

Jean-David Werthel

Hôpital Ambroise Paré
9 avenue Charles de Gaulle
92100 Boulogne-Billancourt

Diplomas and Degrees

2024	Professor of Orthopedics <i>Orthopedic Surgery, Hôpital Ambroise Paré (Pr. Bauer)</i>	Université Versailles-Saint Quentin
2018-2024	Assistant Professor <i>Orthopedic Surgery, Hôpital Ambroise Paré (Pr. Bauer)</i>	Université Versailles-Saint Quentin
2022	Professorial Dissertation (Habilitation) <i>Computer-assisted shoulder surgery – towards a patient-specific biomechanical model</i>	Université Paris Saclay
2018-2021	PhD in computer science <i>Soft tissue planning in shoulder arthroplasty – towards a patient-specific biomechanical model</i> http://www.theses.fr/s211592	LaTIM (UMR 110) IMT Atlantique
2015- 2018	Fellowship <i>Orthopedic Surgery, Hôpital Ambroise Paré (Pr. Hardy-Pr. Bauer)</i> <i>Orthopedic Surgery, Hôpital Bichat/Beaujon (Pr. Massin)</i>	Université Versailles-Saint Quentin Université Paris Diderot, Paris VII
2016	National Doctoral Degree in Orthopedic and Trauma Surgery	Faculté de Médecine Paris Descartes, Paris
2015	Doctor of Medicine. Specialization in General Surgery. Silver Medal for Doctoral thesis at Paris VII University <i>Improvement of initial glenoid fixation of reverse shoulder arthroplasty par the use of patient-specific instrumentation.</i> Roland Petit Award of the best thesis 2016 of the GECO	Université Paris Diderot, Paris VII
2009-2015	D.E.S. General Surgery / D.E.S.C. Orthopedic and Traumatologic Surgery (Residency)	Faculté de Médecine Paris Descartes, Paris V
2015	University diploma in Arthroscopy	Université de Versailles, Saint-Quentin-en-Yvelines

2013-2014	Research Fellowship in the laboratory of Biomechanics of the Mayo Clinic (Pr. An)	Mayo Clinic, Rochester, MN, USA
2012-2014	Masters of Science - Biomechanics (Pr. Skalli) in collaboration with the Mayo Clinic (Pr. An) <i>Moment Arms of the Muscles Around the Shoulder; How Do They Change After Reverse Shoulder Arthroplasty, Effects of Lateralization: A Biomechanical Study.</i>	Ecole Nationale Supérieure des Arts et Métiers, Paris
2014	Mayo Microvascular Surgery Training Center <i>Course in microvascular surgical techniques</i>	Mayo Clinic, Rochester, MN, USA
2014	Inter Academic Degree in Surgical Pathology of the Hand and Upper Limb (Pr. Oberlin)	Université Paris Diderot, Paris VII
2014	University Diploma in Microsurgery	Université Paris Diderot, Paris VII
2012	Academic Degree in Functionnal anatomy (Pr Gagey)	Faculté de Médecine Paris Descartes, Paris V
2010	Double Master of Biological and Medical Science (M1) <i>Cellular Biology/Physiology (Pr. Laplanche)</i>	Faculté de Médecine Paris Descartes, Paris V
2009	Admission by National Competitive Examination for Medical Specialization – named as a resident in the Paris Hospital System (Ranked 419/6323)	Faculté de Médecine Paris Descartes, Paris V
2004-2009	Medical Student, Faculté de Médecine Paris Descartes, Paris V. CSCT 2009	Faculté de Médecine Paris Descartes, Paris V

Fellowships

Research

2019-2020	Collaborator in the Laboratory of Biomechanics of the Mayo Clinic	Mayo Clinic, Rochester, MN, USA
2014-2015	Collaborator in the Laboratory of Biomechanics of the Mayo Clinic	Mayo Clinic, Rochester, MN, USA
2013-2014	Research Fellowship in the laboratory of Biomechanics of the Mayo Clinic (Pr. An)	Mayo Clinic, Rochester, MN, USA

Clinical
Activity

2005 **Internship in kidney and liver transplantation (Pr. Jan, Pr. Rattner) for 3 months**
Presbyterian Hospital, NYC **Presbyterian Hospital/Columbia, NY, USA**

