS BETWEEN THE EXTERNAL CAROTID ARTERIES- EARLY RESULTS**

**Didem Melis Oztas<sup>1</sup>, Murat Ugurlucan<sup>1</sup>, Metin Onur Beyaz<sup>1</sup>, Yilmaz Onal<sup>2</sup>, Omer Ali Sayin<sup>1</sup>, Nilgun Bozbuga<sup>1</sup>, Ufuk Alpagut<sup>1</sup>, Enver Dayioglu<sup>1</sup>**

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### EPP19

#### **TYPE I ENDOLEAK: A RARE COMPLICATION AFTER OPEN ABDOMINAL AORTIC ANEURYSM REPAIR**

**Konstantinos Filis, George Galyfos, Jiannis Tsagos, Gerasimos Bazigos, Constantinos Zarmakoupis, Georgios Karantzikos, Fragiska Sigala, Georgios Zografos**

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### EPP20

#### **ATHEROSCLEROSIS RISK FACTORS AND DEGREES OF STENOSIS IN THREE ARTERIAL SITES**

**Aikaterini Angeli, Nikolaos Doulamis**

*National Technical University of Athens, Athens, Greece*

### EPP21

#### VIABAHN FOR THE TREATMENT OF INTERNAL CAROTID ARTERY PSEUDOANEURYSM - CASE REPORT

**Christiana Anastasiadou, George Galyfos, George Kastrisios, George Sahsamannis, Gerasimos Papacharalambous, Chrysostomos Maltezos**

*Vascular surgery department - General hospital of Athens "KAT", Athens, Greece*

### EPP22

#### REPEATED CAROTID ARTERY RUPTURE WITH PSEUDOANEURYSM FORMATION DUE POST-ENDARTERECTOMY PATCH INFECTION-COMBINED SURGICAL AND ENDOVASCULAR MANAGEMENT. A CASE REPORT

**Christos Argyriou, Kalliopi-Maria Tasopoulou, Stefanos Popidis, Efstratios Georgakarakos, Andreas Koutsoumpelis, George S Georgiadis**

*Vascular Department, University General Hospital of Alexandroupolis, Greece*

### EPP23

#### ANTERIOR TIBIAL ARTERY PSEUDOANEURYSM: TWO DIFFERENT PATIENTS AND TWO DIFFERENT TREATMENT MODALITIES

**Didem Melis Oztas, Murat Ugurlucan, Zuhul Torlak, Ufuk Alpagut, Nilgun Bozbuga, Enver Dayioglu**

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### EPP24

#### OPEN ENDARTERECTOMY AND PATCHPLASTY IN PERIPHERAL ARTERIAL DISEASES

**Murat Ugurlucan<sup>1</sup>, Didem Melis Oztas<sup>1</sup>, Cagla Canbay<sup>1</sup>, Ibrahim Erdinc<sup>2</sup>, Ufuk Alpagut<sup>1</sup>**

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### EPP25

#### COMBINATION OF SINGLE ANTIPLATELET THERAPY AND APIXABAN IN PATIENTS UNDERGOING ENDOVASCULAR PROCEDURES FOR PERIPHERAL ARTERIAL DISEASE

**Christina Papadimitriou, Maria Mitka, Ioannis Pliatsios, Konstantinos Alexandris, Ioakeim Giagtzidis, Christos Karkos, Konstantinos Papazoglou**

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### EPP26

#### TREATMENT OF DACRON GRAFT ANEURYSM OF AORTOBIFEMORAL BYPASS GRAFT

**Murat Ugurlucan<sup>1</sup>, Yilmaz Onal<sup>2</sup>, Mehmet Barbuoglu<sup>3</sup>, Mehmet Akif Onalan<sup>1</sup>, Siraslan Bakhshaliyev<sup>1</sup>, Bulent Acunas<sup>3</sup>, Ufuk Alpagut<sup>1</sup>**

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### EPP27

#### SPLANCHNIC REVASCULARIZATIONS

**Didem Melis Oztas<sup>1</sup>, Metin Onur Beyaz<sup>1</sup>, Nihat Aksakal<sup>2</sup>, Omer Ali Sayin<sup>1</sup>, Murat Ugurlucan<sup>1</sup>, Nilgun Bozbuga<sup>1</sup>, Ufuk Alpagut<sup>1</sup>**

