

Stanford



Robert Herfkens

Professor of Radiology (Cardiovascular Imaging), Emeritus

CLINICAL OFFICES

- **Diagnostic Radiology**

300 Pasteur Dr

Stanford, CA 94305

Tel (650) 723-4733

Fax (650) 723-5795

Bio

CLINICAL FOCUS

- Diagnostic Radiology
- Radiology

ACADEMIC APPOINTMENTS

- Professor Emeritus-Hourly, Radiology
- Member, Stanford Cancer Institute

ADMINISTRATIVE APPOINTMENTS

- Co-director of PET/CT, Department of Radiology, Stanford University, (2002-2004)
- Director of Destination Digital (PACS#digital imaging transfer), Department of Radiology, Stanford University, (2001- present)
- Director of MRI, Department of Radiology, Stanford University, (1990- present)
- Associate Chair for Clinical Technology, Department of Radiology, Stanford University, (2005- present)

HONORS AND AWARDS

- Chair, Safety Committee, International Society of Magnetic Resonance in Medicine (1996-1997)
- President, International Society of Magnetic Resonance in Medicine (1998-1999)
- Fellow, International Society of Magnetic Resonance in Medicine (2001)
- Lauterbur Award, Society of Computed Body Tomography and MR ('01,02,03,04, 2005,2009)

PROFESSIONAL EDUCATION

- Fellowship: Stanford University Radiology Fellowships (1980) CA
- Fellowship: Stanford University Radiology Fellowships (1979) CA
- Residency: UCSF Radiology Residency (1978) CA
- Residency: Loyola University Internal Medicine Residency (1976) IL
- Medical Education: Loyola University Stritch School of Medicine (1974) IL

- Board Certification: Nuclear Radiology, American Board of Radiology (1980)
- Board Certification: Diagnostic Radiology, American Board of Radiology (1979)
- None, Creighton University , Chemistry
- M.D., Loyola-Stritch SOM , Medicine (1974)
- Residency, Loyola-Stritch , Internal Medicine (1976)
- Residency, UCSF , Radiology (1978)
- Research Fellowship, UCSF , Nuclear Medicine (1979)

COMMUNITY AND INTERNATIONAL WORK

- Multiple Committees

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Imaging of cardiovascular diseases with CT, magnetic resonance imaging and spectroscopy

Publications

PUBLICATIONS

- **Greater asymmetric wall shear stress in Sievers' type 1/LR compared with 0/LAT bicuspid aortic valves after valve-sparing aortic root replacement** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Stephens, E. H., Hope, T. A., Kari, F. A., Kvitting, J. E., Liang, D. H., Herfkens, R. J., Miller, D. C.
2015; 150 (1): 59-68
- **Simultaneous Whole-Body Time-of-Flight F-18-FDG PET/MRI A Pilot Study Comparing SUVmax With PET/CT and Assessment of MR Image Quality** *CLINICAL NUCLEAR MEDICINE*
Iagaru, A., Mitra, E., Minamimoto, R., Jamali, M., Levin, C., Quon, A., Gold, G., Herfkens, R., Vasanawala, S., Gambhir, S. S., Zaharchuk, G.
2015; 14 (1): 1-8
- **Simultaneous whole-body time-of-flight 18F-FDG PET/MRI: a pilot study comparing SUVmax with PET/CT and assessment of MR image quality.** *Clinical nuclear medicine*
Iagaru, A., Mitra, E., Minamimoto, R., Jamali, M., Levin, C., Quon, A., Gold, G., Herfkens, R., Vasanawala, S., Gambhir, S. S., Zaharchuk, G.
2015; 40 (1): 1-8
- **Respiratory-Induced 3D Deformations of the Renal Arteries Quantified With Geometric Modeling During Inspiration and Expiration Breath-Holds of Magnetic Resonance Angiography** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
Suh, G., Choi, G., Draney, M. T., Herfkens, R. J., Dalman, R. L., Cheng, C. P.
2013; 38 (6): 1325-1332
- **Putting the Fat and Water Protons to Work for You: A Demonstration Through Clinical Cases of How Fat-Water Separation Techniques Can Benefit Your Body MRI Practice** *AMERICAN JOURNAL OF ROENTGENOLOGY*
Rampton, J. W., Young, P. M., Fidler, J. L., Hartman, R. P., Herfkens, R. J.
2013; 201 (6): 1303-1308
- **Evaluation of Marfan patients status post valve-sparing aortic root replacement with 4D flow** *MAGNETIC RESONANCE IMAGING*
Hope, T. A., Kvitting, J. E., Hope, M. D., Miller, D. C., Markl, M., Herfkens, R. J.
2013; 31 (9): 1479-1484
- **Improvement of gadoxetate arterial phase capture with a high spatio-temporal resolution multiphase three-dimensional SPGR-dixon sequence.** *Journal of magnetic resonance imaging*
Hope, T. A., Saranathan, M., Petkovska, I., Hargreaves, B. A., Herfkens, R. J., Vasanawala, S. S.
2013; 38 (4): 938-945
- **Respiration-induced Deformations of the Superior Mesenteric and Renal Arteries in Patients with Abdominal Aortic Aneurysms.** *Journal of vascular and interventional radiology*

