

# 5<sup>th</sup> Masterclass in Arthroplasty Surgery

## Current Concepts in Hip & Knee Reconstruction

# 5 MAST

World's  
**2<sup>nd</sup> Virtual Reality  
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in Arthroplasty

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Approved by: EFORT

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PROGRAM**

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5<sup>th</sup> Masterclass has been accredited by the  
European Accreditation Council  
for Continuing Medical Education (EACME®)  
with 20 European CME credits (ECMEC®s)

**07-09  
DECEMBER 18**

Concert Hall  
**Thessaloniki**





# Masterclass in ARTHROPLASTY SURGERY

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Thessaloniki



## WELCOME ADDRESS

Dear Colleagues

On behalf of the European Hip Society (EHS), it is our pleasure to invite you to the 5<sup>th</sup> Masterclass in Arthroplasty Surgery Conference, which will take place on December 7<sup>th</sup>-9<sup>th</sup> 2018 in Thessaloniki. Over 100 presentations will be delivered by 46 distinguished National & International experts in a very intense 3 day course.

MAST 5 will present all the current hip and knee arthroplasty concepts and debates, enhanced by a full day of hands on practical sessions focusing on Revision Arthroplasty and related Technology. The majority of the presentations are video-based as the primary aim is to technically educate Orthopaedic Specialists with an interest in joint arthroplasty & revision.

Delegates will also have the opportunity to experience the Hip & Knee Virtual Reality Training Platform and young Specialists who wish to apply for the Tsiridis-Frimley Park Fellowship will have a preliminary interview with the faculty.

We are looking forward to welcoming you in the hospitable city of Thessaloniki.

Kind regards

**Eleftherios Tsiridis**  
MD, PhD, FACS, FRCS  
Congress President

**Fares Sayegh**  
MD, PhD  
President of Scientific  
Committee

**Jean-Alain Epinette**  
MD, PhD  
President of EHS



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## COMMITTEES

### ORGANIZING COMMITTEE

President - Chair: **Tsiridis E.**

Epinette J.A.  
Sayegh F.  
Potoupnis M.  
Macheras G.  
Beletsiotis A.  
Bitounis V.  
Alvanos D.

Digas G.  
Dionellis P.  
Papavasiliou K.  
Gkoutziomitrou E.  
Ioannidis G.  
Kenanidis E.  
Topalis Chr.

---

### SCIENTIFIC COMMITTEE

President - Chair: **Sayegh F.**

#### Hellenic

Malizos K.  
Megas P.  
Papagelopoulos P.  
Karachalios Th.  
Babis G.  
Tsiridis E.  
Drosos G.  
Galanis N.  
Potoupnis M.  
Nikolaou P.  
Nikolaou V.  
Tilkeridis K.

#### International

Epinette J.A.  
Macauley W.  
Kendoff D.  
Atilla B.  
Long W.  
Trebse R.  
Poultides L.  
Marin-Pena O.  
Sturridge S.

## FACULTY

#### Hellenic

Adam St.  
Alvanos D.  
Babis G.  
Beletsiotis A.  
Bitounis V.  
Christodoulou A.  
Christoforidis I.  
Digas G.  
Dionellis P.  
Drosos G.  
Galanis N.  
Givissis P.  
Goutziomitrou E.  
Ioannidis G.  
Kapetanios G.  
Karachalios Th.  
Koukoubis Th.

Macheras G.  
Malizos K.  
Megas P.  
Metaxiotis D.  
Nakopoulos I.  
Nikolaou P.  
Nikolaou V.  
Papadopoulos P.  
Papagelopoulos P.  
Papavasiliou K.  
Petsatodis G.  
Potoupnis M.  
Sarris I.  
Sayegh F.  
Tilkeridis K.  
Topalis Chr.  
Tsiridis E.

#### International

Atilla B.  
Charity J.  
Christofilopoulos P.  
Epinette J. A.  
Fontalis A.  
Kenanidis E.  
Kendoff D.  
Kyriakidis Th.  
Long W.  
Macauley W.  
Marin Pena O.  
Moazen M.  
Poultides L.  
Sturridge S.  
Trebše R.  
Wang K.



