

Th. Karachalios, MD, DSc, PhD
Professor in Orthopaedic Surgery

ORTHOPAEDIC DEPARTMENT, UNIVERSITY OF THESSALIA
UNIVERSITY GENERAL HOSPITAL OF LARISSA
HELLENIC REPUBLIC

Dr Th. Karachalios qualified from the Medical School of Athens University (1976-1982), he specialized in Orthopaedics and completed his MD thesis at the Orthopaedic Department of Athens University (1984-1989). He further improved his clinical and research experience at Bristol Royal Infirmary, Bristol UK (registrar, 1990-1992). He has also completed a degree (post graduate program and diploma 1992-1994) in biomechanics and bioengineering at Strathclyde University (Glasgow UK).

From 1992 up to 1998 he practised Orthopaedic Surgery, as a Consultant Orthopaedic Surgeon, at KAT NHS Hospital in Athens. In 1998 he was elected Assistant Professor, in 2005 Associate Professor and in 2011 Professor in Orthopaedics at the University of Thessaly (University General Hospital of Larissa, Hellenic Republic). He practices adult hip and knee reconstructive surgery, sport injuries and late reconstruction of musculoskeletal injuries. His main research interest is hip and knee disorders, fracture healing and bone metabolism and diseases.

He has published 138 papers in international Journals (Index Medicus) with a total impact factor of 320.5 (127 of them are shown in Pubmed). He has 3400 citations with an h-index of 31. He has written eleven chapters in books. He is the author and editor of two books entitled ‘Bone implant interface in Orthopaedic Surgery - From basic science to clinical application - Springer-Verlag’ (Jan 2014) and ‘Long term outcome of total knee arthroplasty - Springer-Verlag’ (Jul 2015). In July 2013 he was the featured author for Bone Joint Journal (former JBJS Br). He was the treasurer of the European Hip Society for 8 years and a member of the International Hip Society. He is co-Editor in Chief of Hip International. He was also the 2015 Chairman of HAOST (Greek

Orthopaedic Association). In 2017, he elected board member (treasurer) of the European Federation of Orthopaedics and Traumatology.

He spends his free time running long distances and he is a keen master scuba diver.

Publications

- 1. Makridis KG, Badras LS, Badras SL, Karachalios TS. Searching for the 'winner' hip fracture patient: the effect of modifiable and non-modifiable factors on clinical outcomes following hip fracture surgery. Hip Int. 2019; 23:1120700019878814**
- 2. Mitrousias V, Karachalios TS, Varitimidis SE, Natsis K, Arvanitis DL, Zibis AH. Anatomy Learning from Prosected Cadaveric Specimens Versus Plastic Models: A Comparative Study of Upper Limb Anatomy. Anat Sci Educ. 2019; doi: 10.1002/ase.1911.**
- 3. Georgaklis VA, Karachalios T, Makridis KG, Badras SL, Palaiochorlidis IS, Malizos KN, Badras LS. Genesis 1 posterior cruciate-retaining total knee arthroplasty with asymmetric tibial tray: An 18-to-26-year long-term clinical outcome study. Knee. 2019; 26(4):838-846.**
- 4. Samaras D, Gougoulis N, Varitimidis S, Hantes M, Karachalios T, Malizos K, Dailiana Z. Midterm experience of Scarf osteotomy as a new technique in a General Orthopaedic Department. Foot (Edinb). 2019; 40:68-75.**
- 5. Lampropoulou-Adamidou K, Karachalios T, Megas P, Petsatodis G, Vlamis J, Hartofilakidis G. Can a surgeon predict the longevity of a total hip replacement? Hip Int. 2019 Apr 4:1120700019839685.**
- 6. Athanaselis E, Komnos G, Karachalios T. An Unusual Central Dislocation of a Total Hip Arthroplasty Due to Severe Wear of a Ceramic on Cross-linked Polyethylene Bearing Coupling - A Case Report. J Orthop Case Rep. 2018 Nov-Dec;8(6):54-57.**
- 7. Papasoulis E, Karachalios T. A 13- to 16-year clinical and radiological outcome study of the genesis II cruciate retaining**

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 10. Karachalios TS. Reply to the comment on the editorial "An attempt to throw light on congenital hip disease terminology and anticipation of clinical outcomes when treated with total hip arthroplasty" made by Denisov A. *Hip Int*. 2018 May;28(3):NP3.
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 12. Karachalios T, Komnos G, Koutalos A. Total hip arthroplasty: Survival and modes of failure. *EFORT Open Rev*. 2018 May 21;3(5):232-239.
 13. Bougioukli S, Kollia P, Koromila T, Varitimidis S, Hantes M, Karachalios T, Malizos KN, Dailiana ZH. Failure in diagnosis and under-treatment of osteoporosis in elderly patients with fragility fractures. *J Bone Miner Metab*. 2018 Apr 17
 14. Zibis AH, Mitrousias VD, Klontzas ME, Karachalios T, Varitimidis SE, Karantanas AH, Arvanitis DL. Great trochanter bursitis vs sciatica, a diagnostic-anatomic trap: differential diagnosis and brief review of the literature. *Eur Spine J*. 2018 Jul;27(7):1509-1516.
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