

CARDIOTHORACIC RADIOLOGY FELLOWSHIP

MALLINCKRODT INSTITUTE OF RADIOLOGY

This one-year program, which first started in 1972 and has trained over 35 radiologists, provides a broad experience in all aspects of cardiothoracic imaging, conducted at both the North and South campuses of the Barnes-Jewish Hospital. This includes all aspects of chest radiography and CT/MR cardiac imaging, as well as training in all facets of Computed Body Tomography and Body Magnetic Resonance Imaging examinations, for which the Chest Radiology Section has collaborative staffing responsibility. The Institute maintains the latest in thoracic and cardiac CT/MR imaging equipment, including 16- and 64-detector spiral CT and advanced 1.5T and 3.0T whole body MR systems. Approximately 20% of the time the Fellow will have no clinical responsibilities, enabling academic pursuits or additional experience in clinical cardiac imaging. If desired, the fellow can acquire enough experience in cardiac CT and MR imaging to meet cardiac imaging credentialing requirements. Clinical experience in cardiac imaging will take place on a dedicated Cardiac Imaging Service, and includes coronary CT angiography, CT of congenital heart disease, MR imaging of cardiac function and viability, congenital heart disease and coronary MR angiography. Experience in calcium scoring can also be obtained. Experience in thoracic imaging includes interpretation of chest radiographs and CT, participation in the National Lung Screening Trial (NLST), and thoracic biopsies.

Flexibility to gain experience on PET/CT is also provided. The Mallinckrodt Institute has a PET/CT service with state of the art software equipment where head and neck as well as body and chest cases are performed daily.

This fellowship is designed for board-certified radiologists considering an academic career; it is recognized that some individuals may not have definitively formulated career plans, and this experience can be used to make a final determination regarding academic versus private practice.

The Chest Radiology Section at the Mallinckrodt Institute is the largest academic cardiothoracic section in the world, currently consisting of 11 faculty members: Drs. Stuart S. Sagel, R. Gilbert Jost, D. Claire Anderson, Harvey S. Glazer, Fernando R. Gutierrez, Janice W. Semenkovich, David Gierada, Pamela K. Woodard, Sanjeev Bhalla, Marilyn J. Siegel, and Cylen Javidan.

The Fellow will have some responsibility for teaching radiology residents and medical students, providing consultations to our clinical colleagues, conducting conferences, and for the maintenance, quality control, and growth of cardiothoracic Digital Teaching Files. The Fellow will have many opportunities for collaborative participation in research and publication with members of the Section engaged in investigative projects. On-going and past projects include research in digital imaging technologies and image processing, CT and MR angiography of the pulmonary arteries (PIOPED II and III), CT and MRI for acquired and congenital heart disease, lung transplantation, lung volume reduction surgery, and bronchogenic carcinoma. Strong clinical and research relationships exist with our colleagues in Pulmonary Medicine, Cardiology, and Cardio-Thoracic Surgery.

FERNANDO R. GUTIERREZ, MD

Professor of Radiology

Cardiothoracic Section

Phone: 314-362-2927

(FAX) 314-362-2976

email gutierrezf@mir.wustl.edu