

**Professor Eleftherios Tsiridis MD, MSc, DMed, PhD(London), FACS, FRCS**  
**Chairman of Orthopaedic Surgery, PGH, AUTH Medical School, Thessaloniki**



### **Executive Positions in Orthopedic Surgery & Academia**

- Chairman of Orthopaedic Surgery, PGH University Hospital, AUTH, Thessaloniki (2019-today)
- Professor of Orthopaedic Surgery, AUTH Medical School Thessaloniki (2017-today)
- Head of Adult Joint Reconstruction, PGH University Hospital, AUTH, Thessaloniki (2010-today)
- Secretary General European Hip Society (2012-today)
- Founder & Chairman of ICAROS Center for Arthroplasty Thessaloniki (2014-today)
- Director of CORE Center for Orthopaedic & Regenerative Research at CORE-CIRI-AUTH (2014-today)
- Director Arthroplasty Registry Thessaloniki ART (2014-today)
- President of MAST Conference-Masterclass in Arthroplasty Surgery Thessaloniki, Hellas (2013-today)
- Co-founder and CMO/Vice President of ORamaVR.SA (Arthroplasty Simulators VR) (2016-today)
- Sabbatical Fellowship, MassGH & Children's Hospital Harvard Medical School, Boston, MA, USA (2011)
- Associate Professor of Orthopaedic Surgery, AUTH Medical School Thessaloniki (2014-2017)
- Associate Professor of Orthopaedic Surgery, Imperial CL, Medical School, London, UK (2010-2014)
- Consultant Orthopaedic Surgeon Leeds Teaching Hospitals, Leeds, UK (2005-2010)
- Associate Professor of Orthopaedic Surgery, Leeds Medical School, UK (2005-2010)
- Clinical Arthroplasty Fellow: PEOC, Exeter, UK (2004-2005)
- Clinical & Research Arthroplasty Fellow: Boston Medical Centre, BU, Boston, MA, USA (2003-2004)

### **Academic & Professional Achievements**

- **MD Cum Laude** Athens University Medical School (1992)
- **FRCS**: Fellow of the Royal College of Surgeons, Edinburgh (1999)
- **MSc (Orth)**: University College London (2000)
- **DMed (Doctorate in Medicine)** Crete University Medical School (2004)
- **Fellow of the British Orthopaedic Association** (2005)
- **PhD (London)**: King's College, University of London (2009)
- **Fellow of the Hellenic Association of Orthopaedic Surgery & Traumatology** (2010)
- **Fellow of the European Hip Society** (2010)
- **Fellow of the European Knee Society** (2017)
- **FACS**: Fellow of the American College of Surgeons (2017)

### **Hellenic National Services**

**Military Service** Special Forces Lieutenant, Paratroopers Regiment, Hellenic Special Forces (1992-94)  
**Compulsory Rural Medical Service** (1994-95)

### **Specialist Training & Registrar in Orthopaedic Surgeon, UK (1995-2002)**

James Paget NHS, Norfolk, Senior House Officer (1995-1998)  
Exeter (PEOC) NHS, Exeter, Senior House Officer (1998-1999)  
Stanmore (RNOH) NHS, London, Registrar (1999-2000)  
Whittington NHS, London, Senior Registrar (2000-2002)

### **Consultant Orthopaedic Surgeon, London, UK (2002-2003)**

Whittington Hospital NHS, London, UK

### **Fellowship & Sabbatical Training USA & UK (2003-2005)**

Adult Joint Reconstruction Hip and Knee: Boston University, Boston, MA, USA (2003-04)

Adult Joint Reconstruction Hip and Knee (Ling fellowship): University Exeter, PEOC, Exeter, UK (2004-05)

Arthroplasty & Young Adult Hip Preservation Surgery: Harvard Medical School, Boston, MA, USA (2011)

### **Arthroplasty Traveling Fellowship USA Rothman-Ranawat First Prize (2014)**

Adult Joint Reconstruction Hip and Knee: Rush University Medical Center Chicago, Illinois, Hospital for Special Surgery New York, NY, Massachusetts General Hospital, Harvard Medical School, Rothman Institute Philadelphia, OrthoCarolina Hip and Knee Center Charlotte, NC, Mayo Clinic Rochester Minnesota, Anderson Clinic Alexandria, Washington, VA, Joint Implant Surgeons, New Albany, Ohio, Stanford Hospital, Stanford University, CA, University of Southern California, LA, CA, London Health Sciences Centre London, ON Canada, The Center for Hip and Knee Surgery, Indiana IN.

