

Organised by



EUROPEAN HIP SOCIETY **Endorsed by**



TSIRIDIS ORTHOPAEDIC INSTITUTE



EFORT

Under the auspices of





Program

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



Advanced Arthroplasty Surgery

16-18 December 2022 Porto Palace Hotel Thessaloni



Scientific Program

Friday, December 16th 2022

HELLENIC HIP AND KNEE SOCIETY

Athens time

08.30-11.00 DISCUSSION PANEL

Eleftherios Tsiridis, Efstathios Kenanidis, Konstantinos Tilkeridis

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 MUSCOLOSKELETAL

SYSTEM

Data: Study osteoarthritis: How sex, age and bone mass index affect the grogression 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



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Friday, December 16th 2022

HELLENIC HIP AND KNEE SOCIETY

Athens time

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 Tilkeridis, 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 robodics for kinematic alignment in TKA

Theofilos Karachalios



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HELLENIC HIP AND KNEE SOCIETY



Athens time

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

protrussion and its management

George Babis

"ATHENA" KEY NOTE LECTURE 12.30-12.40

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 megaprostheses: indications, techniques and

outcomes

Panayiotis Papagelopoulos

Video: How to address megaprostheses complications

Christos Vottis



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Athens time

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

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

14.30-15.00 **Light Lunch**



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Athens time

15.00-18.00 DISCUSSION PANEL

Theofilos Karachalios, Efstathios Kenanidis, Rihard Trebse

QUEEN MARY HOSPITAL, THE UNIVERSITY OF HONG KONG 15.00-15.30

HONG KONG 😘

Hong Kong time 21.00-21.30

Data: Prediction of Lower Limb Arthroplasty Sizes with Patient

Demographics, Hand and Foot Sizes

Vincent Chan

Video: Cemented Nail-Plate Construct as 1.5-stage Exchange Arthroplasty for Periprosthetic Joint Infection in Total Hip

Arthroplasty with Massive Bone Defect

Lewis PK Chan

15.30-16.00 TEAM JSRA, KIOTO BRANCH (HF) AND YOKOHAMA BRANCH (YI)

JAPAN (•)

Japan time 22.30-23.00

Data: Medullary dilatation technique for a narrow canal in

cemented THA Fujita Hiroshi

Video: Complex primary total hip arthroplasty for post-osteotomy

cases using computer-assisted technologies

Yutaka Inaba

16.00-16.30 **HOSPITAL LA PAZ**

SPAIN 🚳

Spain time 15.00-15.30

Data: Intraoperative TKR navigation in TKR without imaging or

pinning: radiological results with the GPS system

Pablo Hernández-Esteban

Video: Surgical approach to a stiff knee for revision knee surgery:

the rectus snip

Juan Sebastián Ruiz-Pérez



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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. Longterm 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

HACETTEPE UNIVERSITY FACULTY OF MEDICINE 17.30-18.00

TURKEY C

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



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Athens time

18.00-19.30 DISCUSSION PANEL

Theofilos Karachalios, Kyriakos Papavasilejou.

Vasileios Nikolaou

18.00-18.30 BRIGHAM AND WOMEN'S HOSPITAL

HARVARD MEDICAL SCHOOL

BOSTON

Boston MA time 11.00-11.30

Data: Early Results of a Patient-Specific Total Knee Arthroplasty

Implant Cast from a 3D-Printed Mold

Antonia Chen

Video: Surgical technique and results of custom TKR

Wolfgang Fitz

18.30-19.00 HOSPITAL UNIVERSITARIO INFANTA LEONOR

SPAIN (

Spain time 17.30-18.00

Data: More realistic hip clinical scores in hip surgery in young

patients: results of a personal serie

Oliver Marin-Pena

Video: Intraabdominal fluid Extravasation during hip arthroscopy.

Cadaveric study Ana Castel-Oñate

LYON NORTH UNIVERSITY HOSPITAL 19.00-19.30

FRANCE (

France time 18.00-18.30

Data: Best research of the year: Is tibial tubercle osteotomy in revision total knee arthroplasty a safe procedure: contemporary outcomes in 135 knees

Cécile Batailler

Video: Patello femoral Arthroplasty with Mako and how to optimize patello femoral tracking with image based robotic assistance

Sébastien Lustig



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Friday, December 16th 2022

Athens time

19.30-20.30 DISCUSSION PANEL

Lazaros Poultsides. Konstantinos Michail. Efstathios Kenanidis

19.30-20.30 **ICAROS ROUND TABLE**

ARISTOTLE UNIVERCITY 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



Advanced Arthroplasty Surgery

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Scientific Program

Saturday, December 17th 2022

Athens time

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

INSTITUTE FOR LOCOMOTION, AIX-MARSEILLE UNIVERSITY 08.30-09.00

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 Ezechieli



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Saturday, December 17th 2022

Athens time

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 impingment: 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

HOSPITAL CUF DESCOBERTAS AND HOSPITAL CURRY 10.30-11.00

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**



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Saturday, December 17th 2022

Athens time

11.30-14.00 DISCUSSION PANEL

Howard Ware, Vasilios Bitounis, Panos Gkikas

HOSPITAL PIERRE PAUL RIQUET CHU TOULOUSE 11.30-12.00

FRANCE (

France time 10.30-11.00

Data: Age, gender and obesity are not factors limiting the use of

short stems in THA?