Missions

2012-2024 **4-5 missions/year Pediatric Orthopedic Surgery, upper limb surgery (OBPI, congenital upper limb anomalies, sequelae of war injuries)**

F.M.I.C, Kabul Afghanistan

Children Medical Center, Tehran, Iran

Garden's Hospital, Amman, Jordanie

SOS Mão, Recife, Brazil

CHU Lomé, Togo

Teaching activities

2020-2024 **Teacher for the French University Diploma of Arthroscopic Surgery** **Paris**

2018-2024 **Shoulder arthroscopy teacher**
IRCAD: National Arthroscopy Course **Strasbourg**

2017-2024 **Teacher for the French University Diploma of Shoulder and Elbow**
French Society of Shoulder and Elbow Surgery **Paris**

2016-2024 **Anatomy Teacher: Shoulder**
Master BME : Ecole Nationale Supérieure des Arts et Métiers **Paris**

2015-2017 **Semiology Teacher: locomotor system (Hand and Shoulder) for second year and fourth year medical students**
Hôpital Bichat and Hôpital Ambroise Paré **Paris**

2011-2014 **Orthopedics and Anatomy Teacher**
Fer A Moulin School of Surgery (AP-HP), in charge of Arthroscopic Workshop sessions **Paris**

2011-2014 **Orthopedics Teacher**

- *Private School Conférence Khalifa*
- *Private School Conf Raphael*

2011-2012 **Anatomy and Traumatology teacher**
Dauphine Osteopathy Institute

Scientific Activity

Publications in Peer-reviewed journals (130, h-index 26)

69 publications in peer-reviews journals as first/last author

Reviewer

International Orthopaedics (IF 3.479) *Corresponding Member pour International Orthopedics*
Orthopaedics & Traumatology: Surgery & Research (IF 2.49)
Journal of Shoulder and Elbow Surgery (IF 3.3)
Journal of Bone and Joint Surgery (IF 5.3)
American Journal of Sports Medicine (IF 7.01)

Books

Chapter 22 Glenoid Anatomy and Prosthetic Reconstruction
Raiss P, Edwards P, **Werthel JD**
OKU Shoulder and Elbow 6

Transferts musculaires palliatifs dans la rupture de coiffe
Werthel JD, Grimberg J, Kany J, Valenti P
L'arthroscopie de l'épaule - C. Conso (2021)

Massive Humeral Bone Loss
Schoch B, **Werthel JD**.
Shoulder Arthroplasty: Principles and Practice. Ed J. Zuckerman. (2021).

Quelles sont les grandes familles de PTEI ?
Werthel JD
Latéralisation humérale.
Werthel JD, Flurin PH
Prothèse totale d'épaule inversée. Eds L Favard, P Mansat, SOFCOT (2020)

Distal Humerus Fractures – Hemiarthroplasty
Werthel JD, Steinmann S
Elbow Trauma : A Master Skills Publication, Drs. Scott Steinmann, Donald H Lee (2015)

Orthopédie - Traumatologie en 1000 QROC
Werthel JD, Marie-Hardy L
Ellipses (2015)

Scientific Associations

Member: Société Française de Chirurgie Orthopédique et Traumatologique

(SOFCOT)

Member of the Collège Français des Chirurgiens Orthopédistes et Traumatologues (*silver medal*)

Member: Société Française de l'Epaule et du Coude (SOFEC)

Member: Groupe pour l'Avancement de la Microchirurgie (GAM)

Member of the Société Française d'Arthroscopie (SFA)

Member of the European Society of Shoulder and Elbow Society (SECEC)

Collaboration with the industry

-FH Orthopedics: former member of the design team of the Arrow II shoulder arthroplasty

- Perceive 3D : member of the design team of an augmented reality navigation system for shoulder arthroplasty

- Zimmer-Biomet : former member of the design team of the ROSA robotic system for shoulder arthroplasty

- Stryker : design team for shoulder implants

- Patents:

- o FR3048357 (glenoid implant)

- o FR3093287 (humeral stem)

Languages

English (fluent, *First Certificate in English of the University of Cambridge (grade A)*)

German (read, written, spoken)