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### EPP28

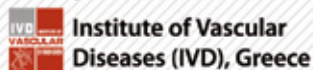
#### THE USE OF THE HELI-FX™ ENDOANCHOR™ SYSTEM FOR THE TREATMENT OF TYPE1A ENDOLEAK AFTER PREVIOUS EVAR

**Ioannis Pliatsios, Maria Mitka, Konstantinos Alexandris, Christina Papadimitriou, Ioakeim Giagtzidis, Christos Karkos, Konstantinos Papazoglou**

*5<sup>th</sup> Department of Surgery, Aristotle University of Thessaloniki, Hippokratio Hospital, Thessaloniki, Greece*



In cooperation with:



**Institute of Vascular  
Diseases (IVD), Greece**

# **ESCVS 2018 SUMMER SCHOOL**

**“Sizing and planning  
in cardiovascular  
and endovascular procedures”**

**May 24-25, 2018, Patras, Greece**

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**Course Directors:** M. Matsagkas, A. Giannoukas

**Secretary:** G. Kouvelos

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**Organizers:**

**The European Society for  
Cardiovascular and Endovascular  
Surgery (ESCVS)**

Executive Committee of ESCVS:

**ESCVS President:** Thierry Folliguet

**President Elect:** Vladislav Treska

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**In collaboration with the**



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of Vascular Diseases (IVD)**

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**President:** Athanasios Giannoukas

**Associate President:** Miltos Matsagkas

**Members:** Nicos Labropoulos

Miltos Lazarides

Ioannis Tsolakis

Dimitrios Tsetis



**16:00-17:45 Part A. Sizing and planning for transcatheter and endovascular procedures**

Chairmen:

**A. Giannoukas** (Greece),  
**M. Thielmann** (Germany)

- 16:00-16:10 Why is it important for the treating physician to know how to measure an aneurysm and how to size and choose the adequate endograft?  
**M. Matsagkas** (Greece)
- 16:10-16:20 Why is it important for the treating physician to know how to measure and size for a TAVI or an open valve replacement?  
**M. Thielmann** (Germany)
- 16:20-16:50 Planning for EVAR-TEVAR: Essential points of interest  
**I. Koncar** (Serbia)
- 16:50-17:20 Planning for TAVI: Essential points of interest  
**M. Thielmann** (Germany)
- 17:20-17:35 3Mensio. Basic features and characteristics of the program  
**G. Kouvelos** (Greece)
- 17:35-17:45 Discussion
- 17:45-18:00 Coffee break

**18:00-19:00 Part B. Sizing and planning in TEVAR**

Chairmen:

**M. Matsagkas** (Greece),

**I. Koncar** (Serbia)

18:00-18:10

Are things different in type B dissections and traumatic rupture?

**A. Lazaris** (Greece)

18:10-18:20

Endograft selection when planning in TEVAR: What to choose and why?

**I. Kakisis** (Greece)

18:20-18:35

Live demonstration: Sizing a thoracic aortic aneurysm for TEVAR

**K. Spanos** (Greece)

18:35-18:50

Case scenario: Planning for a thoracic aortic aneurysm involving the distal arch

**G. Kouvelos** (Greece)

18:50-19:00

Discussion

## 09:00-13:00 Part C. Sizing and planning in EVAR

### 09:00-10:00 General Aspects

Chairmen: **L. Davidovic** (Serbia),  
**D. Palombo** (Italy)

09:00-09:15 Endograft selection when planning in sEVAR: Endografts' characteristics and limitations  
**K. Moulakakis** (Greece)

09:15-09:30 Planning for complex aortic cases: things to know for FEVAR, BEVAR and ChEVAR  
**A. Katsargyris** (Germany)

09:30-09:45 Planning for an iliac branch device. Choosing which device and why?  
**C. Klonaris** (Greece)

09:45-10:00 Discussion - Questions

10:00 - 10:30 Coffee break

### 10:30-12:00 Live demonstration (Interactive session with the audience)

Chairmen: **F. Grego** (Italy),  
**G. Kouvelos** (Greece)

10:30-10:45 Planning an abdominal aortic aneurysm for standard EVAR  
**I. Koncar** (Serbia)

10:45-11:00 Planning a juxtarenal aortic aneurysm for fenestrated EVAR  
**G. Vourliotakis** (Greece)

