

# Musculoskeletal System and Rheumatic Diseases



## Objectives of the module

### Participants

- are aware of the specifics of female athletes with regard to injury patterns, trainability and training design, prevention, energy deficit syndromes, pregnancy.
- know the sex-specific differences of the immune system and are able to draw conclusions regarding immunopathogenesis, prevalence, phenotype and thus diagnostics, outcome and therapy of autoimmune diseases.
- know the various examination methods for diagnosing osteoporosis and can interpret their findings.
- know the epidemiological differences in forensic medicine with regard to sex and gender and can derive individual approaches from this.

### Content of the module

- With regard to the musculoskeletal aspects of sports medicine, we discuss the sex- and gender-specific distribution of injury patterns. We explain differences between women and men in sports-associated craniocerebral traumas and in terms of metabolism under physical strain.
- We elaborate sex-specific differences in the prevalence and severity of immunological diseases and in response to therapeutics.
- We discuss gender differences of bone mass and density during different phases of life.
- In Forensic medicine we discuss differences in epidemiology and risk factors of suicide, intoxication, injuries and violence.

### Methods

The course consists of lectures, discussions and group work.

### Proof of performance

Group workshop during the course with interactive

presentation of the results at the end of the workshop.

### Preparation and follow-up

Ten hours preparation (reading), no follow-up

### ECTS-Points

1 ECTS-Point

### Target group

Health care professionals and biomedical researchers, specialists from related fields; a university degree at Master's level is required.

### Lecturers

Prof. Dr. med. Johannes Scherr (Chair)  
Prof. Dr. med. Oliver Distler  
Prof. Dr. med. Mazda Farshad  
Prof. Dr. med. Frauke Förger  
Dr. med. Stefan Fröhlich  
Prof. Dr. med. Rahel Kubik  
Dr. med. Carina Mihai  
Prof. Dr. med. Burkhard Möller  
PD Dr. med. Caroline Ospelt  
Prof. Dr. med. Michael Thali

### Date

1 – 2 November 2021

### Place

Centre for Continuing Education, University of Zurich

### Language

German (slides in English)

### Course fee

CHF 960.–

### Deadline

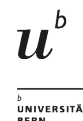
1 October 2021

### Registration

[www.gender-medicine.ch](http://www.gender-medicine.ch)

#### CAS Sex- and Gender-Specific Medicine

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