9th Masterclass in Arthroplasty Surgery
TheSSaloniki

Current concepts in Advanced Arthroplasty Surgery

16-18 December 2022
Porto Palace Hotel Thessaloniki

Organised by
EUROPEAN HIP SOCIETY

Endorsed by
TSIRIDIS ORTHOPAEDIC INSTITUTE
EFORT

Under the auspices of
ARISTOTLE UNIVERSITY OF THESSALONIKI
PAPAGEORGIOU GENERAL HOSPITAL
WELCOME ADDRESS

On behalf of the European Hip Society, it is our pleasure to invite you to the 9th Masterclass in Arthroplasty Surgery Thessaloniki, from 16th - 18th December 2022 with the topic: Advances in Arthroplasty - What's new in complex adult reconstruction & new technologies?

This year we will keep the competitive spirit enjoyed at last year’s Ortho Olympics with the “Aristotle MAST Award 2022”. The prize will be judged by a senior committee and presented by the Dean of the Aristotle University Medical School of Thessaloniki, who will name the most senior presenter of the winning team, Visiting Professor. In addition, we will also establish the “MAST “Endoxa” Consensus Report”, hopefully leading to a multi-centre publication.

Our distinguished international colleagues will present their centre’s best research data of the year and video surgery presentation throughout Friday and Saturday, while Sunday will be dedicated to our popular hands on workshops.

As always, our primary aim is to technically educate orthopaedic specialists to gain an invaluable insight into joint arthroplasty and revision from the world leaders.

Best regards,

Eleftherios Tsiridis
MAST President
EHS President Elect
President Hellenic Hip and Knee Society

Klaus Siebenrock
EHS President
MAST President and Anchorman

Eleftherios Tsiridis

Scientific Committee

Matthew P. Abdel
George Babis
Vasilios Bitounis
Martin Buttaro
Panos Gkikas
Fujita Hiroshi
Theofilos Karachalios
Eftstathios Kenanidis
Panagiotis Megas

Phil Mitchell
Panayiotis Papagelopoulos
Spyridon Pneumatikos
B. Willem Schreurs
Ran Schwarzkopf
Rihard Trebše
Howard Ware
Georgios Drosos

Award Committee

for the Aristotle MAST Award 2022

Vasilios Bitounis
Panos Gkikas
Theofilos Karachalios

Phil Mitchell
B. Willem Schreurs
Howard Ware
## Scientific Program

### Friday, December 16th 2022

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<th>Discussion Panel</th>
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<tr>
<td>08.30-11.00</td>
<td></td>
<td>Eleftherios Tsiridis, Efstathios Kenanidis, Konstantinos Tilkeridis</td>
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### 08.30-09.00

#### 2nd Orthopaedic Department, Kat Hospital Athens

**Data:** TKA after failed ORIF in tibia plateau fractures

*Dimitrios Pallis*

**Video:** Personalized TKA following a failed ORIF

*Stamatios A. Papadakis*

### 09.00-09.30

#### 3rd Department of Orthopaedic Surgery, General Hospital of Attica Kat, National and Kapodistrian University of Athens

**Introduction:** Spyridon Pneumatikos

**Data:** Osteonecrosis of femoral head: What’s new in joint preserving surgical treatment?

*John Vlamis*

**Video:** Diagnosis and treatment of distal femoral chondrosarcoma with simultaneous avascular necrosis of the femoral head

*Elias Vasiliadis*

### 09.30-10.00

#### Laboratory for Research of Musculoskeletal System

**Data:** Study osteoarthritis: How sex, age and bone mass index affect the progression of osteochondral micro-defects and the accompanying cellular alterations during osteoarthritis progression

*Efstathios Chronopoulos*

**Video:** Surgical technique and gait analysis: Gluteus maximus transfer for proximal femur prosthesis

*Vasileios Kontogeorgakos*
SCIENTIFIC PROGRAM

Friday, December 16th 2022

HELLENIC HIP AND KNEE SOCIETY

10.00-10.30

1ST ORTHOPAEDIC DEPARTMENT, G. GENNIMATAS GENERAL HOSPITAL
ATHENS

Data: Kinematically aligned TKA: Our experience and results
Nikolaos Patsiogiannis

Video: One-stage Total Knee Arthroplasty over pre-existing
fracture deformity using patient-specific instrumentation
Konstantinos Kateros

