

Prof. Hassan ZMERLY MD PhD

Il Professore Hassan Zmerly è Ortopedico Co-Responsabile dell'Unità Operativa di Ortopedia della San Pier Damiano Hospital a Faenza (RA). E' Professore Associato presso la Facoltà di Medicina e Chirurgia dell'Università degli Studi Link Campus University di Roma.

Si laurea in Medicina e Chirurgia all'Università degli studi di Bologna Cum Laude nel 1990. Nel 1995 consegue la specializzazione in Ortopedia e Traumatologia Cum Laude presso il medesimo ateneo -Istituto Ortopedico Rizzoli, dove nel 1999 ottiene anche il dottorato di ricerca in Oncologia, sotto la supervisione del Prof. Mario Campanacci.

Nel 2000-2001 frequenta il corso di perfezionamento in Podologia all'Università di Bologna e nel 2002 il corso propedeutico di Chirurgia e Riabilitazione della mano all'Università degli Studi di Genova.

Nel 2016 è docente in Clinica Ortopedica presso Ludes MT, Campus Lugano, Svizzera. Ha ricoperto per diversi anni il ruolo di docente a contratto in Malattie dell'Apparato Locomotore e Medicina Riabilitativa all'Università di Bologna, l'Università di Padova e l'Università Semmelweis di Budapest.

Nel 2024, ottiene l'Abilitazione Scientifica Nazionale (ASN) alle funzioni di "Professore Universitario di 2 livello" nel Settore 06/F4 - Malattie dell'Apparato locomotore e Medicina Fisica e Riabilitativa.

Nel 2020 è Guest Editor della rivista canadese JPTCP ed è attualmente Membro dell'Editorial board della rivista: "BMC Musculoskeletal Disorders" (Indicizzate PubMed).

È Membro del Board del comitato della "Orthopaedic Rehabilitation" subspeciality committee della Società Internazionale di Ortopedia e Traumatologia (SICOT) 2025-2027.

Ha eseguito oltre 15 mila interventi chirurgici presso gli Istituti Ortopedici Rizzoli, Villa Erbosa e San Pier Damiano Hospital.

È autore di 130 pubblicazioni su riviste, volumi e abstract, con oltre 1.900 citazioni (i10-index: 20). Ha partecipato come relatore a oltre 100 congressi nazionali e internazionali. Segreteria scientifica di 11 congressi di cui 6 in collaborazione con la Mayo Clinic, Rochester, USA.

Lingue parlate: Italiano; Arabo; Francese; Inglese (certificato C1 rilasciato dal del British Institut)

Interessi clinici e scientifici: Chirurgia protesi del ginocchio, dell'anca e della spalla; artroscopia del ginocchio e della spalla; riparazione della cartilagine; traumatologia dello sport; chirurgia mini-invasiva del piede.

Prof. Hassan ZMERLY MD PhD

Associate Professor Orthopaedics and Rehabilitation Medecine

Educational

-High School diploma: Baccalaureat Libanais (science experimental) in 1984, Ecole Saint Elie des Pères Carmes (Lebanon).

-Graduate in Medicine and Surgery at University of Bologna (Alma Mater Studiorum) on October 19th 1990, final mark: 110/110 *cum laude*, with a dissertation "Gamma nail vs Ender nail in the treatment of petrochanteric fractures". Supervisor Prof. Mario Campanacci.

-Diplome of Speciality in **Orthopaedics and Traumatology** at Bologna University (Rizzoli Orthopaedic Institute), on July 6th 1995, final mark 70/70 *cum laude*, with a dissertation "Vascular reconstruction in oncologic Orthopedic surgery: The Rizzoli Institute Experience. Supervisor Prof. Mario Campanacci

- Research Doctorat (**PhD degree**) in **Oncology** at Bologna University (Rizzoli Institute) on February 22th 1999. with a dissertation " New Protocol of Chemotherapy for the combined treatment of Soft Tissue Sarcomas of the extremities" Supervisor Prof. Mario Campanacci.

-Diplome of Territorial Emergencies organized by the ASL Ravenna, Italy, from december 1994 to may 1995.