- Suh, G., Choi, G., Herfkens, R. J., Dalman, R. L., Cheng, C. P.
2013; 24 (7): 1035-1042
- **Pilot prospective evaluation of 99mTc-MDP scintigraphy, 18F NaF PET/CT, 18F FDG PET/CT and whole-body MRI for detection of skeletal metastases.** *Clinical nuclear medicine*
Iagaru, A., Young, P., Mitra, E., Dick, D. W., Herfkens, R., Gambhir, S. S.
2013; 38 (7): e290-6
 - **2013 ACCF/ACR/ASE/ASNC/SCCT/SCMR Appropriate Utilization of Cardiovascular Imaging in Heart Failure: An Executive Summary A Joint Report of the ACR Appropriateness Criteria (R) Committee and the ACCF Appropriate Use Criteria Task Force** *JOURNAL OF THE AMERICAN COLLEGE OF RADIOLOGY*
White, R. D., Patel, M. R., Abbara, S., Bluemke, D. A., Herfkens, R. J., Picard, M., Shaw, L. J., Silver, M., Stillman, A. E., Udelson, J.
2013; 10 (7): 493-500
 - **Pilot prospective evaluation of 99mTc-MDP scintigraphy, 18F NaF PET/CT, 18F FDG PET/CT and whole-body MRI for detection of skeletal metastases.** *Clinical nuclear medicine*
Iagaru, A., Young, P., Mitra, E., Dick, D. W., Herfkens, R., Gambhir, S. S.
2013; 38 (7): e290-6
 - **2013 ACCF/ACR/ASE/ASNC/SCCT/SCMR Appropriate Utilization of Cardiovascular Imaging in Heart Failure: A Joint Report of the American College of Radiology Appropriateness Criteria Committee and the American College of Cardiology Foundation Appropriate Use Criteria Task Force.** *Journal of the American College of Cardiology*
Patel, M. R., White, R. D., Abbara, S., Bluemke, D. A., Herfkens, R. J., Picard, M., Shaw, L. J., Silver, M., Stillman, A. E., Udelson, J.
2013; 61 (21): 2207-2231
 - **Intravaginal Gel for Staging of Female Pelvic Cancers-Preliminary Report of Safety, Distention, and Gel-Mucosal Contrast During Magnetic Resonance Examination** *JOURNAL OF COMPUTER ASSISTED TOMOGRAPHY*
Young, P., Daniel, B., Sommer, G., Kim, B., Herfkens, R.
2012; 36 (2): 253-256
 - **Rapid Pediatric Cardiac Assessment of Flow and Ventricular Volume With Compressed Sensing Parallel Imaging Volumetric Cine Phase-Contrast MRI** *AMERICAN JOURNAL OF ROENTGENOLOGY*
Hsiao, A., Lustig, M., Alley, M. T., Murphy, M., Chan, F. P., Herfkens, R. J., Vasanawala, S. S.
2012; 198 (3): W250-W259
 - **Cardiac Imaging: Part 2, Normal, Variant, and Anomalous Configurations of the Coronary Vasculature** *AMERICAN JOURNAL OF ROENTGENOLOGY*
Young, P. M., Gerber, T. C., Williamson, E. E., Julsrud, P. R., Herfkens, R. J.
2011; 197 (4): 816-826
 - **Comparison of MR and Contrast Venography of the Cervical Venous System in Multiple Sclerosis** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Zaharchuk, G., Fischbein, N. J., Rosenberg, J., Herfkens, R. J., Dake, M. D.
2011; 32 (8): 1482-1489
 - **Hemodynamic Changes Quantified in Abdominal Aortic Aneurysms with Increasing Exercise Intensity Using MR Exercise Imaging and Image-Based Computational Fluid Dynamics** *ANNALS OF BIOMEDICAL ENGINEERING*
Suh, G., Les, A. S., Tenforde, A. S., Shadden, S. C., Spilker, R. L., Yeung, J. J., Cheng, C. P., Herfkens, R. J., Dalman, R. L., Taylor, C. A.
2011; 39 (8): 2186-2202
 - **Intraprocedure Visualization of the Esophagus Using Interventional C-arm CT as Guidance for Left Atrial Radiofrequency Ablation** *ACADEMIC RADIOLOGY*
Tognolini, A., Al-Ahmad, A., Wang, P. J., Hsia, H. H., Herfkens, R. J., Girard, E., Moore, T., Fahrig, R.
2011; 18 (7): 850-857
 - **Improved cardiovascular flow quantification with time-resolved volumetric phase-contrast MRI** *PEDIATRIC RADIOLOGY*
Hsiao, A., Alley, M. T., Massaband, P., Herfkens, R. J., Chan, F. P., Vasanawala, S. S.
2011; 41 (6): 711-720
 - **In-vivo Imaging of Femoral Artery Nitinol Stents for Deformation Analysis** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
Ganguly, A., Simons, J., Schneider, A., Keck, B., Bennett, N. R., Herfkens, R. J., Coogan, S. M., Fahrig, R.
2011; 22 (2): 244-249