10.30-11.00

ACADEMIC ORTHOPAEDIC DEPARTMENT, UNIVERSITY GENERAL HOSPITAL OF ALEXANDROUPOLIS
DEMOCRITUS UNIVERSITY OF THRACE

Data: Preliminary characterization of the composition and
neutrophil-activating potential of synovial fluid from osteoarthritis
patients
Konstantinos Tilkerdts, Konstantinos Marmanis

Video: Videosurgery technique of a didactic case
Georgios Drosos

11.00-11.30

Coffee Break

11.30-15.00

DISCUSSION PANEL
Vasileios Nikolaou, Vasilios Bitounis, Georgios Drosos

11.30-12.00

ACADEMIC ORTHOPAEDIC DEPARTMENT, GENERAL HOSPITAL OF LARISSA
UNIVERSITY OF THESSALY

Data: Model based RSA for in vivo evaluation of TKA kinematics
Theofilos Karachalios

Video: Manual instrumentation, augmented reality and new
generation robotics for kinematic alignment in TKA
Theofilos Karachalios
**Scientific Program**

**Friday, December 16th 2022**

**HELLENIC HIP AND KNEE SOCIETY**

**12.00-12.30**

**2ND ACADEMIC ORTHOPAEDIC DEPARTMENT, KONSTANTOPOULEIO GENERAL HOSPITAL NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS**

**Data:** Unrestricted, Caliper-Verified, Kinematically Aligned TKA. Surgical technique and early results from 60 consecutive patients

**Vasileios Nikolaou**

**Video:** “Digging dip in the hole” A case of acetabular cup protrusion and its management

**George Babis**

**12.30-12.40**

**“ATHENA” KEY NOTE LECTURE**

Chairman: **Eleftherios Tsiridis**

THA approaches: A balanced overview from a high volume surgeon

**Vasilios Bitounis**

**12.40-13.10**

**1ST ACADEMIC ORTHOPAEDIC DEPARTMENT, ATTIKON GENERAL HOSPITAL NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS**

**Data:** Revision of megaprosthesis: indications, techniques and outcomes

**Panayiotis Papagelopoulos**

**Video:** How to address megaprosthesis complications

**Christos Vottis**
Scientific Program

Friday, December 16th 2022

13.10-13.40

**ACADEMIC ORTHOPAEDIC DEPARTMENT, GENERAL HOSPITAL OF PATRAS**

UNIVERSITY OF PATRAS

**Data:** Alterations in small non-coding RNAs (miRNAs) and the potential role in the development of aseptic loosening after total hip replacement

_Irini Tatani, Spiros Papagiannis_

**Video:** Complex THA: Addressing a challenging proximal femoral deformity in a patient with DDH

_Panagiotis Megas, Irini Tatani_

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13.40-14.30

**THE DIAMOND ROUND TABLE: INFECTION MANAGEMENT**

VALDOLTRA ORTHOPEDIC HOSPITAL

SLOVENIA

Slovenia time 12.40-13.30

Chairmen: **Eleftherios Tsiridis, Rihard Trebše**

DAIR - The best solution for PJI?

_Rene Mihalič_

How to treat unconfirmed but probable PJI?

