John P. McGahan, M.D.

Clinical Interests

Dr. McGahan is a leading interventional and diagnostic radiologist. He has pioneered the use of several innovative techniques, including the use of radiofrequency ablation to treat primary and metastatic tumors (with results comparable to traditional surgery, but with fewer risks). He also has used ablation techniques in the treatment of primary and metastatic liver, renal and lung tumors. He has treated benign and metastatic bone tumors as well. In addition, Dr. McGahan has investigated new techniques of tissue ablation for other organs, such as the prostate and breast. He has pioneered several other interventional techniques, including the development of percutaneous cholecystostomy as well as new techniques for endoluminal drainage of pelvic abscesses. He recently has studied the efficacy of abdominal ultrasound contrast in patients who have different diseases, including the use of ultrasound contrast in patients with hepatic or splenic injuries from blunt abdominal trauma.

Dr. McGahan was appointed as the chairperson by the American College of Radiology for its national Accreditation Program of Ultrasound Practices in the United States and Canada. He serves on the editorial board of several scientific journals and has edited six textbooks, including *Diagnostic Ultrasound, A Logical Approach*; *Diagnostic Imaging of Fetal Anomalies*; and most recently, an *Atlas of Ultrasound Measurements*.

Title

Professor

Specialty

Cancer, Radiology, Radiology - Abdominal Imaging, Radiology - Body MRI, Radiology - Interventional Radiology, Radiology - Radiofrequency Ablation

Department

Radiology

Division

Abdominal Imaging
Body MRI
Radiofrequency Ablation

Center/Program Affiliation

UC Davis Comprehensive Cancer Center

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John P. McGahan, M.D.

Education
M.D., F.A.C.R., Oregon Health & Science University School of Medicine, Portland, Oregon, 1974
B.S., Gonzaga University, Spokane, Washington, 1970

Internships
UC Davis Medical Center, Sacramento, California, 1974-1975

Residency
UC Davis Medical Center, Sacramento, California, 1975-1979

Board Certifications
American Board of Radiology, 1979
American Board of Radiology, Vascular and Interventional Radiology, 1995
National Board of Medical Examiners, 1974

Professional Memberships
American College of Radiology, Fellow
American Institute of Ultrasound in Medicine, Fellow
American Roentgen Ray Society
Association of University Radiologists
International Hepato-Biliary Pancreatic Association
International Society of Biliary Radiology
Radiological Society of North America
Society of Biliary Radiology
Society of Radiologists in Ultrasound, Fellow

Select Recent Publications
Katzberg RW, McGahan JP. Science to practice: Will Gadolinium--enhanced MR imaging be useful in assessment of at-risk pregnancies? Radiology. 2011 Feb;258(2):325-6.
Lam D, Wootton-Gorges SL, McGahan JP, Stern R, Boone JM. Abdominal pediatric cancer surveillance using serial computed tomography: evaluation of organ absorbed dose and effective dose. Semin Oncol. 2011 Feb;38(1):128-35.
McGahan JP, Loh S, Boschini FJ, Paoli EE, Brock JM, Monsky WL, Li CS. Maximizing parameters for tissue ablation by using an internally cooled electrode.
Towner D, Gerscovich EO, Chiong BB, Rhee-Morris L, McGahan JP. Comparison of single versus multiple echogenic foci in the fetal heart regarding risk of aneuploidy. J Ultrasound Med. 2010 Jul; 29(7):1061-7.
Holmes JF, Wisner DH, McGahan JP, Mower WR, Kuppermann N. Clinical prediction rules for identifying adults at very low risk for intra-abdominal injuries after blunt trauma. Ann Emerg Med. 2009 Oct;54(4):575-84. Epub 2009 May 19.
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Naderi S, McGahan JP. A primer for fetal cardiac imaging: a stepwise approach for 2-dimensional imaging. *Ultrasound Q.* 2008 Sep; 24(3):195-206.

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McGahan JP, Horton S, Gerscovich EO, Gillen M, Richards JR, Cronan MS, Brock JM, Battistella F, Weisner DH, Holmes JF. Appearance of solid-organ injury with contrast-enhanced sonography in blunt abdominal trauma: Preliminary experience. *Am J Roentgenol*, 187(3):658-66, Sep 2006.

McGahan JP, Ro KM, Evans CP, Ellison LM. Efficacy of transhepatic radiofrequency ablation of renal-cell carcinoma. *Am J Roentgenol*, 186(5 Suppl):S311-5, May 2006.

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