### **Theses**

#### **MSc (*Orth*) [2000]**

Institute of Orthopaedics, Royal National Orthopaedic Hospital, Stanmore, UCL, London, UK

“Periprosthetic Femoral Fractures: Management and Outcome” S: Prof G. Bentley

#### **DMed (Doctorate in Medicine) [2004]**

Crete University Medical School, Crete, Greece

“Impaction grafting enhancement using human MSCs and BMP-7” S: Prof A. Hatzipavlou

#### **PhD [2009]**

King’s-Guys’-St Thomas School of Medicine, King’s College London, University of London, UK

“Bone Graft Substitutes: Local and Systemic Enhancement of Bone Formation” S: Prof L. Di Silvio

### **Scholarships-Research Fellowships-Prizes**

- **Prize first 10 graduates** Athens Medical School & International Hippocratic Foundation, (1992)
- **National Institute for Scholarships “Papadakis Scholarships” Hellas** (1988-1992)
- **Onassis Scholarship**, Hellas (2001-2003)
- **British Orthopaedic Association Scholarship**, UK (2003)
- **Paul Toller Research Prize** British Assoc. of MF Surgery, Glasgow, UK (2003)
- **Wishbone Traveling Fellowship**, UK (2003)
- **The Latta Fellowship**, British Orthopaedic Association & Wishbone, UK (2008)
- **First Prize Future Orthopaedic Surgeons** Royal Society of Medicine, UK (2009)
- **Rothman Ranawat Traveling Fellowship**, Hip Society, USA (2014)
- **FARE Prize & Grand AAHKS USA** (2018)

### **Co-Author International Guidelines**

- International Guidelines on Periprosthetic Joint Infection (Philadelphia Consensus) (2015 & 2018)
- European Guidelines on Anticoagulation for Arthroplasty (2017)

### **Book Editor in Orthopaedic Surgery**

The Adult Hip: Master Case Series and Techniques, ISBN 978-3-319-64177-5, Springer 2018

### **PhD, MSc and Post Doc Supervisor:**

4 Post Docs, 9PhD, 11MSc, 3BSc (PS: Primary Supervisor)

**Post Doc** Mehran Mozen Mechanical Engineering, Leeds, UK (completed) **PS**

**Post Doc** Zak Gammie, Orthopaedics, Leeds, UK (completed) **PS**

**Post Doc** Stathis Kenanidis, AUTH, Greece (completed) **PS**

**Post Doc** Christos Topalis, AUTH, Greece (completed) **PS**

**PhD** Jonathan Mik Mechanical Engineering, Leeds, UK (completed) **PS**

**PhD** Lee Elcherst Mechanical Engineering, Leeds, UK (completed) **PS**

**PhD** Anastasia Georgiou Imperial College London, UK (completed)  
**PhD** Robert MacFarlane Imperial College London, UK (completed)  
**PhD** Klontzas Michael Imperial College London, UK (completed)  
**PhD** Theofylaktos Kyriakidis, AUTH, Greece (completed)  
**PhD** Akis Tzavelas Thessaloniki, AUTH, Greece (on going) **PS**  
**PhD** Andrew Leonidou, AUTH, Greece, (on going) **PS**  
**PhD** Chris Milaras, AUTH, Greece (on going) **PS**  
**MSc Orthopaedics** Theofylaktos Kyriakidis Erasmus University Belgium (completed) **PS**  
**MSc Science** Dimitra Nella, AUTH, Greece (completed)  
**MSc Science** Chris Topalis, AUTH, Greece (completed) **PS**  
**MSc Science** Andrew Fonatlis, AUTH, Greece (completed) **PS**  
**MSC Science** Theodore Michael, AUTH, Greece (completed)  
**MSc** Maria Hadjidakis Imperial College London (completed)  
**MSc** Mech Eng Andrew Leonidou, Cardiff, UK (completed)**PS**  
**MSc** Mech Eng Paul Panteliadis Cardiff, UK (completed) **PS**  
**MSc** Surgery Joseph Pagkalos, University of Edinburgh, UK(completed) **PS**  
**MSc** in Trauma Surgery Greg Rudol Swansea University, UK (completed) **PS**  
**MSc** Mech Eng Simon Graham, University of Leeds, UK (completed)**PS**  
**BSc** Orth Zubeir Ali University College London, UK (completed)  
**BSc** Orth Amit Bhalla University College London, UK, UK (completed)  
**BSc** Orth Amir Rushdi University College London (completed)

**Research Grants as PI or SI €1.800.000 (2005-2019)**

1. Furlong Research Charitable Foundation: £ 60.000 Injectable cellular constructs h-MSC
2. Latta Fellowship: £ 400.000 BOA+ Leeds University Finite Element analysis of PPF
3. BOA: £ 200.000 Fracture healing acceleration with PTH
4. Kuros Biotechnology: £ 90.000 PTH for intra-articular tibial plateau fractures
5. Yorkshire Children's Spinal Foundation: £ 25.000 Congenital heart Disease and Scoliosis
6. Stryker USA Boston University: 200.000 USA Dollars PTH vs OP-1 in healing
7. Onassis Foundation: £ 20.000 HA with MSCs and OP-1 in vitro osteogenesis
8. Culier Grant, NHS, UK: £ 15.000 Enhancing impaction grafting with OP-1 and MSCs
9. NIR (Nat. Inst. Res) 93933 RCT pharmacology anticoagulant Ab testing III $\beta$  PRONOMOS €22.000
10. NIR 93950 ART €33.000
11. NIR 92882 MAST €12.300
12. NIR BAY 1213790 RCT multicenter pharmacology study II FOXTROT €150.000
13. FARE Grand AAHKS USA, Collaboration with NUY, \$25.000
14. ESPA ORamaVR with AUTH and UTH €600.000