_Martin Clauss_

Beyond one versus two stage dilemma

_Rihard Trebše_

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14.30-15.00

_Light Lunch_
### Scientific Program

**Friday, December 16th 2022**

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<td>15.00-15.30</td>
<td>QUEEN MARY HOSPITAL, THE UNIVERSITY OF HONG KONG (HK)&lt;br&gt;Hong Kong time 21.00-21.30</td>
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<tr>
<td></td>
<td><strong>Data:</strong> Prediction of Lower Limb Arthroplasty Sizes with Patient Demographics, Hand and Foot Sizes&lt;br&gt;<strong>Vincent Chan</strong></td>
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<td></td>
<td><strong>Video:</strong> Cemented Nail-Plate Construct as 1.5-stage Exchange Arthroplasty for Periprosthetic Joint Infection in Total Hip Arthroplasty with Massive Bone Defect&lt;br&gt;<strong>Lewis PK Chan</strong></td>
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<tr>
<td>15.30-16.00</td>
<td>TEAM JSRA, KIOTO BRANCH (HF) AND YOKOHAMA BRANCH (YI)&lt;br&gt;Japan time 22.30-23.00</td>
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<tr>
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<td><strong>Data:</strong> Medullary dilatation technique for a narrow canal in cemented THA&lt;br&gt;<strong>Fujita Hiroshi</strong></td>
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<td><strong>Video:</strong> Complex primary total hip arthroplasty for post-osteotomy cases using computer-assisted technologies&lt;br&gt;<strong>Yutaka Inaba</strong></td>
</tr>
<tr>
<td>16.00-16.30</td>
<td>HOSPITAL LA PAZ&lt;br&gt;Spain time 15.00-15.30</td>
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<td><strong>Data:</strong> Intraoperative TKR navigation in TKR without imaging or pinning: radiological results with the GPS system&lt;br&gt;<strong>Pablo Hernández-Esteban</strong></td>
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<td><strong>Video:</strong> Surgical approach to a stiff knee for revision knee surgery: the rectus snip&lt;br&gt;<strong>Juan Sebastián Ruiz-Pérez</strong></td>
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Scientific Program

16.30-17.00  
ITALIAN HOSPITAL IN BUENOS AIRES  
ARGENTINA
Argentina time 11.30-12.00

Data: Extreme femoral impaction grafting: technique and long term results
Martin Buttaro

Video: Complex primary THA in cases with previous proximal femoral devices: how to avoid old implant removal and revision stems
Martin Buttaro

17.00-17.30  
RADBOUD UNIVERSITY MEDICAL CENTER  
NETHERLANDS
Netherlands time 16.00-16.30

Data: Complex or difficult primary hip & knee arthroplasty. Long-term follow-up of 119 primary cemented total hip arthroplasties in 96 patients younger than 25 years old
B. Willem Schreurs

Video: Complex revision or re-revision of hip & knee arthroplasty
Wim Rijnen

17.30-18.00  
HACETTEPE UNIVERSITY FACULTY OF MEDICINE  
TURKEY
Turkey time 18.30-19.00

Data: The use of the “pushthrough stem” for revision of a total hip or knee replacement with extreme bone loss
Mazhar Tokgözoglu

Video: Innovative approach to reconstruct a bilateral unusual acetabular deformity in a neurofibromatosis patient
Bülent Atilla
**Scientific Program**

**Friday, December 16th 2022**

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<td>18.00-18.30</td>
<td>BRIGHAM AND WOMEN’S HOSPITAL&lt;br&gt;Harvard Medical School&lt;br&gt;Boston USA</td>
<td><strong>Discussion Panel</strong>&lt;br&gt;Theofilos Karachalios, Kyriakos Papavasileiou, Vasileios Nikolaou&lt;br&gt;&lt;br&gt;Data: Early Results of a Patient-Specific Total Knee Arthroplasty Implant Cast from a 3D-Printed Mold&lt;br&gt;Antonia Chen&lt;br&gt;&lt;br&gt;Video: Surgical technique and results of custom TKR&lt;br+Wolfgang Fitz</td>
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<tr>
<td>18.30-19.00</td>
<td>Hospital Universitario Infanta Leonor&lt;br&gt;Spain</td>
<td><strong>Data</strong>&lt;br&gt;More realistic hip clinical scores in hip surgery in young patients: results of a personal serie&lt;br&gt;Oliver Marín-Pena&lt;br&gt;&lt;br&gt;Video: Intraabdominal fluid Extravasation during hip arthroscopy. Cadaveric study&lt;br&gt;Ana Castel-Oñate</td>
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<td>19.00-19.30</td>
<td>Lyon North University Hospital&lt;br&gt;France</td>
<td><strong>Data</strong>&lt;br&gt;Best research of the year: Is tibial tubercle osteotomy in revision total knee arthroplasty a safe procedure: contemporary outcomes in 135 knees&lt;br&gt;Cécile Batailler&lt;br&gt;&lt;br&gt;Video: Patello femoral Arthroplasty with Mako and how to optimize patello femoral tracking with image based robotic assistance&lt;br&gt;Sébastien Lustig</td>
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### Scientific Program