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## PROGRAM

Friday December 7<sup>th</sup> 2018

### KNEE DAY - Combined Sessions & Video Surgery

#### 08.00-09.00 THE PRIMARY TKA (video-based presentation)

Chairmen: **Epinette J.A., Tsiridis E.**

Fixed Valgus knee

**Dionellis P.**

The unstable Valgus knee is worst

**Nikolaou V.**

Post traumatic deformities & TKA

**Kenanidis E.**

The obese and osteoporotics

**Adam St.**

PS or CR best survival

**Drosos G.**

Discussion

#### 09.00-10.00 NAVIGATION AND ROBOTICS UPDATE

Chairmen: **Petsatodis G., Beletsiotis A.**

Hand held navigation for knees

**Dionellis P.**

Unis: medial lateral patellofemoral

**Epinette J.A.**

Patient specific TKA is it necessary?

**Valanos N.**

Kinematic vs mechanical alignment

**Sturridge S.**

Discussion



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Friday December 7<sup>th</sup> 2018

### 10.00-11.00 REVISION TKA (video-based presentation)

Chairmen: **Long W., Sturridge S.**

Exposure for revision Q-snip and tibial osteotomy

**Atilla B.**

Stems, Cones, Sleeves

**Ioannidis G.**

Constraint variances and indications

**Sayegh F.**

Extensor mechanism reconstruction

**Kyriakidis Th.**

Periprosthetic Knee fractures

**Galanis N.**

Discussion

### 11.00-11.30 Coffee Break

### 11.30-13.00 COMBINED HIP AND KNEE SESSION: PERIOPERATIVE CARE

Chairmen: **Kapetanios G., Kendoff D.**

Outpatient arthroplasty how realistic it is

**Macauley W.**

Close to normal principle in total knee arthroplasty

**Karachalios Th.**

Management of blood loss

**Drosos G.**

Pain management in THA and TKA: Nerve blocks vs LIA

**Goutziomitrou E., Koutouzas A.**

Thromboprophylaxis Hip and Knee the European guidelines

**Fontalis A.**

Evidence for Aspirin how long how much?

**Givissis P.**

Discussion





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## PROGRAM

Friday December 7<sup>th</sup> 2018

### 13.00-14.00 COMBINED HIP AND KNEE SESSION: INFECTION MANAGEMENT

Chairmen: **Drosos G., Karachalios Th.**

Infection diagnostic markers update

**Papadopoulos P.**

Early and late infection microbial profile

**Trebse R.**

Wash out when how and how many times?

**Koukoubis Th.**

Partial implant retention: is it acceptable?

**Kendoff D.**

Discussion

14.00-14.30 Coffee Break

### 14.30-16.00 VIDEO SURGERY: CHALLENGING KNEE CASES

Chairmen: **Kendoff D., Macauley W., Sturridge S.**

Valgus TKA

**Long W.**

Post traumatic TKA

**Tsiridis E.**

CCK TKA for revision

**Tsiridis E.**

Tumor prosthesis for revision TKA

**Tsiridis E.**

Extensor mechanism reconstruction with mesh

**Long W.**

Discussion



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Friday December 7<sup>th</sup> 2018

### 16.00-17.30 VIDEO SURGERY: CHALLENGING HIP CASES

Chairmen: **Epinette J.A., Long W.**

Hip Impaction Grafting

**Charity J.**

Revision cemented THA using ETO and cement in cement socket revision

**Charity J.**

Revision B2 periprosthetic fracture to modular anatomical distal tapered stem

**Tsiridis E.**

Tumor prosthesis THA revision

**Nakopoulos I.**

TM cup and augment socket revision

**Tsiridis E.**

Discussion

### 18.00-19.00 Opening Ceremony

Welcome Addresses

**Kesisoglou Isaak**

*Director, Surgery Section, School of Medicine,  
Faculty of Health Sciences, Aristotle University, Thessaloniki, Greece*

**Karagiannis Asterios**

*President, School of Medicine, Faculty of Health Sciences,  
Aristotle University, Thessaloniki, Greece*

**Dardavesis Theodoros**

*Dean, Faculty of Health Sciences, Aristotle University, Thessaloniki, Greece*

**Dellios J. George**

*Vice Rector for Human Resources, Professor of Law School,  
Aristotle University, Thessaloniki, Greece*