**Reviewer/Editor/Board Member**

Journal of Bone and Joint Surgery, J Arthroplasty (Editorial Board), Journal of Cellular and Molecular Medicine, Injury, Tissue Engineering, Cell Tissue Organs, Arthritis Treatment and Research, BMJ, Nature Clinical Practice Rheumatology, Expert opinion in Pharmacotherapy, Expert opinion in Biological Therapy, Expert opinion in Investigational Drugs, Expert op in Drug Safety (Editorial Board), Scandinavian Journal of Rheumatology, Acta Biomaterialia, Hip International, Acta Orthop., J Orthop Research, J Bone Mineral Research., Bone and Joint J.

**Member of International Scientific Organizations:**

EHS, EKS, BOA, BTS, BORS, BHS, EBJS, Onassis Foundation, RCS, ACS.

## **Bibliometrics-Indexes**

### **256 Publications in Peer Reviewed International Journals (PubMed & Scopus)**

- 182 full PubMed papers
- 7 full non PubMed papers & letters
- 67 journal proceedings
- 105 Book Chapters in International Orthopaedics textbooks

<b>Total Impact Factor</b>	<b>854.927</b>
<b>Citations (Google Scholar 2019)</b>	<b>8,450</b>
<b>H-factor</b>	<b>42</b>
<b>I10-index</b>	<b>115</b>

## **Surgical Experience in Hip & Knee Arthroplasty**

(approximately 10.000 procedures 1999-2019)

### **Hip**

#### **Primary Total Hip Arthroplasty (THA)**

- All types of MIS THA: Cemented, Hybrids, Uncemented
- Exeter hip replacement
- All types of MIS THA couples: Ceramic on ceramic, Ceramic on metal, Metal on metal resurfacing
- Primary total hip arthroplasty (THA) using all MIS techniques
- Primary THA using all approaches Direct Superior, Superpath, AMIS, ALMIS, Mini Posterior
- Fast Track 24h THA surgery
- Custom made and PSI THA
- Navigation THA
- Robotic THA (MACO and ROSA qualified)
- THA for hip dysplasia all types
- THA for metastatic bone disease
- Post Trauma THA
- Post paediatric diseases THA (Perthes, AVN, SCUFE)
- Infected hips THA
- THA for osteonecrosis
- Primary THA for hip fractures in osteoporotic or elderly patients
- Oncology & tumor THA
- THA for haematological disease
- THA for Jehovah's witnesses

#### **Revision THA**

- Revision THA for infection one and two stages
- Revision THA for loosening and osteolysis
- Revision for THA periprosthetic fracture
- Re-Revisions and multiple revisions
- Revisions using megaprotheses
- Revision for partial or total femoral replacement

- Revision using cemented and uncemented techniques
- Revision using impaction grafting total or partial
- Revision using tantalum augments and cages
- Revision using modular and monolythic uncemented stems
- Revision acetabulum using distraction technique and cup cage technique
- Revision fixation of acetabular discontinuity
- Revision acetabulum using triflanges
- Revision using 3D printed implants
- Revision with custom made implants

## **Knee**

### **Primary Total Knee Arthroplasty (TKA)**

- Cruciate Retaining CR-TKA
- Posterior Stabilize PS-TKA
- Unicompartmental Knee Arthroplasty
- Patellofemoral Replacement arthroplasty
- Fast Track 24h TKA surgery
- PSI Patient Specific TKA
- Navigation TKA
- Robotic TKA (MACO and ROSA qualified)
- Semicontstrained CCK TKA
- Rotating Hinge TKA
- Medial Pivot TKA
- Constrained TKA
- TKA for Sevier Varus and valgus knees
- TKA for rheumatoid disease
- TKA for Traumatic conditions
- Deformity TKA
- Congenital diseases TKA
- TKA for haematological diseases
- Infected knee TKA
- TKA for osteonecrosis
- Primary TKA for knee fractures
- Oncology & tumor TKA
- TKA for haematological disease
- TKA for Jehovah's witnesses

### **Revision TKA**

- Revision TKA for infection one and two stages
- Revision TKA for loosening and osteolysis
- Revision for TKA periprosthetic fracture
- Re-Revisions and multiple revisions
- Revisions using megaprotheses
- Revision for partial or total knee replacement

- Revision using cemented and uncemented techniques
- Revision using impaction grafting
- Revision using tantalum augments and cones
- Revision using 3D printed implants
- Revision with custom made implants

### **Trauma**

- All upper and lower limb adult trauma
- Paediatric trauma
- All geriatric fractures
- All osteoporotic fractures
- Pelvic and acetabular trauma
- Calcaneal fracture fixation
- Periarticular trauma
- periprosthetic fractures
- MIS techniques
- MIPO technique
- External fixation
- Major trauma management
- Damage Control Trauma

### **Orthobiologics & Regenerative medicine**

- Joint injections
- PRP
- Mesenchymal Stem Cells from bone marrow injections
- Stem cells