Rosalie Jane Hagge, M.D.

Philosophy of Care

My philosophy of care is to provide patients with outstanding service in Diagnostic Nuclear Medicine Imaging and Radionuclide Therapy. Attention to image quality is particularly important in my practice, as is answering the clinical question being asked by the patient and the referring physician. My approach to care is patient-centered, emphasizing collaboration among our team of talented Nuclear Radiologists, Nuclear Medicine Technologists, nurses, referring physicians, other Radiology subspecialists, Health Physics personnel, Biomedical Engineers, and Nuclear Medicine Physicists to achieve the highest quality of care.

Clinical Interests

Dr. Hagge practices Diagnostic Radiology and Nuclear Medicine. Her principal interest is clinical applications in high resolution, total-body PET/CT (EXPLORER) with emphasis in Oncology. She also has expertise in Radionuclide Therapy, Nuclear Cardiology, and General Nuclear Medicine.

Research/Academic Interests

Dr. Hagge supports Nuclear Medicine research efforts in the Department of Radiology, but the major focus of her practice is patient care and teaching. Her main research interest is clinical applications of the novel high resolution, whole-body PET/CT scanner (EXPLORER). Other interests include observer performance as a metric for evaluating diagnostic imaging systems, and clinical applications in General Nuclear Medicine and Nuclear Cardiology.

Title

Clinical Professor

Specialty

Diagnostic Radiology, Radiology - Nuclear Medicine, Nuclear Cardiology, Oncology

Department

Radiology

Division

Nuclear Medicine

Center/Program Affiliation

UC Davis Comprehensive Cancer Center

Address/Phone

Lawrence J. Ellison Ambulatory Care Center, Radiology, 4860 Y St. Suite 3100 Sacramento, CA 95817

Additional Phone

Physician Referrals: 800-4-UCDAVIS (800-482-3284)

Education

M.D., Washington University School of Medicine, St. Louis MO 1988
Medical Informatics, Sever Institute of Technology and Washington University School of Medicine, St. Louis MO
B.S., Washington University, St. Louis MO 1983
M.S., Washington University, St. Louis MO 1984

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Internships

Transitional Year, St. Louis University / St. John Mercy Medical Center, Creve Coeur MO 1988-1989

Residency

Radiology / Nuclear Medicine, Mallinckrodt Institute of Radiology / Washington University School of Medicine / Barnes Hospital and St. Louis Childrens' Hospital Duke University, St. Louis MO 1992-1993

Board Certifications

American Board of Nuclear Medicine, 2016
American Board of Radiology, Diagnostic Radiology
California Medical License

Professional Memberships

American College of Radiology
Society of Nuclear Medicine

Honors and Awards

Teacher of the Year / UC Davis Radiology Residents, 2018
Susan G. Komen Foundation Grant for Breast Cancer Research, 2001
RSNA Roenten Fellow/Resident Research Award, 1997
RSNA award for resident research, 1998
Resident Teaching Award / Duke University Radiology Residents, 1998
G.E. Medical Systems "Excellence in Clinical PET" Award, 1996
Hugh M. Wilson Award for research in Radiology / Mallinckrodt Institute of Radiology, Washington University School of Medicine, 1988

Select Recent Publications

Bowen SL, Wu Y, Chaudhari AJ, Fu L, Packard NJ, Burkett GW, Yang K, Lindfors KK, Shelton DK, Hagge R, Borowsky AD, Martinez SR, Qi J, Boone JM, Cherry SR, Badawi RD. Initial characterization of a dedicated breast PET/CT scanner during human imaging. J Nucl Med. 2009 Sep;50(9):1401-8. doi:10.2967/jnumed.109.064428. Epub 2009 Aug 18. PMID:19690029.

Clark RP, Wong G, Johnson LM, Hagge RJ, Ciminello F, Lee J, Stone KI, Clark IA. Nasal dorsal augmentation with freeze-dried allograft bone. Plast Reconstr Surg. 2009 Oct;124(4):1312-1325. doi:10.1097/PRS.0b013e3181b5a55b. PMID:19935318.

Hagge RJ, Coleman RE. Positron Emission Tomography: Lung cancer. Semin Roentgenol. 2002:37 (2):110-117.

Ravizzini GC, Hanson MW, Shaw LK, Wong TZ, Hagge RJ, Pagnanelli RA, Jain D, Lima HS Jr,

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Coleman RE, Borges-Neto S. Efficiency comparison between 99m Tc-tetrofosmin and 99m Tc-sestamibi myocardial perfusion studies. Nucl Med Commun. 2002 Mar;23(3):203-8. doi:10.1097/00006231-200203000-00002. Erratum in: Nucl Med Commun. 2006 Apr;27(4):411. PMID: 11891477.

Rohren EM, Paulson EK, Hagge R, Wong TZ, Killius J, Clavien PA, Nelson RC. The role of F-18 FDG positron emission tomography in preoperative assessment of the liver in patients being considered for curative resection of hepatic metastases from colorectal cancer. Clin Nucl Med. 2002 Aug;27(8):550-5. doi:10.1097/00003072-200208000-00002. PMID:12169999.

Hagge RJ, Wong TZ, Coleman RE. Positron emission tomography: brain tumors and lung cancer. Radiol Clin North Am. 2001 Sep;39(5):871-81. doi:10.1016/s0033-8389(05)70318-3. PMID: 11587059.

Hagge RJ, Al-Sugair A, Coleman RE. Non-small cell lung cancer. Bender H, Palmedo H, Brersaik HJ, Valk PE (eds). An Atlas of Clinical PET in Oncology, Springer, Berlin. 2000:153-170.

Hagge RJ. Hypertrophic osteoarthropathy. Provenzale JM, Nelson RC (eds). Duke Radiology Case Review: Imaging, Differential Diagnosis, and Discussion, Lippincott-Raven, New York. 1998.

Zimmerman JB, Hagge RJ, Hartzell KM. A determination of the relative visibility thresholds for basis functions of the Frazier-Jawerth transform. SPIE Medical Imaging IV: Image Capture and Display. 1990;1232:277-292.

Miller TR, Hagge RJ, Wallis JW, Sampathkumaran KS. Interactive digital filtering of gated cardiac studies during cine display. IEEE Trans Med Imaging. 1988;7(3):188-92. doi:10.1109/42.7780. PMID:18230467.

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