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| 19.30-20.30 | **DISCUSSION PANEL**  
Lazaros Poultsides, Konstantinos Michail, Efstathios Kenanidis                      |
| 19.30-20.30 | **ICAROS ROUND TABLE**  
ARISTOTLE UNIVERSITY MEDICAL SCHOOL  
OF THESSALONIKI  
PAPAGEORGIOU GENERAL HOSPITAL  
TSIRIDIS ORTHOPAEDIC INSTITUTE |

Roza knee robotics: personalized TKA of the future  
**Efstathios Kenanidis**

Hip arthroscopy: current and future perspectives  
**Lazaros Poultsides**

Pelvic and hip reconstruction following tumor removal  
**Kyriakos Papavasileiou**

Surgical hip dislocation and related techniques in the adolescent hip  
**Christos Topalis**

Hip dysplasia treated with exeter hip total hip arthroplasty  
**Konstantinos Michail**

Outline the blocks for the hip and knee arthroplasty in 2022  
**Eleni Koraki**
### Scientific Program

**Athens time**

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<th>Time</th>
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| 08.00-11.00 | **DISCUSSION PANEL**  
Wim Schreurs, Alexander Maslaris, Rihard Trebse |
| 08.00-08.30 | **GERMAN CENTER FOR ORTHOPAEDICS**  
**GERMANY**  
Germany time 07.00-07.30  
**Data:** Impact of stem profile on the revisability and the need for osteotomy in well-fixed cemented revision total knee arthroplasty implants  
**Alexander Maslaris**  
**Video:** Total knee arthroplasty techniques based on our TKA treatment algorithm  
**Alexander Maslaris** |
| 08.30-09.00 | **INSTITUTE FOR LOCOMOTION, AIX-MARSEILLE UNIVERSITY**  
**FRANCE**  
France time 07.30-08.00  
**Data:** Intraoperative virtual reality distraction in TKA  
**Jean-Noel Argenson**  
**Video:** The painful varus knee: when there is no indication for Arthroplasty, why and how should I perform a modern knee Osteotomy  
**Matthieu Ollivier** |
| 09.00-09.30 | **INTERNATIONAL CENTER FOR ORTHOPEDICS ATOS HOSPITAL & ST. JOSEFS KRANKENHAUS**  
**GERMANY**  
Germany time 08.00-08.30  
**Data:** Indication, results and outcome of bilateral hip arthroplasty  
**Fritz Thorey**  
**Video:** Step by step video of Robotic-assisted (MAKO) total hip arthroplasty via DAA with frame-system and extension table  
**Marco Ezechiel** |
Scientific Program

Saturday, December 17th 2022

09.30-10.00  BORDEAUX ARTHROPLASTY RESEARCH INSTITUTE
FRANCE
France time 08.30-09.00

Data: Influence of alignment techniques on the risk of prosthetic impingement: an in silico study comparing KA and MA total hip replacement
Charles Riviere

Video: Calippered KA TKA technique demonstrating restoration of the main native trochlea anatomical parameters
Roby Gabriel Bouchard

10.00-10.30  IMPERIAL COLLEGE LONDON
UNITED KINGDOM
UK time 08.00-08.30

Data: The impact of arthroplasty on outcome in women: replacement vs resurfacing
Justin Cobb

Video: Direct Anterior Hip resurfacing - less invasive arthroplasty
Rima Nasser

10.30-11.00  HOSPITAL CUF DESCOBERTAS AND HOSPITAL CURRY CABRAL
PORTUGAL
Portugal time 08.30-09.00

Data: Psoas impingement management after THA
Pedro Dantas, Ana Ferrão

Video: Endoscopic management of a gluteus maximus tendon avulsion. Video technique
Sergio Gonçalves