- 11:00-11:15 Planning a juxtarenal aortic aneurysm for chimney EVAR  
**G. Kouvelos** (Greece)
- 11:15-11:30 Planning an aorto-iliac aneurysm for an iliac branched device  
**K. Spanos** (Greece)
- 11:30-12:00 Discussion
- 12:00-13:00 Case scenarios**  
**Examples of sizing and planning in difficult cases**  
*(Real-world cases that have been treated - Fully interactive with the audience)*  
Chairmen:  
**A. Lazaris** (Greece),  
**A. Katsargyris** (Germany)
- 12:00-12:15 sEVAR  
**A. Lazaris** (Greece)
- 12:15-12:30 ChEVAR  
**M. Matsagkas** (Greece)
- 12:30-12:45 FEVAR  
**A. Katsargyris** (Germany)
- 12:45-13:00 Discussion
- 13:00-14:00 Lunch

## 14:00-17:10 Part D. Sizing and planning in Cardiac procedures

### 14:00-15:00 **Aortic and mitral valve**

Chairmen: **E. Demirsoy** (Turkey),  
**S. Prapas** (Greece)

14:00-14:10 Aortic valve replacement - does size matter?

**M. Planinc** (Croatia)

14:10-14:20 Surgical strategies to avoid PPM in AVR

**E. Demirsoy** (Turkey)

14:20-14:30 Proper sizing for aortic valve repair

**E. Demirsoy** (Turkey)

14:30-14:40 Planning and Sizing in mitral valve repair

**E. Demirsoy** (Turkey)

14:40-14:50 How to size in ischemic mitral valve regurgitation

**E. Demirsoy** (Turkey)

14:50-15:00 Discussion

### 15:00-16:10 **CABG and complex cardiac surgery procedures**

Chairmen:

**M. Thielmann** (Germany),

**E. Demirsoy** (Turkey)

15:00-15:10 CABG in AMI - does time matter?

**M. Thielmann** (Germany)

15:10-15:20 Do we need a plan for CABG surgery?

**F. Santini** (Italy)

15:20-15:30 Sizing the conduits - why and how?

**S. Prapas** (Greece)

- 15:30-15:40 How to plan complex cardiac procedures  
**S. Prapas** (Greece)
- 15:40-15:50 Sizing conduits and trunks in TAAD - tips and tricks  
**D. Iliopoulos** (Greece)
- 15:50-16:00 How to plan in combined CABG and Carotid interventions  
**S.A. Turiano** (Italy)
- 16:00-16:10 Discussion
- 16:10-16:25 **Coffee break**
- 16:25-17:10 **Case scenarios: Examples of sizing and planning in difficult cases**  
*(Real-world cases that have been treated-Fully interactive with the audience)*  
Chairmen: **S. Prapas** (Greece),  
**M. Planinc** (Croatia)
- 16:25-16:40 TAVI case  
**M. Planinc** (Croatia)
- 16:40-16:55 Open cardiac surgery case  
**D. Unic** (Croatia)
- 16:55-17:10 Discussion

**17:10-17:25 Closing Remarks**

Chairmen:

**M. Matsagkas** (Greece),  
**A. Giannoukas** (Greece)

Short comments:

**L. Davidovic** (Serbia),  
**D. Palombo** (Italy)

### A

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#### **Unic Daniel**

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#### **Wanhainen Anders**

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#### **Zambas Neophytos**

*Vascular Surgeon, Limassol, Cyprus*

#### **Zampakis Petros**

*Assistant Professor of Interventional Neuroradiology, University Hospital of Rio, Patras, Greece*

## Satellite Sessions

Friday, May 25<sup>th</sup>, 2018

Hall I-13

### 11:45-12:45 Satellite Meet the Experts Session



#### Treatment of Dysfunctional AV access

Moderators: **A. Giannoukas** (Greece),  
**K. Papazoglou** (Greece)

The Surgical treatment  
**G. Georgiadis** (Greece)

Treatment of failing AV Grafts with plain balloon angioplasty vs stenting  
**K. Spanos** (Greece)

The DCB solution in AV  
**D. Tsetis** (Greece)

Treatment of Dysfunctional AV access. The case  
**D. Karnabatidis** (Greece)