-Post-graduate degree course on **Podiatry** at Bologna University (Rizzoli Institute) in 2000-2001.

-Preparatory course on **Hand Surgery and Rehabilitation** at University of Genova in 2002.

- Achieved the National Scientific qualification (ASN) as "Associate Professor". (call 23/25 Ministerial Decree n. 1796/2023) for the disciplinary field of 06/F4 - Orthopaedics and rehabilitation medicine.

-Fellowship Study grant awarded from Rizzoli Orthopaedic Institute, Bologna (I). Dec. 1995 to Dec. 1996.

Professional Activities

-Enrolled in the Medical Council of Ravenna (I) and in the register of medical professions of Switzerland.

-Since 1996 Orthopedic Assistant of Prof. Fabrizio Pellacci at "Villa Erbosia Hospital" Bologna, Italy.

-Since 2010: Co-Head of Orthopaedics Department, GVM, Maria Cecilia Hospital- Presidio S. Damiano Hospital, Faenza (RA), Italy.

-Since June 2022: Head of the 1st Orthopaedic Division, Villa Erbosa Hospital, GSD, Bologna, Italy.

- He performed over 15.000 surgical procedures.

Teaching Activities

- Associate Professor at Link Campus University, Rome (Italy), in GSD MEDS/19 ORTHOPAEDICS and REHABILITATION MEDECINE, SSD MEDS/19B Physical and Rehabilitation Medicine.

-Adjunct Professor in Orthopaedics and Physical Therapy, at University of Bologna, in 2023-2024, 2024-2025 and 2025-2026

-Adjunct Professor in Anatomy, at University of Bologna, in 2024-2025.

-Adjunct Professor (Anatomy and Stem Cells) Bio-Molecular Dep., University of Urbino 2023-2024 and 2024-2025.

-Adjunct Professor in Orthopaedics and Rehabilitation Medecin, at University of Padua, in 2024-2025.

-Adjunct Professor in Orthopaedics and Rehabilitation (French Language), at Semmelweis University, Budapest (HU). Ludes Campus, Lugano, Switzerland from 2022-2023 to 2025-2026.

-Adjunct Professor in Orthopaedics, on July 14th 2016, at Ludes (MT), Lugano Campus, Switzerland.

Scientific Activities

-Autor/co-author of 130 scientific publications including abstracts, books and journal contributions.

-Board Member "Sport Traumatology and Arthroscopy" subspeciality committee of the International Society of Orthopaedic Surgery (SICOT), 2023-2025.

-Board Member "Orthopaedic Rehabilitation" subspeciality committee of the SICOT (2025-2027).

-Guest Editor in Journal Popul Ther Clin Pharmacol— Pubmed indexed (2020).

- Elite Reviewer in JISAKOS. Reviewer in several Journal (Journal of Orthopedic Surgery and Techniques, Journal of Int Med. Res, SAGE Open Medical Case Reports).

-Member of editorial board of PLOS One — Pubmed indexed. (2023-2025)

-Member of editorial board of BMC Musculoskeletal Disorders — Pubmed indexed (since 2024).

-Scientific Secretariat of 11 courses, including 6 in collaboration with Mayo Clinic, Rochester, USA.

-Teaching and contribution at international Musculoskeletal Society (IMS) -AAOS Board Review Course.

-Collaboration with various international research groups (USA, EU, MENA).

-Delivered over than 100 oral presentations at national and international congresses.

-Affiliations: SICOT, ICRS, SIOT, SIAGASCOT, SERTOT, OTODI, IMS.

-Language Skill: Italien, Arabic, French and English (C1 certificate British Institut).

Clinical and/or scientific interest

Arthroscopy; Sport traumatology; cartilage pathology; Knee, hip and shoulder Replacement; PJI; Oncology; Orthopedic Rehabilitation.

