



Contribution ID: 10

Type: **Contributed Poster**

## **Diffraction-Enhanced Imaging of normal and arthritic mice feet**

*Thursday 15 September 2005 10:30 (30 minutes)*

The aim of this experiment was to use the Diffraction-Enhanced Imaging (DEI) system at Daresbury, which has recently upgraded with new Channel-cut crystals to produce images of mice's feet. There were two types of mice's feet used, normal and arthritic. The two types of sample were imaged and compared in order to determine whether it was possible to detect the changes in cartilage that are linked with arthritis. The analysis of the results with regards to the presence of arthritis is still to be carried out, however the refraction images of the samples do show clearly some soft tissue structures and the joints in the ankle.

**Author:** CRITTELL, Suzanne (University of Liverpool)

**Presenter:** CRITTELL, Suzanne (University of Liverpool)

**Session Classification:** P : Coffee and Poster Session

**Track Classification:** Applications in Nuclear Medicine And Radiology