Discussion

Main Lecture Hall

### 12:45-13:30 Satellite Session



Chairman: **M. Matsagakos** (Greece)

Clinical cases with deep venous thrombosis  
- The position of Apixaban  
**S. Kakkos** (Greece)

Main Lecture Hall

### 13:30-14:15 Satellite Session



Chairman: **I. Tsolakis** (Greece)

Looking at different patient needs behind antithrombotic management  
**A. Giannoukas** (Greece)

Saturday, May 26<sup>th</sup>, 2018

Hall I-13

### 12:30-13:30 Satellite Workshop

Medtronic

#### Hands-on workshop on Endoanchoring. Tips and tricks in hostile neck anatomy

HeliFX & Endurant: Indication for infrarenal neck length from 10mm down to 4mm

## Satellite Sessions

Tips & tricks on Sizing and planning for endoanchor implantation

Recorded video case, step by step

Hands on practice

Speaker: **A. Tassiopoulos** (USA)

*"Participation by invitation only"*

**Main Lecture Hall**

**13:40-14:25 Satellite Session**



Chairman: **A. Giannoukas** (Greece)

Clinical cases of prolonged VTE treatment

**M. Matsagkas** (Greece)

**Main Lecture Hall**

**14:40-15:25 Satellite Session**



Chairman: **A. Giannoukas** (Greece)

The GORE® EXCLUDER® Iliac Branch

Endoprosthesis: proven results for internal iliac artery preservation

**M. Matsagkas** (Greece)

Challenging anatomies and device conformability: does it matter in TEVAR?

**D. Dougenis** (Greece)

Introducing the GORE® TAG® Conformable Thoracic Stent Graft with ACTIVE CONTROL System

**K. Oikonomou** (Germany)

**Hall I-11**

**15:25-15:55 Satellite Session**



Chairman: **A. Giannoukas** (Greece)

Two years' experience with InCraft stent graft

**M. Matsagkas** (Greece), **G. Georgiadis** (Greece)

*Companies Gore and Medtronic will be welcoming all delegates at the dedicated sponsors' halls: I-12 and I-11. For more information, please contact the companies' booths.*

## General Information

### Venue

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#### **Conference and Cultural Center of the University of Patras**

University of Patras,  
GR-265 04, Patras, Greece  
fax:+30 2610 994999, tel.:+30 2610 993999,  
e-mail: confer@upatras.gr

### Dates & Hours

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#### **Registration**

Thursday, May 24, 2018	08.30-20.15
Friday, May 25, 2018	08.30-18.30

#### **Scientific Programme**

Thursday, May 24, 2018	14.00-20.15
Friday, May 25, 2018	08.30-18.30
Saturday, May 26, 2018	08.30-18.30

#### **Secretariat/Technical Support/Exhibition**

Thursday, May 24, 2018	08.30-20.15
Friday, May 25, 2018	08.30-18.30
Saturday, May 26, 2018	08.30-18.30

#### **Opening Ceremony**

Thursday, May 24, 2018	19.00-20.00
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#### **Welcome Reception**

Thursday, May 24, 2018	20.15
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#### **Closing Ceremony**

Saturday, May 26, 2018	18.15
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# General Information

## Floorplan



### Exhibition & Draw

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LIVE 2018 is accompanied by a major exhibition where pharmaceutical and/or equipment/device industries will display relevant products and therapeutic developments. The exhibition forms an integral component of the symposium giving the exhibitors the opportunity to promote their activities, research and technologies.

### *Visit the exhibition and take part in the prize Draw!*

We invite you all to catch a glimpse of the industries' latest developments. Visit the exhibition stands, collect **one stamp from each stand** (on the special card which you will find in your bag) and get a chance to be the winner of the special LIVE 2018 prize draw, that will take place during the Closing Ceremony on Saturday, May 26, 2018. Be all there!

#### Be the winner of a(n):

- ✓ iPad Air 2
- ✓ Mobile hard disk drive (2TB)
- ✓ Free registration and accommodation for LIVE 2019 symposium to be held on May 17-19, 2019 in Larissa, Greece

### E-Library

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Through the application of the Symposium **"LIVE 2018"**, all registered delegates by the end of each day will have access to the following electronic congress material and the ability to download them to their mobile devices:

- e-Abstract Book
- ppt Presentations
- Videos of the recorded lectures

### Name Badge - Scanning (mandatory)

All Participants upon confirmation of their registration at the Secretariat will be provided with a **unique Name Badge**, which must be **scanned**, in order to record their attendance for the receipt of their certificate upon completion of the Symposium.