Welcome Speech

Shifting the Paradigm: Educating for 21<sup>st</sup> Century Needs

**Vlachos Panos**

*President Anatolia College/American College of Thessaloniki*

### 19.00-20.00 Cocktail Reception



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## PROGRAM

Saturday December 8<sup>th</sup> 2018

### HIP DAY

#### 08.00-09.00 CONSERVATIVE HIP SURGERY (video based presentation)

Chairmen: **Sturridge S., Macheras G.**

Hip School: Understanding radiographs & treatment  
**Kenanidis E.**

Hip Arthroscopy: to be or not to be  
**Christofilopoulos P.**

Safe Hip Dislocation: myth and realities  
**Tsiridis E.**

Hip osteotomies for young adults  
**Metaxiotis D.**

PAO surgery: who dares wins?  
**Marin-Pena O.**

Discussion

#### 09.00-10.00 HIP APPROACHES & SPINO PELVIC INSTABILITY (video based presentation)

Chairmen: **Babis G., Christodoulou A.**

Mini anterior vs mini posterior  
**Bitounis V.**

Is the anterior really extendable?  
**Christofilopoulos P.**

Why posterior is better for dysplasia and revision  
**Sturridge S.**

Spino-pelvic instability: understanding and implementation  
**Marin-Pena O.**

Primary THA in a Hip with previous surgery  
**Macheras G.**

Discussion



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Saturday December 8<sup>th</sup> 2018

### 10.00-11.00 INTRAOPERATIVE AND EARLY POSTOPERATIVE COMPLICATIONS

Chairmen: **Petsatodis G., Christoforidis I., Nikolaou P.**

Intraoperative acetabular fractures: don't ignore the enemy  
**Tilkeridis K.**

Failed acetabular fixation: cement or not cement  
**Bitounis V.**

Early stem subsidence: who to blame?  
**Babis G.**

Component malposition and LL discrepancy  
**Koukoubis Th.**

Biofilm updates: too late to salvage the prosthesis  
**Malizos K.**

Early infection: definition and management  
**Trebse R.**

Discussion

11.00-11.30 Coffee Break



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## PROGRAM

Saturday December 8<sup>th</sup> 2018

### 11.30- 13.00 REGISTRY RESULTS, BEARING SURFACES, SOCKET & STEM DESIGNS

Chairmen: **Bitounis V., Epinette J.A.**

Cemented vs Uncemented for the over 70  
**Charity J.**

Uncemented stem designs: does one fit all patients  
**Kenanidis E.**

Short stems: are they here to stay?  
**Drosos G.**

Is ceramic on poly the best couple?  
**Papavasiliou K.**

Monoblock sockets revisited  
**Macheras G.**

Dual mobility updates  
**Epinette J.A.**

Constrained liners: are they still usefull  
**Nikolaou V.**

Taper corrosion & neck modularity ALVAL: diagnostic protocol  
**Kendoff D.**

Stem design and choice for the obese  
**Sayegh F.**

Discussion

### 13.00-13.30 NEW TECHNOLOGIES ROBOTICS & NAVIGATION

Chairmen: **Christodoulou A., Sayegh F., Moazen M.**

Macoplasty Hip  
**Tsiridis E.**

Navigation will it be disappear after robots  
**Macauley W.**

Finite Element Analysis and implant design in arthroplasty  
**Wang K.**

How to remove implants and cement  
**Govaers K.**

Discussion



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## PROGRAM

Saturday December 8<sup>th</sup> 2018

### 13:30-14:00 **ROBOTICS & NAVIGATION: NEW CONCEPTS IN JOINT ARTHROPLASTY**

Chairman: **Tsiridis E.**

VR & AR navigation prospects: the future is here

**Macauley W.**

The war of robots: Robotic Arm Assisted Surgery vs Robots

**Long W.**

14.00-14.30 **Coffee Break**

### 14.30-15.30 **YOUNG ADULT THA FOR DEFORMITY OF THE HIP (video based presentation)**

Chairmen: **Babis G., Macheras G.**

Classification and radiological assessments

**Topalis Chr.**

DDH dealing with the socket reconstruction

**Atilla B.**

DDH dealing with the femoral site

**Karachalios Th.**

Shortening osteotomy for Hartofylakidis C. dislocations how to do it

**Kendoff D.**

Dealing with the valgus unstable knee after THA for DDH: Osteotomy?

