BRACCO FELLOWSHIPS - EDUCATION IN RESEARCH

Project 14:

Comparison of radial VIBE MR sequence-based evaluation of split renal function with standard DMSA in Live related renal donors: A pilot study

NAME OF INSTITUTION: Leeds Teaching Hospital NHS Trust, Vascular Radiology, Leeds/UNITED KINGDOM

RESEARCH GROUP AND ITS MISSION:
The research will be undertaken jointly between vascular radiology, medical physics and MRI at University of Leeds. This group is already known for the European multimillion iBeat study and are members of the UK renal imaging network (UKRIN).
The aim of the group is to improve renal imaging at a structural and functional level.

OBJECTIVES:
- To assess the ability of radial VIBE sequence (with DCE for single-kidney GFR) in estimation of renal function
- Comparing it with radio isotope Tc 99 DMSA split renal function scans
- Evaluate clinical application in imaging live related renal donors

APPLICANT’S DUTIES:
- Undertake a literature search and write the project to obtain R and D/ethical approval.
  Please note the sequence and DMSA scan are available and in clinical use
- Participate in analysis of the coded data available including interaction with statistician
- Liaison between clinical based Dr. Puppala where scans are done and research-based Dr. Sourbron when the post processing image analysis will take place

APPLICANT’S BENEFITS:
- Participation on scientific outcomes of the project i.e. presentations to congresses or publications of papers
- Understand MR sequences used in renal evaluation
- Learn the renal transplant donor pathway
NOTE: Please note the applicant will have no direct contact with patient or patient details. They will be able to be onsite as clinical/research observer only. The obtaining of this observer status is a time-consuming process and early start is recommended. The Leeds teaching hospital charges 250£ fee separate to the Visa fee etc. Accommodation is sometimes available in hospital and is not included as standard and incurs a charge i.e. it's not free.