11.00-11.30  Coffee Break
### Scientific Program

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<td>11.30-14.00</td>
<td><strong>DISCUSSION PANEL</strong> Howard Ware, Vasilios Bitounis, Panos Gkikas</td>
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<td>11.30-12.00</td>
<td><strong>HOSPITAL PIERRE PAUL RIQUET CHU TOULOUSE FRANCE</strong></td>
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<td>France time 10.30-11.00</td>
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<tr>
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<td><strong>Data:</strong> Age, gender and obesity are not factors limiting the use of short stems in THA?</td>
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<td><strong>Nicolas Reina</strong></td>
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<td><strong>Video:</strong> How we can assess leg length using a mini-post piriformis-sparring approach?</td>
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<td><strong>Nicolas Reina</strong></td>
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<td>12.00-12.15</td>
<td><strong>“ZEUS” KEY NOTE LECTURE UNITED KINGDOM</strong></td>
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<td>UK time 10.00-10.15</td>
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<td><strong>Chairman:</strong> Eleftherios Tsiridis</td>
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<td></td>
<td>Cleveland Clinic London: the vision and the future of healthcare in the UK</td>
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<td><strong>Howard Ware</strong></td>
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<td>12.15-12.30</td>
<td><strong>“HEPHAESTUS” KEY NOTE LECTURE UNITED KINGDOM</strong></td>
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<td>UK time 10.15-10.30</td>
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<td><strong>Chairman:</strong> Eleftherios Tsiridis</td>
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<td>Revisions Multi Disciplinary Team in the UK</td>
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<td><strong>Phillip Mitchell</strong></td>
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Saturday, December 17th 2022

12.30 – 13.00
INSELSPIITAL, BERN UNIVERSITY HOSPITAL
SWITZERLAND

Switzerland time 11.30-12.00

Data: Revision of a Failed Primary Total Hip Arthroplasty following Excessive Reaming with a Medial Cup Protrusion
Johannes Bastian

Video: Periacetabular osteotomy: technique and tips from over 30 years of experience in Bern
Simon Steppacher

13.00-13.30
CLEVELAND CLINIC, LONDON
UNITED KINGDOM

UK time 11.00-11.30

Data: Massive emdoprostheses as a salvage option for revision total hip replacement
Panos Gkikas

Video: Custom acetabular implants: 3-Dimensional planning, surgery and outcome
Anna Di Laura

13.30-14.00
CLEVELAND CLINIC
OHIO

Ohio time 06.30-07.00

Data: Automated Characterization and In Vitro Expansion of Human Connective Tissue Progenitors
George Muschler

Video: Robotic Total Joint Arthroplasty 2022
Nicolas Piuzzi

14.00-14.30
Light Lunch
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<th>Video Description</th>
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<td>14.30-19.30</td>
<td>DISCUSSION PANEL</td>
<td>Athens Time</td>
<td>Different temporary implants/cement spacers for two stage PJI</td>
<td>Preparation of cement spacer and placement, including removal of implants</td>
<td>Theofilos Karachalios, Panagiotis Megas, Rihard Trebse</td>
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<td>14.30-15.00</td>
<td>NYU LANGONE ORTHOPAEDIC HOSPITAL, NY LANGONE HEALTH</td>
<td>NY Time 07.30-08.00</td>
<td>Preliminary results of randomized controlled trials comparing large heads and dual mobility bearings in primary and revision total hip arthroplasty</td>
<td>Articulating Spacer Technique in the Treatment of Prosthetic Hip Infection with Severe Bone Loss</td>
<td>Vinay Aggarwal, Ran Schwarzkopf</td>
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<td>15.00-15.30</td>
<td>RUSH UNIVERSITY MEDICAL CENTER</td>
<td>Chicago Time 07.00-07.30</td>
<td>Creation of a Patient-Specific Hip Arthroplasty Periprosthetic Femur Fracture Risk Calculator</td>
<td>Modular Fluted Tapered Stems: Technical Tips and Tricks</td>
<td>Matthew P. Abdel, Omar Behery</td>
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<td>15.30-16.00</td>
<td>MAYO CLINIC</td>
<td>Minnesota Time 07.30-08.00</td>
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<td>Daniel J. Berry</td>
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Scientific Program

Saturday, December 17th 2022

16.00-17.00

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17.00-18.00

SATELLITE SYMPOSIUM
Please see page 28

18.00-18.30

JIS ORTHOPEDICS, NEW ALBANY
OHIO
Ohio time 11.00-11.30

Data: Minimum 25-year results of a tapered titanium porous spray coated femoral component
Adolph V. Lombardi

Video: Primary total hip arthroplasty with augmented reality
Adolph V. Lombardi

18.30-19.00

HOSPITAL FOR SPECIAL SURGERY
NEW YORK
New York time 11.30-12.00

19.00-19.30

STANFORD
CALIFORNIA
California time 09.00-09.30

Data: Variation in femoral rotation with gap balancing in total knee replacement
Jessica Hooper

