

BRACCO FELLOWSHIPS EDUCATION IN RESEARCH ENROLMENT FORM

Name of Institution Section of Pediatric Radiology, Department of Radiology,
University hospital Jena

City and Country of Institution Jena, Germany

RESEARCH GROUP

The fellow will have the opportunity to join an innovative and well-established research team specializing in pediatric imaging, particularly Contrast enhanced ultrasound (CEUS) and various methods of elastography.

CEUS is used (off label) for advanced assessment of traumatic and non-traumatic organ lesions. Quantitative evaluation is also possible using new analysis tools.

Elastography also enables a qualitative assessment of different tissues in ultrasound.

Ultrasound-guided attenuation parameter (UGAP) is a new method for the quantification of liver fat content based on the determination of the attenuation coefficient (AC).

The applicant will have the opportunity to participate in research projects to investigate the application of these techniques in childhood and adolescence.

Ethics committee approval is possible. The aim of this fellowship is to participate in an original research article as a co-author.

TITLE OF PROPOSED RESEARCH PROJECT

Evaluation of UGAP in diabetics and patients with cystic fibrosis in childhood and adolescence

OBJECTIVES

- Participation in routine examinations in pediatric radiology
- Evaluation of the UGAP / CEUS measurements

APPLICANT'S DUTIES

- Image analysis
- Clinical correlation
- Data interpretation
- Help in preparing a manuscript

APPLICANT'S BENEFITS

- Participation on scientific outcomes of the project i.e. presentations to congresses or publications of papers
 - Joining a well-established research group
 - Structured daily clinical teaching in our section and department and consultations with paediatricians and surgeons
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- Project Leader: Prof. Dr. Hans-Joachim Mentzel
 - Members: Dr. Paul-Christian Krüger
 Dr. Matthias Waginger