- **Quantification of Particle Residence Time in Abdominal Aortic Aneurysms Using Magnetic Resonance Imaging and Computational Fluid Dynamics** *ANNALS OF BIOMEDICAL ENGINEERING*
Suh, G., Les, A. S., Tenforde, A. S., Shadden, S. C., Spilker, R. L., Yeung, J. J., Cheng, C. P., Herfkens, R. J., Dalman, R. L., Taylor, C. A.
2011; 39 (2): 864-883
- **Respiratory Navigated Free Breathing 3D Spoiled Gradient-Recalled Echo Sequence for Contrast-Enhanced Examination of the Liver: Diagnostic Utility and Comparison With Free Breathing and Breath-Hold Conventional Examinations** *AMERICAN JOURNAL OF ROENTGENOLOGY*
Young, P. M., Brau, A. C., Iwate, Y., Vasanaawala, S., Daniel, B. L., Tamrazi, A., Herfkens, R. J.
2010; 195 (3): 687-691
- **Quantification of Hemodynamics in Abdominal Aortic Aneurysms During Rest and Exercise Using Magnetic Resonance Imaging and Computational Fluid Dynamics** *ANNALS OF BIOMEDICAL ENGINEERING*
Les, A. S., Shadden, S. C., Figueroa, C. A., Park, J. M., Tedesco, M. M., Herfkens, R. J., Dalman, R. L., Taylor, C. A.
2010; 38 (4): 1288-1313
- **Navigated abdominal T1-W MRI permits free-breathing image acquisition with less motion artifact** *PEDIATRIC RADIOLOGY*
Vasanaawala, S. S., Iwate, Y., Church, D. G., Herfkens, R. J., Brau, A. C.
2010; 40 (3): 340-344
- **Quantifying In Vivo Hemodynamic Response to Exercise in Patients With Intermittent Claudication and Abdominal Aortic Aneurysms Using Cine Phase-Contrast MRI** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
Tenforde, A. S., Cheng, C. P., Suh, G., Herfkens, R. J., Dalman, R. L., Taylor, C. A.
2010; 31 (2): 425-429
- **The Effect of Aging on Deformations of the Superficial Femoral Artery Resulting from Hip and Knee Flexion: Potential Clinical Implications** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
Cheng, C. P., Choi, G., Herfkens, R. J., Taylor, C. A.
2010; 21 (2): 195-202
- **Nephrogenic Systemic Fibrosis in Rats Treated with Erythropoietin and Intravenous Iron** *RADIOLOGY*
Hope, T. A., High, W. A., LeBoit, P. E., Chaopathomkul, B., Rogut, V. S., Herfkens, R. J., Brasch, R. C.
2009; 253 (2): 390-398
- **Initial experience characterizing a type I endoleak from velocity profiles using time-resolved three-dimensional phase-contrast MRI** *JOURNAL OF VASCULAR SURGERY*
Hope, T. A., Zarins, C. K., Herfkens, R. J.
2009; 49 (6): 1580-1584
- **Nephrogenic Systemic Fibrosis in Patients With Chronic Kidney Disease Who Received Gadopentetate Dimeglumine** *INVESTIGATIVE RADIOLOGY*
Hope, T. A., Herfkens, R. J., Denianke, K. S., LeBoit, P. E., Hung, Y., Weil, E.
2009; 44 (3): 135-139
- **Practice Advisory on Anesthetic Care for Magnetic Resonance Imaging A Report by the American Society of Anesthesiologists Task Force on Anesthetic Care for Magnetic Resonance Imaging** *ANESTHESIOLOGY*
Ehrenwerth, J., Singleton, M. A., Bell, C., Brown, J. A., Clark, R. M., Connis, R. T., Herfkens, R., Litt, L., Mason, K. P., McClain, C. D., Nickinovich, D. G., Ryan, S. M., Sandberg, et al
2009; 110 (3): 459-479
- **HEMODYNAMICS IN ABDOMINAL AORTIC ANEURYSMS AT REST AND GRADED LEVELS OF EXERCISE** *ASME Summer Bioengineering Conference*
Suh, G. K., Tenforde, A., Shadden, S., Spilker, R., Cheng, C. P., Herfkens, R. J., Dalman, R. L., Taylor, C. A.
AMER SOC MECHANICAL ENGINEERS.2009: 383-384
- **VOLUMETRIC FLOW AT THE SUPRACELIAC AND INFRARENAL LEVELS IN PATIENTS WITH ABDOMINAL AORTIC ANEURYSM: WAVEFORMS AND ALLOMETRIC SCALING RELATIONSHIPS** *ASME Summer Bioengineering Conference*
Les, A. S., Yeung, J. J., Young, P. M., Herfkens, R. J., Dalman, R. L., Taylor, C. A.
AMER SOC MECHANICAL ENGINEERS.2009: 921-922
- **MRI and H-1 MRS of The Breast: Presence of a Choline Peak as Malignancy Marker is Related to k21 Value of the Tumor in Patients with Invasive Ductal Carcinoma** *BREAST JOURNAL*
Geraghty, P. R., van den Bosch, M. A., Spielman, D. M., Hunjan, S., Birdwell, R. L., Fong, K. J., Stables, L. A., Zakhour, M., Herfkens, R. J., Ikeda, D. M.