Video: A Novel Dynamic Ligament Balancer for Primary TKA with Computer Navigation
James Huddleston
Scientific Program

Sunday, December 18th 2022

Athens time

09.00-13.00 HANDS ON WORKSHOPS

- Exeter Hip - Cemented Arthroplasty
- Primary Knee
- Revision Hip
- Revision Knee

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<td>Andrew and Mary Sugg Professor of Orthopaedic Surgery, Consultant</td>
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<tr>
<td></td>
<td>Orthopaedic Surgeon, Division of Hip and Knee Surgery, Mayo Clinic, Rochester, MN</td>
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<tr>
<td>Adam Stergios</td>
<td>Orthopaedic Surgeon, Thessaloniki, Greece</td>
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<tr>
<td>Aggarwal Vinay</td>
<td>Assistant Professor of Orthopedic Surgery, Associate Fellowship Director</td>
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<td>Adult Reconstruction, Division of Adult Reconstruction Hip/Knee Replacement, Department of Orthopedic Surgery, NYU Grossman School of Medicine, NYU Langone Health, NY</td>
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<td>Argenson Jean Noel</td>
<td>Professor and Chair of Orthopedic Surgery, Medical Director of the Institute for Locomotion, Marseille University Hospital, France</td>
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<tr>
<td>Atilla Bülent</td>
<td>Professor of Orthopaedic Surgery, Hacettepe University Faculty of Medicine, Ankara, Turkey, President of Turkish Hip Preservation Society</td>
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<th>B</th>
<th>Babis George</th>
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<tr>
<td></td>
<td>Professor and Chair of Orthopaedics, 2nd Orthopaedic Department, Medical School, National and Kapodistrian University of Athens, Greece</td>
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<tr>
<td>Bastian Johannes</td>
<td>Senior Consultant Orthopaedic Surgeon, Chief of Orthogeriatric Service, Department of Orthopaedic and Trauma Surgery, Inselspital, University of Bern, Switzerland</td>
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<td>Batailler Cecile</td>
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<tr>
<td></td>
<td>Consultant Orthopaedic Surgeon, Orthopaedics surgery and Sports Medicine Department, Croix-Rousse Hospital, Lyon University Hospital, Lyon, France</td>
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<td>Benazzo Francesco</td>
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<tr>
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<td>Professor of Orthopedics and Traumatology, Chair, Chirurgia Protesica ad Indirizzo Robotico Fondazione Poliambulanza, Brescia, Italy</td>
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<td>Behery Omar</td>
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<td>Assistant Professor, Department of Orthopaedic Surgery, Division of Adult Reconstruction, Rush University, Chicago, USA</td>
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<td>Berry Daniel</td>
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<td>L.Z. Gund Professor of Orthopedic Surgery, Mayo Clinic, Rochester, Minnesota, USA</td>
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<td>Bitounis Vasilios</td>
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<td>Senior Consultant Orthopaedic Surgeon, Athens Medical Center, Athens, Greece</td>
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<td>Bouchard Roby Gabriel</td>
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<td>Personalized Arthroplasty Fellow, Bordeaux Arthroplasty Research Institute, France</td>
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<td>Buttaro Martin</td>
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<td>Chief Surgeon, Hip Unit “Carlos E. Ottolenghi” Institute of Orthopedics and Traumatology, Associate Professor, School of Medicine, Board Member of CONICET- Institute of Translational Medicine and Biomedical Engineering (IMTIB), Italian Hospital in Buenos Aires, Argentina</td>
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Index of Speakers and Instructors

**C**

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Current concepts in Advanced Arthroplasty Surgery
16-18 December 2022 Porto Palace Hotel Thessaloniki

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General Information

MASTERCLASS DATES AND VENUE
December 16th – 18th, 2022
Porto Palace Hotel, Thessaloniki, Greece
(65, 26th Octovriou Avenue, T. +30 2310 504504, F. +30 2310 540384, E. info@portopalace.gr)

OFFICIAL LANGUAGE
English will be the official language of the Masterclass and no simultaneous translation will be provided.

E-PLATFORM FOR ONLINE ATTENDANCE
All online participating delegates will have an e-platform at their disposal, offering maximum interactivity which will facilitate participation to the congress as well as interaction with other delegates and exhibitors.