**Nakopoulos J.**

Discussion





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Saturday December 8<sup>th</sup> 2018

### 15.30-16.45 **SOCKET REVISION UPDATE (video based presentation)**

Chairmen: **Bitounis V., Kendoff D.**

Classification of the socket

**Atilla B.**

Removing the cemented and uncemented socket

**Babis G.**

Trabecular metal augments: is it the gold standard?

**Megas P.**

Jumbo sockets, cup on cup and cages

**Marin Pena O.**

Chronic pelvic dissociation distraction technique

**Sturridge S.**

Custom triflanges

**Tilkeridis K.**

Discussion

### 16.45-17.30 **STEM REVISION UPDATE (video-based presentation)**

Chairmen: **Sayegh F., Trebse R.**

ETO how to do it properly & a new concept

**Megas P.**

Cemented IG technique

**Charity J.**

Uncemented modular distal tapered anatomical stems are they better?

**Papagelopoulos P.**

Discussion



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## PROGRAM

Saturday December 8<sup>th</sup> 2018

### 17.30- 18.30 THA COMPLICATIONS UPDATE 2018

Chairmen: **Charity J., Malizos K.**

Diagnosis of infection: A practical algorithm  
**Sarris I.**

Stage 1 vs stage 2 revision: Is it allowed and when?  
**Trebse R.**

What to do for abductor insufficiency  
**Christofilopoulos P.**

Periprosthetic femoral fractures  
**Potoupnis M.**

Periprosthetic acetabular fractures  
**Tilkeridis K.**

Dislocations is it still a problem with the larger heads?  
**Papagelopoulos P.**

Discussion



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### PROGRAM

Sunday December 9<sup>th</sup> 2018

#### PRACTICAL HANDS ON SESSIONS & FELLOWSHIP EXAMS

**08:00-09:00** Examinations for the Tsiridis Frimley Park Orthopaedic fellowship

**09:00-11:00** Interviews for the Tsiridis Frimley Park Orthopaedic fellowship  
UK & Hellenic faculty

**09.00-13.00** **HANDS ON WORKSHOP**  
**Sayegh F., Nikolaou V., Sturridge S., Charity J., Drosos G.,**  
**Potoupnis M., Tilkeridis K., Dionellis P., Koukoumbis Th.,**  
**Ioannidis G., Nakopoulos I., Kenanidis E., Topalis Chr.**

Hip revision: Modular stems and socket augments

Knee revision: TC3, CCK and tumor prosthesis

Exeter Hip Course: cemented THA technique (Exeter certificate)

Cemented spacers

VR training in arthroplasty THA TKA

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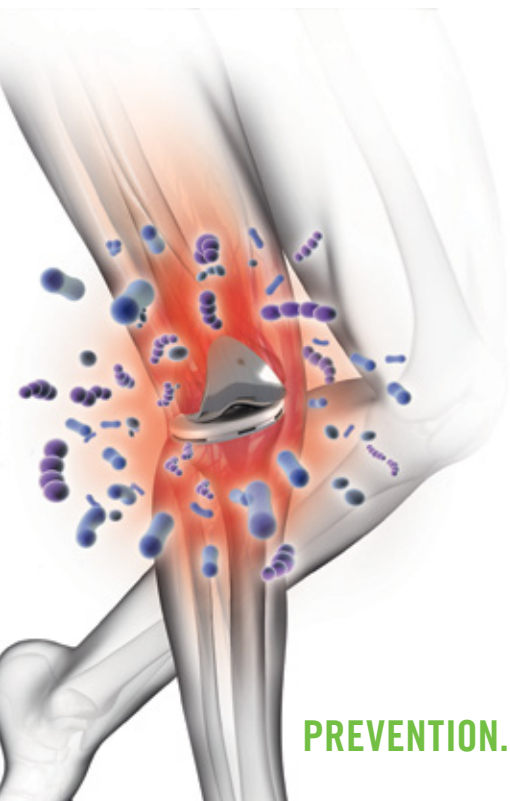


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# INFECTION MANAGEMENT

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## INDEX OF SPEAKERS

### **Adam Stergios**

Orthopaedic Surgeon, Thessaloniki, Greece

### **Atila Bullent**

Professor of Orthopaedics and Traumatology, Hacettepe University, Dpt. of Orthopaedics and Traumatology, Ankara, Turkey