2008; 14 (6): 574-580

- **The aortopathy of bicuspid aortic valve disease has distinctive patterns and usually involves the transverse aortic arch** *33rd Annual Meeting of the Western-Thoracic-Surgical-Association*
Fazel, S. S., Mallidi, H. R., Lee, R. S., Sheehan, M. P., Liang, D., Fleischman, D., Herfkens, R., Mitchell, S., Miller, D. C.
MOSBY-ELSEVIER.2008: 901-U54
- **Technical advances in cardiovascular imaging.** *Seminars in thoracic and cardiovascular surgery*
Fleischmann, D., Liang, D. H., Herfkens, R. J.
2008; 20 (4): 333-339
- **Imaging of the thoracic aorta with time-resolved three-dimensional phase-contrast MRI: a review.** *Seminars in thoracic and cardiovascular surgery*
Hope, T. A., Herfkens, R. J.
2008; 20 (4): 358-364
- **Comparison of flow patterns in ascending aortic aneurysms and volunteers using four-dimensional magnetic resonance velocity mapping** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
Hope, T. A., Markl, M., Wigstrom, L., Alley, M. T., Miller, D. C., Herfkens, R. J.
2007; 26 (6): 1471-1479
- **Molecular imaging techniques in body imaging** *RADIOLOGY*
Margolis, D. J., Hoffman, J. M., Herfkens, R. J., Jeffrey, R. B., Quon, A., Gambhir, S. S.
2007; 245 (2): 333-356
- **Detection of bone metastases: Assessment of integrated FDG PET/CT imaging** *RADIOLOGY*
Taira, A. V., Herfkens, R. J., Gambhir, S. S., Quon, A.
2007; 243 (1): 204-211
- **Hemodynamics in human abdominal aortic aneurysms during rest and simulated exercise** *ASME Summer Bioengineering Conference*
Les, A. S., Cheng, C. P., Blomme, M. T., Figueroa, C. A., LaDisa, J. F., Park, J. M., Herfkens, R. J., Dalman, R. L., Taylor, C. A.
AMER SOC MECHANICAL ENGINEERS.2007: 169-170
- **Water-selective spectral-spatial contrast-enhanced breast MRI for cancer detection in patients with extracapsular and injected free silicone** *MAGNETIC RESONANCE IMAGING*
Po, J., Margolis, D. J., Cunningham, C. H., Herfkens, R. J., Ikeda, D. M., Daniel, B. L.
2006; 24 (10): 1363-1367
- **Aortoiliac hemodynamic and morphologic adaptation to chronic spinal cord injury** *20th Annual Meeting of the Western-Vascular-Society*
Yeung, J. J., Kim, H. J., Abbruzzese, T. A., Vignon-Clementel, I. E., Draney-Blomme, M. T., Yeung, K. K., Perakash, I., Herfkens, R. J., Taylor, C. A., Dalman, R. L.
MOSBY-ELSEVIER.2006: 1254-65
- **Quantification of radial compression and deflection of superficial femoral artery due to musculoskeletal motion** *18th Annual Transcatheter Cardiovascular Therapeutics Symposium*
Choi, G., Cheng, C. P., Suh, G. Y., Donovan, F. D., Herfkens, R. J., Taylor, C. A.
EXCERPTA MEDICA INC-ELSEVIER SCIENCE INC.2006: 108M-108M
- **In vivo axial and twisting deformations of the superficial femoral artery due to hip and knee flexion: The RESISent consortium experience** *18th Annual Transcatheter Cardiovascular Therapeutics Symposium*
Cheng, C. P., Choi, G., Suh, G. Y., Donovan, F. D., Herfkens, R. J., Taylor, C. A.
EXCERPTA MEDICA INC-ELSEVIER SCIENCE INC.2006: 110M-110M
- **Indirect MR lymphangiography of the head and neck using conventional gadolinium contrast: A pilot study in humans** *45th Annual Meeting of the American-Society-for-Therapeutic-Radiology-and-Oncology (ASTRO)*
Loo, B. W., Draney, M. T., Sivanandan, R., Ruehm, S. G., Pawlicki, T., Xing, L., Herfkens, R. J., Le, Q.
ELSEVIER SCIENCE INC.2006: 462-68
- **Abdominal aortic hemodynamics in young healthy adults at rest and during lower limb exercise: quantification using image-based computer modeling** *AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY*
Tang, B. T., Cheng, C. P., Draney, M. T., Wilson, N. M., Tsao, P. S., Herfkens, R. J., Taylor, C. A.
2006; 291 (2): H668-H676