Nicolas Reina

Video: How we can assess leg length using a mini-post piriformis-

sparring approach?

Nicolas Reina

12.00-12.15 "ZEUS" KEY NOTE LECTURE

UNITED KINGDOM

UK time 10.00-10.15

Chairman: Eleftherios Tsiridis

Cleveland Clinic London: the vision and the future of healthcare in

the UK

Howard Ware

"HEPHAESTUS" KEY NOTE LECTURE 12.15-12.30

UNITED KINGDOM

UK time 10.15-10.30

Chairman: Eleftherios Tsiridis

Revisions Multi Disciplinary Team in the UK

Phillip Mitchell



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Saturday, December 17th 2022

Athens time

12.30 - 13.00 **INSELSPITAL. 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

CLEVELAND CLINIC, LONDON 13.00-13.30

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 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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Saturday, December 17th 2022

Athens time

14.30-19.30 DISCUSSION PANEL

Theofilos Karachalios, Panagiotis Megas, Rihard Trebse

14.30-15.00 NYU LANGONE ORTHOPAEDIC HOSPITAL, NY LANGONE

HEALTH

NY time 07.30-08.00

Data: Different temporary implants/cement spacers for two stage

P.JI

Vinay Aggarwal

Video: Preparation of cement spacer and placement, including

removal of implants Ran Schwarzkopf

RUSH UNIVERSITY MEDICAL CENTER 15.00-15.30

CHICAGO

Chicago time 07.00-07.30

Data: Preliminary results of randomized controlled trials comparing large heads and dual mobility bearings in primary and revision total hip arthroplasty

Craig Della Valle

Video: Articulating Spacer Technique in the Treatment of

Prosthetic Hip Infection with Severe Bone Loss

Omar Behery

15.30-16.00 **MAYO CLINIC**

MINNESOTA

Minnesota time 07.30-08.00

Data: Creation of a Patient-Specific Hip Arthroplasty

Periprosthetic Femur Fracture Risk Calculator

Matthew P. Abdel

Video: Modular Fluted Tapered Stems: Technical Tips and Tricks

Daniel J. Berry



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Saturday, December 17th 2022

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16.00-17.00 **SATELLITE SYMPOSIUM**

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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



MASTERCLASS IN ARTHROPLASTY SURGERY THESSALONIKI

Current concepts in

Advanced Arthroplasty Surgery

16-18 December 2022 Porto Palace Hotel Thessalonik



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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A

Abdel Matthew

Andrew and Mary Sugg Professor of Orthopaedic Surgery, Consultant Orthopaedic Surgeon, Division of Hip and Knee Surgery, Mayo Clinic, Rochester, MN

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Orthopaedic Surgeon, Thessaloniki, Greece

Aggarwal Vinay

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Chair in Orthopaedic Surgery, Imperial College London, UK



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Hip and Knee Reconstructive Orthopaedic Surgeon, Head of 2nd Orthopaedic Department at Hygeia Hospital Athens, Greece, International Trainer in Robotic Orthopaedic Surgery

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Index of Speakers and Instructors



Ferrão Ana

Assistant Professor at NOVA Medical School for Orthopedic Surgery, Hospital Curry Cabral, Hip and Pelvis Surgery Assistant at Hospital Curry Cabral - CHULC, Lisbon, Portugal

Fujita Hiroshi

Professor of Orthopaedic Surgery, President of Cemented Hip Education Foundation. European Hip Society, Ambassador of Japan, Director of the Center for Hip Arthroplasty. Senshunkai Hospital, Japan

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Gkikas Panagiotis

Consultant Orthopaedic Surgeon, Royal, National Orthopaedic Hospital, Cleveland Clinic London, UK

Gonçalves Sérgio

Hip and Pelvis Surgery Consultant at CHULC and CUF Descobertas. Assistant Professor at NOVA Medical School for Orthopedic Surgery, Portugal



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Consultant Hip and Knee Reconstructive Orthopaedic and Sports Surgeon at University College Hospitals, Divisional Clinical Director of Surgical Specialties at UCH. Director of the Institute of Sport. Exercise and Health at University College London, Professor UCL, UK

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Professor of Orthopaedic Surgery, University General Hospital of Larissa, School of Health Sciences, Dean, Faculty of Medicine, University of Thessaly, Greece

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Marmanis Konstantinos

PhD Student, Molecular Biologist, Democritus, University of Thrace, Greece

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Muschler George

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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.



Advanced Arthroplasty Surgery

16-18 December 2022 Porto Palace Hotel Thessaloni



General Information

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.