### **Babis Georgios**

Professor and Chairman of Orthopaedic Surgery, National and Kapodistrian University of Athens, Greece

### **Beletsiotis Anastasios**

Director of Orthopaedic Dpt., Papageorgiou General Hospital, Thessaloniki, Greece

### **Bitounis Vassilios**

Consultant Orthopaedic Surgeon, Athens, Greece

### **Charity John**

Assoc. Specialist in Trauma and Orthopaedics, Elective and Trauma Hip Surgery, Princess Elizabeth Orthopaedic Centre, Exeter, UK

### **Christodoulou Anastasios**

Professor of Orthopaedic Surgery, Aristotle University of Thessaloniki, Thessaloniki, Greece

### **Christofilopoulos Panayiotis**

Chief Surgeon, Hôpital de La Tour, Geneva, Switzerland

### **Christoforidis Ioannis**

Emeritus Professor of Orthopaedics, Aristotle University of Thessaloniki, Greece

### **Dionellis Panayiotis**

Consultant Orthopaedic & Trauma Surgeon, Kilikis General Hospital, Hippokration General Hospital of Thessaloniki, Greece

### **Drosos Georgios**

Assoc. Professor of Orthopaedic Surgery, Democritus University of Thrace, Alexandroupolis, Greece

### **Epinette Jean Alain**

President of the European Hip Society, Clinique Medico-Chirurgicale, Orthopaedic Department, Bruay Labuissière, France

### **Fontalis Andreas**

Department of Oncology and Metabolism, University of Sheffield, Sheffield, UK

### **Galanis Nikiforos**

Assist. Professor of Orthopaedic Surgery, Papageorgiou General Hospital, Aristotle University of Thessaloniki, Greece

### **Givissis Panagiotis**

Professor of Orthopaedic Surgery, Head of 1<sup>st</sup> Orthopaedic Clinic, Aristotle University of Thessaloniki, Thessaloniki, Greece

### **Goutziomitrou Evangelia**

Director of Anesthesiology Department, Papageorgiou General Hospital, Thessaloniki, Greece

### **Govaers Kris**

Consultant Orthopaedic Surgeon, St. Blasius Hospital, Antwerp, Belgium





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### **Ioannidis Georgios**

Consultant Orthopaedic Surgeon,  
Hip and Knee Reconstruction, Euromedica,  
Thessaloniki, Greece

### **Kapetanios Georgios**

Emeritus Professor of Orthopaedic Surgery,  
Aristotle University of Thessaloniki, Greece

### **Karachalios Theofilos**

Professor of Orthopaedic Surgery,  
University of Thessaly, Larissa, Greece

### **Kenanidis Eustathios**

Consultant Orthopaedic Surgeon, ICAROS,  
Thessaloniki, Greece  
Honorary Senior Research Associate, UCL  
Department of Mechanical Engineering,  
London, UK

### **Kendoff Daniel**

Surgeon in Chief, Helios Klinikum Berlin  
Buch, Germany

### **Koukoumbis Theodosios**

Consultant Orthopaedic Surgeon,  
Interbalkan Medical Center,  
Thessaloniki, Greece

### **Koutouzas Aristidis**

Consultant of Anesthesiology Department,  
Papageorgiou General Hospital,  
Thessaloniki, Greece

### **Kyriakidis Theofilaktos**

Consultant Orthopaedic Surgeon,  
Department of Orthopaedic Surgery and  
Traumatology, Erasme University Hospital,  
Universite Libre de Bryxelles, Brussels,  
Belgium

### **Long William**

Assoc. Clinical Professor of Orthopaedic  
Surgery, New York University, New York, USA

### **Macauley William**

Professor of Orthopedic Surgery, Medical  
Director, International Patient Services,  
NYU Langone Health, USA

### **Macheras Georgios**

Consultant Orthopaedic Surgeon,  
KAT Hospital, Athens, Greece

### **Malizos Konstantinos**

Professor of Orthopaedic Surgery,  
Chairman of Orthopaedic Surgery  
& Musculoskeletal Trauma,  
University of Thessaly, Larissa, Greece