- **In vivo MR angiographic quantification of axial and twisting deformations of the superficial femoral artery resulting from maximum hip and knee flexion** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
Cheng, C. P., Wilson, N. M., Hallett, R. L., Herfkens, R. J., Taylor, C. A.
2006; 17 (6): 979-987
- **Peri-infarct ischemia determined by cardiovascular magnetic resonance evaluation of myocardial viability and stress perfusion predicts future cardiovascular events in patients with severe ischemic cardiomyopathy** *JOURNAL OF CARDIOVASCULAR MAGNETIC RESONANCE*
Tsukiji, M., Nguyen, P., Narayan, G., Hellinger, J., Chan, F., Herfkens, R., Pauly, J. M., McConnell, M. V., Yang, P. C.
2006; 8 (6): 773-779
- **The lactating breast: Contrast-enhanced MR Imaging of normal tissue and cancer** *RADIOLOGY*
Espinosa, L. A., Daniel, B. L., Vidarsson, L., Zakhour, M., Ikeda, D. M., Herfkens, R. J.
2005; 237 (2): 429-436
- **Magnetic resonance imaging of myocardial viability predicts future cardiovascular events in patients with severe ischemic cardiomyopathy** *78th Annual Scientific Session of the American-Heart-Association*
Tsukiji, M., Nguyen, P., Narayan, G., Hellinger, J., Chan, F. P., Herfkens, R., McConnell, M. V., Yang, P. C.
LIPPINCOTT WILLIAMS & WILKINS.2005: U529-U530
- **Contrast-enhanced MRI of ductal carcinoma in situ: Characteristics of a new intensity-modulated parametric mapping technique correlated with histopathologic findings** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
Mariano, M. N., van den Bosch, M. A., Daniel, B. L., Nowels, K. W., Birdwell, R. L., Fong, K. J., Desmond, P. S., Plevritis, S., Stables, L. A., Zakhour, M., Herfkens, R. J., Ikeda, D. M.
2005; 22 (4): 520-526
- **Time-resolved three-dimensional magnetic resonance velocity mapping of aortic flow in healthy volunteers and patients after valve-sparing aortic root replacement** *30th Annual Meeting of the Western-Thoracic-Surgical-Association*
Markl, M., Draney, M. T., Miller, D. C., Levin, J. M., Williamson, E. E., Pelc, N. J., Liang, D. H., Herfkens, R. J.
MOSBY-ELSEVIER.2005: 456-63
- **Magnetic resonance imaging characteristics of fibrocystic change of the breast** *INVESTIGATIVE RADIOLOGY*
van den Bosch, M. A., Daniel, B. L., Mariano, M. N., Nowels, K. N., Birdwell, R. L., Fong, K. J., Desmond, P. S., Plevritis, S., Stables, L. A., Zakhour, M., Herfkens, R. J., Ikeda, D. M.
2005; 40 (7): 436-441
- **Cardiac CINE imaging with IDEAL water-fat separation and steady-state free precession** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
Reeder, S. B., Markl, M., Yu, H. Z., Hellinger, J. C., Herfkens, R. J., Pelc, N. J.
2005; 22 (1): 44-52
- **Proximal pulmonary artery blood flow characteristics in healthy subjects measured in an upright posture using MRI: The effects of exercise and age** *12th Annual Meeting of the International-Society-for-Magnetic-Resonance-in-Medicine*
Cheng, C. P., Herfkens, R. J., Taylor, C. A., Feinstein, J. A.
JOHN WILEY & SONS INC.2005: 752-58
- **Peri-infarct ischemia determined by comprehensive MR evaluation of myocardial viability and stress perfusion predicts future cardiovascular events in patients with severe ischemic cardiomyopathy** *54th Annual Scientific Session of the American-College-of-Cardiology*
Tsukiji, M., Nguyen, P., Narayan, G., Hellinger, J., Chan, F., Herfkens, R., McConnell, M. V., Yang, P.
ELSEVIER SCIENCE INC.2005: 446A-446A
- **Pericardial lymph node involvement in lymphoma as identified on PET** *CLINICAL NUCLEAR MEDICINE*
Franc, B., Yoshida, E., Herfkens, R., Goris, M.
2004; 29 (11): 741-742
- **Quantification of vessel wall motion and cyclic strain using cine phase contrast MRI: In vivo validation in the porcine aorta** *MAGNETIC RESONANCE IN MEDICINE*
Draney, M. T., Arko, F. R., Alley, M. T., Markl, M., Herfkens, R. J., Pelc, N. J., Zarins, C. K., Taylor, C. A.
2004; 52 (2): 286-295
- **Blood flow conditions in the proximal pulmonary arteries and vena cavae: healthy children during upright cycling exercise** *AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY*
Cheng, C. P., Herfkens, R. J., Lightner, A. L., Taylor, C. A., Feinstein, J. A.

