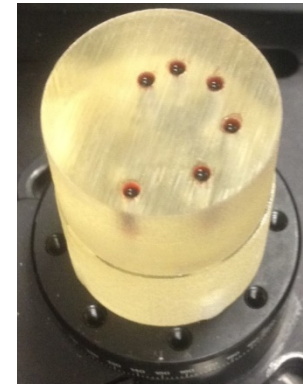


# Investigation of CT Image Quality Achievable From An Experimental Dual Mode Benchtop X-Ray Fluorescence CT (XFCT) and Micro-CT System

**Session Title:** Emerging and Preclinical Modalities

**Date and Time:** 07/29/2018 | 4:00PM — 6:00PM

**Presenting Author:** Luzhen Deng



3D-printed PMMA phantom loaded with gold nanoparticles

## Key results:

- GNP detection limit (CNR>5): 0.2 wt. %
- Delivered x-ray dose: < 1cGy