### **Marín-Peña Óliver**

Consultant of Orthopedic Surgery and  
Traumatology, Hip-Knee Orthopedic  
Department, University Hospital Infanta  
Leonor, Madrid, Spain

### **Megas Panayiotis**

Professor of Orthopaedic Surgery,  
University of Patras, Greece

### **Metaxiotis Dimitrios**

Consultant Orthopaedic Surgeon,  
Papageorgiou General Hospital,  
Thessaloniki, Greece

### **Moazen Mehran**

Lecturer in Biomedical Engineering,  
UCL Mechanical Engineering,  
University College London, London, UK

### **Nakopoulos Ioannis**

Consultant Orthopaedic Surgeon, ICAROS  
Thessaloniki, Greece



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### **Nikolaou Pantelis**

Orthopaedic Surgeon, Director of the Orthopaedic Clinic, Sports Medicine Division, Athens Medical Center, Greece

### **Nikolaou Vassilios**

Assist. Professor of Orthopaedics, School of Medicine, National and Kapodistrian University of Athens, Greece

### **Papadopoulos Periklis**

Assoc. Professor, Chairman of the Orthopaedic Department, G. Gennimatas General Hospital, Thessaloniki, Greece

### **Papagelopoulos Panayiotis**

Professor of Orthopaedic Surgery, Director of the University Orthopaedic Department, Attikon Hospital, National and Kapodistrian University of Athens, Greece

### **Papavasiliou Kyriakos**

Consultant Orthopaedic Surgeon, Papageorgiou General Hospital, Thessaloniki, Greece

### **Petsatodis Georgios**

Emeritus Professor of Orthopaedics, Aristotle University of Thessaloniki, Greece

### **Potoupnis Michael**

Assist. Professor of Orthopaedic Surgery, Papageorgiou General Hospital, Aristotle University of Thessaloniki, Greece

### **Sarris Ioannis**

Assoc. Professor of Orthopaedic Surgery, Aristotle University of Thessaloniki, Greece

### **Sayegh Fares**

Professor of Orthopaedic Surgery, Director of the 3<sup>rd</sup> Orthopaedic Department, Papageorgiou General Hospital, Aristotle University of Thessaloniki, Greece

### **Sturridge Sebastian**

Consultant Orthopaedic Surgeon, Frimley Park Hospital Foundation Trust, Portsmouth, UK

### **Tilkeridis Konstantinos**

Assist. Professor in Trauma & Orthopedics, Democritus University of Thrace, Greece

### **Topalis Christos**

Consultant Orthopaedic Surgeon, ICAROS Thessaloniki, Greece

### **Trebše Rihard**

Assist. Professor, Valdoltra Orthopaedic Hospital, Ankaran, Slovenia

### **Tsiridis Eleftherios**

Professor of Orthopaedic Surgery, Papageorgiou General Hospital, Aristotle University of Thessaloniki, Greece  
Secretary General European Hip Society

### **Valanos Nikolaos**


Consultant Orthopaedic Surgeon, Papageorgiou General Hospital, 3<sup>rd</sup> Orthopaedic Department, Thessaloniki, Greece

### **Wang Katherine**

PhD Candidate in Biomechanics and Implant Design, University College London, Middlesex London, UK

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## PRACTICAL HANDS ON SESSIONS

Sunday December 9<sup>th</sup> 2018

09.00-13.00

### HANDS ON WORKSHOP

**Sayegh F., Nikolaou V., Sturridge S., Charity J., Drosos G.,  
Potoupnis M., Tilkeridis K., Dionellis P., Koukoubis Th.,  
Ioannidis G., Nakopoulos I., Kenanidis E., Topalis Chr.**

Hip revision: Modular stems and socket augments


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Knee revision: TC3, CCK and tumor prosthesis

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Exeter Hip Course: cemented THA technique (Exeter certificate)

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Cemented spacers

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VR training in arthroplasty THA TKA

Sponsored by  ORama VR



# Masterclass in ARTHROPLASTY SURGERY

07-09  
DECEMBER 18

Concert Hall  
Thessaloniki



## GENERAL INFORMATION

### Dates and Congress Venue

December 7th - 9th 2018

Thessaloniki Concert Hall

(25, Martiou Street, Building M2, Glass building, Tel: + 30 2310 895904, <http://www.tch.gr>)