CONGRESS BADGE
It is mandatory for the delegates to show their congress badge at the entrance of the Congress halls in order to calculate their attendance time in all sessions. Delegates registered for on line participation will receive their e-badge and their log in details by e-mail.

CME ACCREDITATION
The 9th Masterclass has been granted 21 European CME credits (ECMECRs) by the European Accreditation Council for Continuing Medical Education (EACCMER).

CERTIFICATE OF ATTENDANCE
According to the European Accreditation Council for Continuing Medical Education (EACCMER), each medical specialist should claim only those credits that he/she actually spent in the educational activity. Certificates will be sent electronically after the end of the Masterclass.

EXHIBITION
There will be an exhibition of medical equipment and pharmaceutical products at the Congress Venue. There will also be a parallel e-exhibition at the e-platform for the online registration delegates.

PRESENTATIONS
Available visual equipment for all presentations will be through power point presentation. Presentations must be uploaded at the technical secretariat one hour prior to the presentation. The use of personal computers will not be feasible.
REGISTRATION
The congress will be held in hybrid form featuring in person physical attendance or online participation. For online attendance, participants will receive their login details by e-mail before the congress starting date.

<table>
<thead>
<tr>
<th>Registration Type</th>
<th>Cost</th>
</tr>
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<tbody>
<tr>
<td>Specialists</td>
<td>220 €</td>
</tr>
<tr>
<td>Residents</td>
<td>100 € *</td>
</tr>
<tr>
<td>Physiotherapists</td>
<td>70 € *</td>
</tr>
<tr>
<td>Nurses</td>
<td>Free *</td>
</tr>
<tr>
<td>Undergraduate Students</td>
<td>Free *</td>
</tr>
</tbody>
</table>

Registration fees for in person physical attendance include:
• Admission to the scientific sessions
• Certificate of attendance
• Admission to the exhibition area

Registration fees for online attendance include:
• Admission to all sessions on the e-platform
• e-Certificate of attendance

*For final confirmation of your registration, proof of status must be submitted to the Congress Organizing Secretariat for the following categories: Residents, Physiotherapists, Nurses, Undergraduate Students
Above rates include VAT 24%

<table>
<thead>
<tr>
<th>Hands On Workshops</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exeter Hip</td>
<td>50 €</td>
</tr>
<tr>
<td>Primary Knee</td>
<td>50 €</td>
</tr>
<tr>
<td>Revision Hip</td>
<td>50 €</td>
</tr>
<tr>
<td>Revision Knee</td>
<td>50 €</td>
</tr>
</tbody>
</table>

In order to participate to the Workshops each participant must first proceed with a registration. Participants who will register to three workshops are able to participate to the 4th workshop for free.
SATELLITE SYMPOSIA

ACKNOWLEDGEMENTS
Satellite Symposia

Saturday, December 17th 2022

16.00-17.00

SATELLITE SYMPOSIUM
ROBOTICS – NOT ONLY FOR TKA. MAKO THA 4.0 CLINICAL BENEFITS AND PATIENT OUTCOMES

Moderator: Konstantinos Dretakis
Speaker: Fares Haddad

17.00-18.00

SATELLITE SYMPOSIUM
SIDE EVENT
“ROSAtm KNEE USER EXPERIENCE AND CLINICAL RESULTS”

17.00
Why did we integrate ROSA Knee System to assist our surgical activity?
Francesco Benazzo

17.15
Q&A

17.30
How we are using the technology to assist our surgeries? My experience & early follow up
Eleftherios Tsiridis

17.45
Q&A

18.00
Closure

Sponsored by
HANDS ON WORKSHOPS

Sunday, December 18th 2022

09.00-13.30

HANDS ON WORKSHOPS

Exeter Hip - Cemented Arthroplasty

- A comprehensive hands on cemented Exeter THA course using 3rd generation cementing technique

Instructors
Spyridon Darmanis, Efstathios Kenanidis, Georgios Drosos, Christos Topalis

Primary Knee

- Primary TKA concepts of mechanical and kinematic alignment

Instructors
Anastasios Lilikakis, Alexander Maslaris, Konstantinos Michail, Lazaros Poultsides

Sponsored by

11.00-13.30

Coffee Break

11.30-13.30

Revision Hip

1. Figure of "7" technique
2. Roof tantalum augment for acetabular revision
3. ETO
4. Wagner stem insertion & closure of ETO