2004; 287 (2): H921-H926

- **Time-resolved 3-dimensional velocity mapping in the thoracic aorta - Visualization of 3-directional blood flow patterns in healthy volunteers and patients** *JOURNAL OF COMPUTER ASSISTED TOMOGRAPHY*
Markl, M., Draney, M. T., Hope, M. D., Levin, J. M., Chan, F. P., Alley, M. T., Pelc, N. J., Herfkens, R. J.
2004; 28 (4): 459-468
- **Images in cardiovascular medicine. Four-dimensional magnetic resonance velocity mapping in a healthy volunteer with pseudocoarctation of the thoracic aorta.** *Circulation*
Hope, M. D., Levin, J. M., Markl, M., Draney, M. T., Alley, M., Herfkens, R. J.
2004; 109 (25): 3221-3222
- **Upright seated pulmonary and caval blood flow characteristics during rest and cycling exercise using magnetic resonance imaging** *53rd Annual Scientific Session of the American-College-of-Cardiology*
CHANG, C. P., Herfkens, R. J., Lightner, A. L., Taylor, C. A., Feinstein, J. A.
ELSEVIER SCIENCE INC.2004: 396A-396A
- **Steady-state free precession MR imaging: Improved myocardial tag persistence and signal-to-noise ratio for analysis of myocardial motion** *88th Scientific Assembly and Annual Meeting of the Radiological-Society-of-North-America*
Markl, M., Reeder, S. B., Chan, F. P., Alley, M. T., Herfkens, R. J., Pelc, N. J.
RADIOLOGICAL SOC NORTH AMERICA.2004: 852-61
- **Breast magnetic resonance image screening and ductal lavage in women at high genetic risk for breast carcinoma** *CANCER*
Hartman, A. R., Daniel, B. L., Kurian, A. W., Mills, M. A., Nowels, K. W., Dirbas, F. M., Kingham, K. E., Chun, N. M., Herfkens, R. J., Ford, J. M., Plevritis, S. K.
2004; 100 (3): 479-489
- **A pilot breast cancer screening trial for women at high inherited risk using clinical breast exam, mammography, breast magnetic resonance imaging, and ductal lavage: updated results after median follow-up of fourteen months.** *27th Annual San Antonio Breast Cancer Symposium*
Kurian, A. W., Daniel, B. L., Mills, M. A., Nowels, K. W., Ford, J. M., Plevritis, S. K., Kingham, K. E., Chun, N. M., Herfkens, R. J., Dirbas, F. M., Garber, J. M., Hartman, A. R.
SPRINGER.2004: S187-S188
- **Helical MR: Continuously moving table axial imaging with radial acquisitions** *MAGNETIC RESONANCE IN MEDICINE*
Shankaranarayanan, A., Herfkens, R., Hargreaves, B. M., Polzin, J. A., Santos, J. M., Brittain, J. H.
2003; 50 (5): 1053-1060
- **Abdominal aortic hemodynamic conditions in healthy subjects aged 50-70 at rest and during lower limb exercise: in vivo quantification using MRI** *ATHEROSCLEROSIS*
Cheng, C. P., Herfkens, R. J., Taylor, C. A.
2003; 168 (2): 323-331
- **Inferior vena caval hemodynamics quantified in vivo at rest and during cycling exercise using magnetic resonance imaging** *AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY*
Cheng, C. P., Herfkens, R. J., Taylor, C. A.
2003; 284 (4): H1161-H1167
- **Time-resolved three-dimensional phase-contrast MRI** *10th Annual Meeting of the International-Society-for-Magnetic-Resonance-in-Medicine (ISMRM)*
Markl, M., Chan, F. P., Alley, M. T., Wedding, K. L., Draney, M. T., Elkins, C. J., Parker, D. W., Wicker, R., Taylor, C. A., Herfkens, R. J., Pelc, N. J.
JOHN WILEY & SONS INC.2003: 499-506
- **Dynamic exercise imaging with an MR-Compatible stationary cycle within the general electric open magnet** *MAGNETIC RESONANCE IN MEDICINE*
Cheng, C. P., Schwandt, D. F., Topp, E. L., Anderson, J. H., Herfkens, R. J., Taylor, C. A.
2003; 49 (3): 581-585
- **Comparison of abdominal aortic hemodynamics between men and women at rest and during lower limb exercise** *JOURNAL OF VASCULAR SURGERY*
Cheng, C. P., Herfkens, R. J., Taylor, C. A.
2003; 37 (1): 118-123
- **Results from a pilot breast cancer screening trial using a combination of clinical breast exam, mammography, breast MRI, and ductal lavage in a high-risk population** *26th Annual San Antonio Breast Cancer Symposium*
Hartman, A. R., Kurian, A., Mills, M. A., Daniel, B. L., Ford, J. M., Kingham, K. E., Chun, N. M., Nowels, K. W., Herfkens, R. J., Dirbas, F. M., Plevritis, S. K.

