EFORT Webinar
Monday 23 February 2026 | 19:00–20:00 CET

KEEPING UP-TO-DATE ON ARTIFICIAL INTELLIGENCE, LARGE-LANGUAGE
MODELS & EXOSKELETONS - DIGITAL ORTHOPAEDICS & TRAUMATOLOGY SERIES

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"Keeping up-to-date on Artificial Intelligence, Large-Language Models and Exoskeletons - Digital Orthopaedics & Traumatology Series:"
Monday 23 FEBRUARY 2026 | 19:00-20:00 CET

Chairs

Prof. Bernd GRIMM | Luxembourg Institute of Health, Dept. Precision Health, Luxembourg
**Porf. Benedikt BRAUN** | BG Klinik Tübingen, University of Tübingen, Germany

Scientific Programme

On Monday 23 February at 19:00 CET, this EFORT Educational Webinar, organised by the FFORT Education committee's Basic research Group (BRG), will address the following topics:

19:00-19:05	**Introduction** **Bernd Grimm** | Luxembourg Institute of Health, Dept. Precision Health, Luxembourg
19:05-19:20	**AI Use Cases and Clinical Evidence Across Trauma Care and Orthopaedic Surgery** **Georg Osterhoff** | BG Klinikum Unfallkrankenhaus Berlin, Dept Trauma Surgery and Orthopedics, Charité - Universitätsmedizin Berlin, Germany
19:20-19:35	**Large-Language-Models such as ChatGPT performing orthopaedic exams: Good enough to pass?** **Pedro Diniz** |Dept Orthopaedic Surgery, Hôpital Universitaire de Bruxelles, Belgium, and Dept Bioengineering and iBB, Instituto Superior Técnico, University of Lisbon, Portugal
19:35-19:45	**Exoskeletons or wearable robots: Overview and orthopaedic applications and possibilities** **Rene Bremm** | Luxembourg Institute of Health, Dept. Precision Health, Luxembourg
19:45-19:55	**Questions and answers** | All Faculty and Webinar audience
19:55-20:00	**Final Remarks** **Benedikt Braun** | BG Klinik Tübingen, University of Tübingen, Germany

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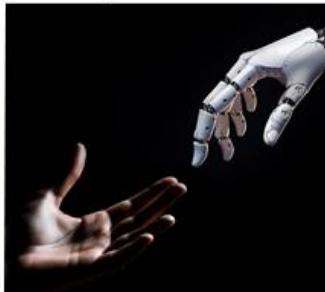
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Learning Objectives

This EFORT Educational Webinar will **focus on relevant updates in the domain of digitalisation in orthopaedics and traumatology**, a fast-evolving field with continuous educational needs.

The objectives of this Webinar are:

- **Know about various clinically relevant uses cases** of artificial intelligence (AI) in trauma care and orthopaedic surgery and the increasing body of clinical evidence available. This may support implementation of these and related AI use cases in clinical practice and further translational research towards bringing the benefits of AI to our patients.

- **Understand the increasing capacity of large-language-models (LLM's) and the different performance of current models** in the context of solving orthopaedic exam questions. This knowledge may change perceptions about the quality, validity, applications and limits of LLM's as a tool for information, education or research in a clinical context.

- **Recognize the fast-evolving technologies around exoskeletons or wearable robots and its increasing use cases and potential in healthcare applications**, particularly in orthopaedics. These insights may lead to generate new use cases, clinical adaptation, translational research and steering technological developments towards needs in O&T.

Disclaimer: This Webinar is organised by EFORT independent of any commercial educational support.

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