Instructors
Eleftherios Tsiridis, George Ioannidis, Kyriakos Papavasileiou

Revision Knee

1. Cones for the femur and the tibia
2. Fitting the implant over the cones with stem offset

Instructors
Theofilos Karachalios, Vasileios Makris, Stergios Adam

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2 halls, 4 time zones, 2 workshops per hour/per hall
Euromedica- Arogi Thessaloniki is the first and only rehabilitation center in South East Europe to have received the International CARF Accreditation among the 543 rehabilitation centers worldwide (517 of the in USA). This Accreditation is the highest-level certification awarded to a rehabilitation center.
2010 - 2021
During a difficult period for our country
Athens Medical Group offered its support
with a great sense of responsibility

<table>
<thead>
<tr>
<th>€900 M</th>
<th>€245 M</th>
<th>8 M</th>
<th>8K</th>
</tr>
</thead>
<tbody>
<tr>
<td>payroll expenses</td>
<td>foreign currency inflow generated from international patients</td>
<td>citizens trusted their health to us</td>
<td>fellow citizens have received health services in special rates, or for free</td>
</tr>
<tr>
<td>€350 M</td>
<td>€630 M</td>
<td>500 K</td>
<td>40</td>
</tr>
<tr>
<td>payments to insurance funds</td>
<td>supplies from Greek companies</td>
<td>residents of remote areas have used our telemedicine Vodafone services</td>
<td>NGO’s, institutions and medical adoption of border areas (e.g. Evros) were included in our CSR program</td>
</tr>
<tr>
<td>€250 M</td>
<td>€100 M</td>
<td>6K</td>
<td>20</td>
</tr>
<tr>
<td>payments to the Greek Public Sector</td>
<td>investments</td>
<td>employees and healthcare professionals</td>
<td>international accreditations according to the highest standards</td>
</tr>
</tbody>
</table>
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Femoral Hip System:

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- **Progressive** - Backed by an active medical education and design panel.³
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References
5. Rontis Hellas AEBE, 151 38, Μαρούσι, Αθήνα
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References
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Know how some things are simply better together?
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that captures each patient’s unique anatomy, and
Know how some things are simply better together?
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that captures each patient’s unique anatomy, and
Mako’s AccuStop™ haptic technology, which helps
you use this knowledge to precisely and accurately
cut what you’ve planned.1,2

So you know more and cut less.4,5,6,7*

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50\% 

Of all total knee replacements are estimated to be performed robotically by the year 2030.\(^1\)

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ROSA\(^\circ\) Knee

References: 1. Hazan, A., Perse, J., & Coover, P. (2019). The Future of Medical Robotics: A Deep Dive into the Procedures, Technologies & Companies Shaping the Revolution (2nd ed., Medical Devices, pp. 1-180, Rep.). Citi Research. All content herein is protected by copyright, trademarks and other intellectual property rights, as applicable, owned by or licensed to Zimmer Biomet or its affiliates unless otherwise indicated, and must not be redistributed, duplicated or disclosed, in whole or in part, without the express written consent of Zimmer Biomet. This material is intended for health care professionals. Distribution to any other recipient is prohibited. For indications, contraindications, warnings, precautions, potential adverse effects and patient counselling information, see the package insert or contact your local representative; visit www.zimmerbiomet.com for additional product information. Check for country product clearances and reference product specific instructions for use. Not for distribution in France. © 2020 Zimmer Biomet
The shape of other tibias impose a choice between proper rotation and bone coverage. This leads to variability in rotational alignment. This is important, because several studies have shown a correlation between mal-rotation and anterior knee pain.¹⁻⁴

Mal-rotation of implants may lead to over 50% of painful TKA cases.⁵

Anatomic shape of the Persona Tibia is designed to achieve proper rotation and optimal coverage, resulting in:

- Statistically significant decrease in anterior knee pain in vivo²
- 92% bone coverage⁶
- Lower incidence of downsizing⁶

Most implants may impose a choice between proper rotation and bone coverage, leading to variability in rotational alignment. This is important, because several studies have shown a correlation between mal-rotation and anterior knee pain.¹⁻⁴

Mal-rotation of implants may lead to over 50% of painful TKA cases.⁵

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