### Registration Fees

	Registration Fee
Specialist	200€
Residents	150€
Physiotherapists	100€
Nurses / Students	20€
Workshop: Hip revision	120€
Workshop 1: Knee revision	120€
Workshop 2: Exeter Hip Course: cemented THA technique	120€
Workshop 3: Cemented spacers	120€
Workshop 4: VR training in arthroplasty THA TKA	120€

*The above mentioned rates include VAT 24%*

### Registration Fees Include

- Attendance to the Scientific Program
- Congress material
- Admission to the Exhibition
- Certificate of attendance

### The registration fees for Students Include

- Attendance to the Scientific Program
- Certificate of Attendance
- Admission to the exhibition
- Registration to a workshop requires registration to the Masterclass

### Official Language

English will be the official language of the Congress and no simultaneous translation will be provided.

### CME Accreditation

The 5<sup>th</sup> Masterclass in Arthroplasty Surgery has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) for a maximum of 20 European CME credits (ECMEC®s).



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## GENERAL INFORMATION

### Certificate of Attendance

According to the European Accreditation Council for Continuing Medical Education (EACCME®), each medical specialist should claim only those credits that he/she actually spent in the educational activity.

Certificates will be provided after the completion of the Scientific Program.

### Bar Code

A bar code system will be implemented during the Congress, to register the general participation of all delegates.

### Congress Badge

Delegates are obliged to show their congress badge at the entrance of congress hall for their attendance time to be registered.

### Exhibition

Within the Congress area there will be an exhibition of medical equipment and pharmaceutical products.

### Presentations

Available visual equipment for all presentations will be through power point presentation. For power point use, your presence to the "technical reception desk" is required one hour prior to the time of your presentation in order to check the compatibility of your cd or usb stick and to copy the relevant files.

### Insurance

We cannot accept responsibility for any personal loss, accidents or damages to participants and/or accompanying persons.

Participants are strongly advised to obtain personal insurance to cover any eventuality that may occur during the Congress.

### Congress Secretariat



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E-mail: [info@globalevents.gr](mailto:info@globalevents.gr)

**Athens:** 2 Valestra str. & 168 A. Syngrou Av., 17671 Kallithea, Athens, Greece  
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## ACKNOWLEDGEMENTS

The Organizing Committee would like to acknowledge the success of the congress to the following companies-partners



Menarini Hellas



Heraeus

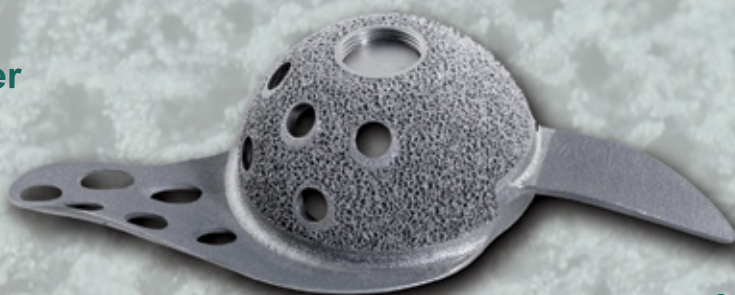




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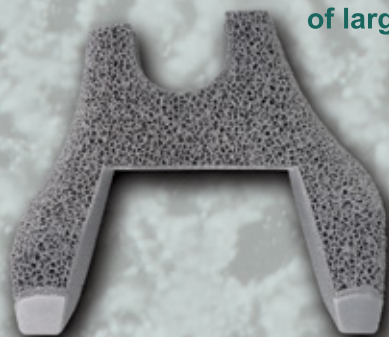
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## NOTES

This image shows a full page of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page, providing a template for handwriting practice or general writing. There are no margins, text, or other markings on the page.





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#### References

1. Wuestemann T, Bastian A, Schmidt W, et al. A novel technique for studying proximal femoral bone morphology for hip implant design. 56th ORS Annual Meeting, New Orleans, LA, USA, March 6-9, 2010. Poster #2217.
2. Wuestemann T, Bastian A, Parvizi J, et al. A novel tapered hip stem design optimized for femoral fit in a wide array of bone types. 12th EFORT Congress, Copenhagen, Denmark, 1-4 June 2011. Presentation. Fit based on 556 CT scans.

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