*Your personal name badge is your passport to all scientific sessions and the exhibition area. All participants are required to wear their badges (visibly) during all sessions. Make sure you will not forget to take always with you this unique name badge.*

It must be clearly understood that barcode badges must be scanned **before entering AND after exiting** the session Halls (in order the exact duration of attendance to be recorded).

#### **Notes:**

- Name badge already used for recording credits of attendance cannot be replaced with a second badge (as credits will not be allocated properly).
- Name badges are also necessary to be returned to the Secretariat for receiving the Certificate(s) of Attendance.
- Time slots for satellite sessions and breaks will not be recorded

#### **Also note:**

According to the Regulation of the **Greek National Organization of Medicines**, participation **for at least of 60%** of the total duration of the scientific programme must be secured and recorded!

### Certificate of Attendance

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All registered participants are entitled to receive a **Certificate of Attendance**. The Certificate will be issued only upon return of the name badge and the Evaluation Form (completed) at the Secretariat desk onsite by the end of the Symposium.

The certificate will be available electronically through the official website of the Symposium ([www.live2018.gr](http://www.live2018.gr)) using the provided registration barcode.

### Evaluation Form (mandatory)

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All participants by the end of the Symposium will be requested to complete a relative Evaluation Form (anonymous) as feedback of their experience during the Symposium.

### Technical Support Personnel

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The technical support personnel will be operating during the sessions of the scientific programme in order to assist speakers/presenting authors with their Presentations.

### Liability and Insurance

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The Organizers as well as the Organizing-Administrative Bureau of LIVE 2018 will assume no liability for injuries or losses of any nature incurred by participants and/or accompanying persons, or for the damage, loss or theft of their personal property during the Symposium. Participants are advised to take out their own health, travel and personal insurances.



## General Information

### Organizing-Administrative Bureau/Secretariat

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E-mail: [info@conferre.gr](mailto:info@conferre.gr), Website: [www.conferre.gr](http://www.conferre.gr)

### Webcasting

Watch the recorder sessions of the Symposium on demand, through the application "**LIVE 2018**".

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### Online access and e-evaluation of the programme



Download the free congress app with the name: "**LIVE 2018**" where you can have access to the e-program, download the electronic material of the Symposium, evaluate all sessions, and also leave a comment.

LIVE 2018 Partners:



## General Information

By downloading the application named “**LIVE 2018**”, all participants have the opportunity to look for necessary information regarding this year’s International Symposium. The application “**LIVE 2018**” is compatible to all mobile devices (iOS, Android, Windows).

Discover the highlights of the Symposium through the e-program and save them on your device.

Browse the day program, or a specific speaker, save sessions in your calendar and make your own program.

Watch the videos of all sessions on demand and download the recorded lectures of your interest.

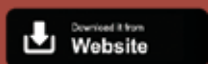
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*Note: Access to the application will be provided only to registered participants. A corresponding code will be provided onsite.*

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## Acknowledgements

IVD would also like to thank the following societies and congresses for their support and mutual collaboration until today with LIVE.

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## Acknowledgments



Vascular Access Society



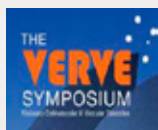
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Hellenic Society of Vascular  
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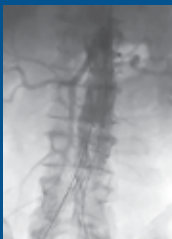
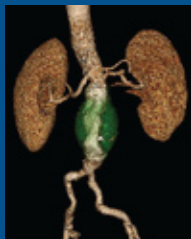
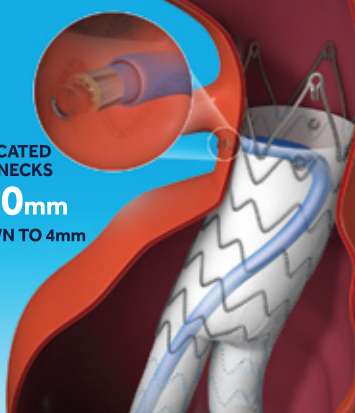


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