SPRINGER.2003: S22–S23

- **Comprehensive screening using breast MRI and ductal lavage in high-risk women.** *25th San Antonio Breast Cancer Symposium*
Hartman, A. R., Daniel, B. L., Ford, J. M., Chun, N. M., Kingham, K. E., Mills, M. A., Grekowicz, A. M., Jacobs, C. D., Herfkens, R. J., Nowels, K. W., Dirbas, F. M., Plevritis, S. K.
SPRINGER.2002: S152–S152
- **Quantification of vessel wall cyclic strain using cine phase contrast magnetic resonance imaging** *ANNALS OF BIOMEDICAL ENGINEERING*
Draney, M. T., Herfkens, R. J., Hughes, T. J., Pelc, N. J., Wedding, K. L., Zarins, C. K., Taylor, C. A.
2002; 30 (8): 1033-1045
- **Intraoperative MR imaging: Can image guidance improve therapy?** *ACADEMIC RADIOLOGY*
Daniel, B., Herfkens, R.
2002; 9 (8): 875-877
- **MR imaging features of infiltrating lobular carcinoma of the breast: Histopathologic correlation** *AMERICAN JOURNAL OF ROENTGENOLOGY*
Qayyum, A., Birdwell, R. L., Daniel, B. L., Nowels, K. W., Jeffrey, S. S., Agoston, T. A., Herfkens, R. J.
2002; 178 (5): 1227-1232
- **Measurement of vessel wall strain using cine phase contrast MRI** *9th Annual Meeting of the ISMRM*
Wedding, K. L., Draney, M. T., Herfkens, R. J., Zarins, C. K., Taylor, C. A., Pelc, N. J.
JOHN WILEY & SONS INC.2002: 418–28
- **In vivo quantification of blood flow and wall shear stress in the human abdominal aorta during lower limb exercise** *ANNALS OF BIOMEDICAL ENGINEERING*
Taylor, C. A., Cheng, C. P., Espinosa, L. A., Tang, B. T., Parker, D., Herfkens, R. J.
2002; 30 (3): 402-408
- **Magnetic resonance imaging for the evaluation of hydronephrosis, reflux and renal scarring in children** *JOURNAL OF UROLOGY*
Rodriguez, L. V., Spielman, D., Herfkens, R. J., Shortliffe, L. D.
2001; 166 (3): 1023-1027
- **Freehand iMRI-guided large-gauge core needle biopsy: A new minimally invasive technique for diagnosis of enhancing breast lesions** *7th Annual Meeting of the International-Society-for-Magnetic-Resonance-in-Medicine (ISMRM)*
Daniel, B. L., Birdwell, R. L., Butts, K., Nowels, K. W., Ikeda, D. M., Heiss, S. G., Cooper, C. R., Jeffrey, S. S., Dirbas, F. M., Herfkens, R. J.
JOHN WILEY & SONS INC.2001: 896–902
- **Dynamic MR imaging and stress testing in glenohumeral instability: Comparison with normal shoulders and clinical/surgical findings** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
Hodge, D. K., Beaulieu, C. F., Thabit, G. H., Gold, G. E., Bergman, A. G., Butts, R. K., Dillingham, M. F., Herfkens, R. J.
2001; 13 (5): 748-756
- **Intensity-modulated parametric mapping for simultaneous display of rapid dynamic and high-spatial-resolution breast MR imaging data** *RADIOGRAPHICS*
Agoston, A. T., Daniel, B. L., Herfkens, R. J., Ikeda, D. M., Birdwell, R. L., Heiss, S. G., Sawyer-Glover, A. M.
2001; 21 (1): 217-226
- **Phase-contrast cine MR angiography detection of thoracic aortic dissection** *INTERNATIONAL JOURNAL OF CARDIAC IMAGING*
Silverman, J. M., Raissi, S., Tyszka, J. M., Trento, A., Herfkens, R. J.
2000; 16 (6): 461-470
- **Partial fat-saturated contrast-enhanced three-dimensional MR angiography compared with non-fat-saturated and conventional fat-saturated MR angiography** *RADIOLOGY*
Hilfiker, P. R., Herfkens, R. J., Heiss, S. G., Alley, M. T., Fleischmann, D., Pelc, N. J.
2000; 216 (1): 298-303
- **Single-shot fluid attenuated inversion recovery (FLAIR) magnetic resonance imaging of the bladder** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
Daniel, B. L., Shimakawa, A., Blum, M. R., Herfkens, R. J.
2000; 11 (6): 673-677
- **Dynamic breast MRI with spiral trajectories: 3D versus 2D** *JOURNAL OF MAGNETIC RESONANCE IMAGING*