Registration Type	Cost
Specialists	220 €
Residents	100 € *
Physiotherapists	70 € *
Nurses	Free *
Undergraduate Students	Free *

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%

Hands On Workshops	Cost
Exeter Hip	50 €
Primary Knee	50 €
Revision Hip	50 €
Revision Knee	50 €

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 4^{th} workshop for free.

SATELLITE SYMPOSIA

ACKNOWLEDGEMENTS





Advanced Arthroplasty Surgery

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Satellite Symposia

Saturday, December 17th 2022

Athens time

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

Sponsored by stryker



17.00-18.00 **SATELLITE SYMPOSIUM**

SIDE EVENT

"ROSA® 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

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Advanced Arthroplasty Surgery

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HANDS ON WORKSHOPS

Athens time

Sunday, December 18th 2022

09.00-13.30

HANDS ON WORKSHOPS

09.00-11.00

Exeter Hip - Cemented Arthroplasty

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

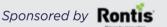
Instructors

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

Primary Knee

Primary TKA concepts of mechanical and kinematic alignment

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



11.00-11.30

Coffee Break

11.30-13.30

Revision Hip

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

Instructors

Eleftherios Tsiridis, George Ioannidis, Kyriakos Papavasileiou

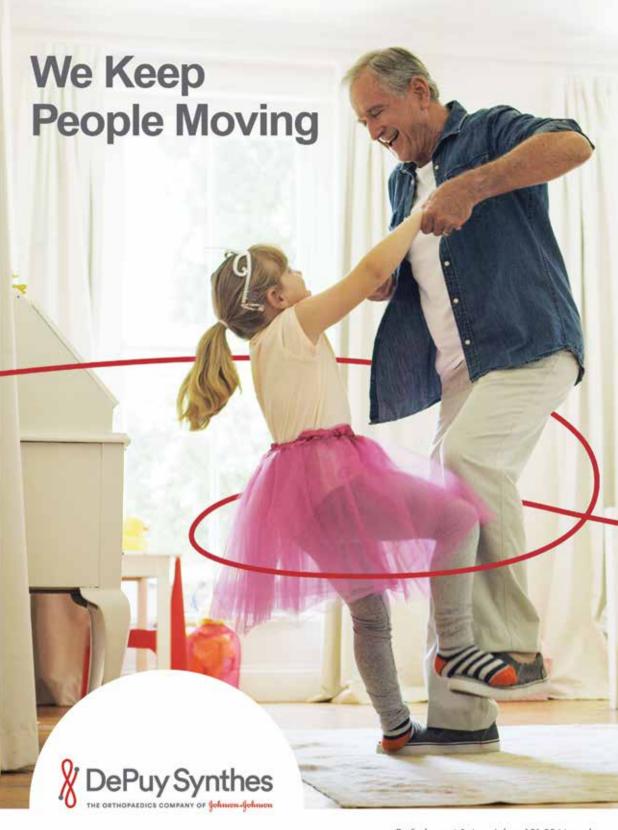
Revision Knee

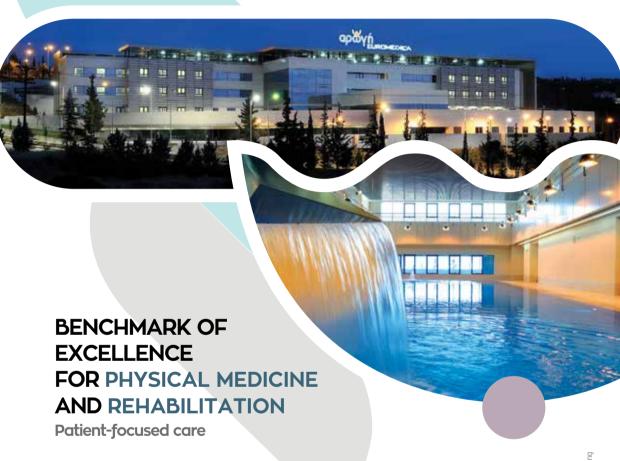
- 1. Cones for the femur and the tibia
- 2. Fitting the implant over the cones with stem offset

Instructors

Theofilos Karachalios, Vasileios Makris, Stergios Adam









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payments to the Greek Public Sector €245 M

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€630 M

supplies from Greek companies

€100 M

investments

8 M citizens trusted their health to us

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6 K

employees and healthcare professionals **8** K fellow citizens have received health services in special rates, or for free

40 NGO's, institutions and medical adoption of border areas (e.g. Evros) were included in our CSR program

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* For the Mako Total Knee application, "cut less" refers to less soft tissue damage and greater bone preservation as compared to manual surgery. 5,6 For the Mako Total Hip and Partial Knee applications, "cut less" refers to greater bone preservation as compared to manual surgery. 4,7
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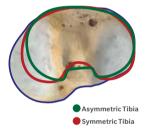
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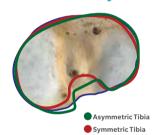


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