

BRACCO FELLOWSHIPS EDUCATION IN RESEARCH ENROLMENT FORM

Name of Institution _____ University Medical Center Rostock, Institute of Diagnostic and
Interventional Radiology, Pediatric Radiology and Neuroradiology _____

City and Country of Institution _____ Rostock / Germany _____

RESEARCH GROUP

Brief description of the research group and of its mission:

The musculoskeletal research group headed by Prof. Marc-André Weber closely cooperates with orthopedic surgeons and sports surgeons in the field of athletic groin pain. Current research works focusses on patterns of injury such as superior and secondary cleft signs of dedicated MRI in comparison with targeted fluoroscopy guided contrast agent injection into the symphyseal cleft in patients with athletic chronic groin pain. In addition, the presence of symphyseal instability as assessed by flamingo view projection radiographs is currently correlated to the presence of a cleft sign. Moreover, the value functional MR imaging techniques such as T2 mapping or advanced ultrasound techniques such as superb microvascular imaging (SMI) are evaluated in these patients.

TITLE OF PROPOSED RESEARCH PROJECT

T2 relaxation times of the discus interpubicus in osteitis pubis

OBJECTIVES

- To quantify differences in T2 relaxation times in patients with acute osteitis pubis
- To quantify differences in T2 relaxation times in patients with chronic osteitis pubis
- To quantify standard values of the discus interpubicus in healthy subjects
- To assess differences between healthy subjects and patients

APPLICANT'S DUTIES

- To be one of two readers that separately place three regions-of-interest (ROI) covering the whole discus interpubicus according to prior recommendations (*Maas-KJ et al. PLOS ONE 2018, PMID: 30133521*)
- To repeat the assessment process once on the original MR images to assess repeatability and reliability of the T2 relaxation times

APPLICANT'S BENEFITS

- Participation on scientific outcomes of the project i.e. presentations to congresses or publications of papers are guaranteed and will be strongly supported
 - Presentation of this work as oral presentation is planned at the ECR and ESSR annual scientific meetings
 - Publication of this work as original research paper is planned for European Radiology
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- Project Leader: Prof. Dr. med. Marc-André Weber, M.Sc.
 - Members: Dr. phil. Norman Holl, Andres Arevalo, M.D.