OTTO VON GUERICKE UNIVERSITÄT MAGDEBURG

STUDY PROGRAM BIOMECHANICAL ENGINEERING

Biomechanics meets orthopaedics

Students of the interdisciplinary master's program in Biomechanical Engineering had the opportunity to share their theoretical knowledge of exo-prostheses, bandages, orthoses and casts in a practical seminar with theFirma Strehlow and the colleagues o the Universitätsklinik für Orthopädie to test out their expertise.

Seminar for students forms intersection to later professional life

The practical interface is of great importance for the students. In the future, they should be able to understand the complex relationships between orthopedic diseases, functional limitations and biomechanics and be able to apply the right treatment options to improve the health and well-being of patients, reports seminar leader Margit Rudolf, MD. Together with her colleague Martin Röpke, MD, she organizes the seminar, which is very popular with students.

The practical part of the Biomechanical Engineering course relates to the application of biomechanical principles and methods ir the development, manufacture and fitting of orthopedic prostheses. This includes, for example, the adaptation of joint prostheses the patient's individual movement pattern. An important part of the practical work is also the collaboration with the fields of orthopedics, physiotherapy and other medical professionals to ensure the best possible care for the patient.

Biomechanical Engineering in Practice (19 Bilder)


STOP


Myoelectric


JUST CHILLIN


adidas


MANBOX


BESPOKE

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