Indexed Publications

ZMERLY H, Akkawi I, Moscato M, Galletti R, Di Gregori V, Pegreff F. Preoperative strategies to prevent periprosthetic joint infection after knee replacement: evidence-based recommendations for multidisciplinary practice. *Orthop Rev (Pavia)*. 2025;17:143566. Published 2025 Aug 29. doi:10.52965/001c.143566

Akkawi I, **ZMERLY H**, Bacchini P, Draghetti M. Cartilage Repair and Symptom Relief After Autologous Microfragmented Adipose-Derived Mesenchymal Stem Cell Therapy in Hip Osteoarthritis: A Case Report with Histological Correlation. *Curr Stem Cell Res Ther*. Published online September 16, 2025. doi:10.2174/011574888X388459250915055552

ZMERLY H, De Zerbi M, Mahfouz V, Akkawi I, Pegreff F. Defining the boundaries of surgery in pediatric ACL avulsion fractures: A Case Report in a 5-Year-Old Child. *Orthop Rev (Pavia)*. 2025;17:144725. Published 2025 Sep 29. doi:10.52965/001c.144725

ZMERLY H, Akkawi I, Ruinato DA, Moscato M, Draghetti M, Pegreff F. Uncommon Presentation of Giant Tophaceous Gout in the Hand: A Case Report. *Curr Rheumatol Rev*. 2025 May 23. doi: 10.2174/0115733971374467250522093438. Epub ahead of print. PMID: 40417763.

Akkawi I, **ZMERLY H**, Draghetti M, Felli L. Outcome of total knee arthroplasty in patients with Blount disease or Blount-like deformity: a systematic review. *Musculoskelet Surg*. 2025 Feb 22. doi: 10.1007/s12306-025-00893-x. PMID: 39987393.

Akkawi I, **ZMERLY H**, Draghetti M, Felli L. Juvenile Osteochondritis Dissecans: Current Concepts. *Cureus*. (2024) Jul 27;16(7):e65496. doi: 10.7759/cureus.65496. PMID: 39188433.

ZMERLY H., Draghetti M, Moscato M, Akkawi I. (2024). Localized Tenosynovial Giant Cell Tumor of the Knee: An Arthroscopic Excision. *Curr Rheumatol Rev*. 2024 Jan 15. doi: 10.2174/0115733971272967231120114621. PMID: 38231053.

Valentini M, Valentini GM, **ZMERLY H.** (2024). Interrelazioni fra microbiota intestinale e artrosi: la visione sistemica per lo sviluppo di un nuovo target terapeutico articolare. *Giornale Italiano di Ortopedia e Traumatologia* 2024;50:1-9; <https://doi.org/10.32050/0390-0134-N474>

ZMERLY H., Milanese C, El Ghoch M, Itani L, Tannir H, Kreidieh D, Yumuk V, Pellegrini M. (2023) Personalized Physical Activity Programs for the Management of Knee Osteoarthritis in Individuals with Obesity: A Patient-Centered Approach. *Diseases*. 2023 Dec 14;11(4):182. doi: 10.3390/diseases11040182. PMID: 38131988; PMCID: PMC10742871.

Akkawi I, Draghetti M, **ZMERLY H.** Outcome of simultaneous bi-unicompartmental knee arthroplasty: a systematic review. *Acta Biomed*. 2023 Dec 5;94(6):e2023240. doi: 10.23750/abm.v94i6.15006. PMID: 38054676.

ZMERLY H.; El Ghoch, M.E.; Itani, L.; Kreidieh, D.; Yumuk, V.; Pellegrini, M. (2023). Personalized Nutritional Strategies to Reduce Knee Osteoarthritis Severity and Ameliorate Sarcopenic Obesity Indices: A Practical Guide in an Orthopedic Setting. *Nutrients*. 2023 Jul 9;15(14):3085. doi: 10.3390/nu15143085. PMID: 37513503; PMCID: PMC10385346.

ZMERLY H, Russo M, Ceccoli M, Moscato M, Akkawi I. (2023). Treatment of a subcutaneous tibialis anterior tendon rupture with a semitendinosus autograft. *Acta Biomed*. 2023 Jun 23;94(S2):e2023086. doi: 10.23750/abm.v94iS2.13761. PMID: 37366191.

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