- Yen, Y. F., Han, K. F., Daniel, B. L., Heiss, S., Birdwell, R. L., Herfkens, R. J., Sawyer-Glover, A. M., Glover, G. H.
2000; 11 (4): 351-359
- **Three-dimensional cardiac cine magnetic resonance imaging with an ultrasmall superparamagnetic iron oxide blood pool agent (NC100150)** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
Amano, Y., Herfkens, R. J., Shifrin, R. Y., Alley, M. T., Pelc, N. J.
2000; 11 (2): 81-86
 - **Characterization of breast lesion morphology with delayed 3DSSMT: An adjunct to dynamic breast MRI** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
Leong, C. S., Daniel, B. L., Herfkens, R. J., Birdwell, R. L., Jeffrey, S. S., Ikeda, D. M., Sawyer-Glover, A. M., Glover, G. H.
2000; 11 (2): 87-96
 - **Silicone breast implant rupture: Pitfalls of magnetic resonance imaging and relative efficacies of magnetic resonance, mammography, and ultrasound** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Ikeda, D. M., Borofsky, H. B., Herfkens, R. J., Sawyer-Glover, A. M., Birdwell, R. L., Glover, G. H.
1999; 104 (7): 2054-2062
 - **Glenohumeral relationships during physiologic shoulder motion and stress testing: Initial experience with open MR imaging and active imaging-plane registration** *RADIOLOGY*
Beaulieu, C. F., Hodge, D. K., Bergman, A. G., Butts, K., Daniel, B. L., Napper, C. L., Darrow, R. D., Dumoulin, C. L., Herfkens, R. J.
1999; 212 (3): 699-705
 - **A multisite Phase III study of the safety and efficacy of a new manganese chloride-based gastrointestinal contrast agent for MRI of the abdomen and pelvis** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
Small, W. C., DeSimone-Macchi, D., Parker, J. R., Sukerkar, A., Hahn, P. F., Rubin, D. L., Zelch, J. V., Kuhlman, J. E., Outwater, E. K., Weinreb, J. C., Brown, J. J., De Lange, E. E., Woodward, et al
1999; 10 (1): 15-24
 - **Fast 3D cardiac cine MR imaging** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
Alley, M. T., Napel, S., Amano, Y., Paik, D. S., Shifrin, R. Y., Shimakawa, A., Pelc, N. J., Herfkens, R. J.
1999; 9 (5): 751-755
 - **1999 Gary J. Becker Young Investigator Award. MR-guided transjugular portosystemic shunt placement in a swine model.** *Journal of vascular and interventional radiology*
Kee, S. T., Rhee, J. S., Butts, K., Daniel, B., Pauly, J., Kerr, A., O'Sullivan, G. J., Sze, D. Y., Razavi, M. K., Semba, C. P., Herfkens, R. J., Dake, M. D.
1999; 10 (5): 529-535
 - **Transplantation of adult-sized kidneys into infants induces major blood flow changes** *XVIIth World Congress of the Transplantation-Society*
Salvatierra, O., Singh, T., Shifrin, R., Conley, S., Alexander, S., Tanney, D., Lemley, K., Sarwal, M., Mackle, F., Alfrey, E., Orlandi, P., Zarins, C., Herfkens, et al
ELSEVIER SCIENCE INC.1999: 236-37
 - **Breast disease: Dynamic spiral MR imaging** *82nd Scientific Assembly and Annual Meeting of the Radiological-Society-of-North-America*
Daniel, B. L., Yen, Y. F., Glover, G. H., Ikeda, D. M., Birdwell, R. L., Sawyer-Glover, A. M., Black, J. W., Plevritis, S. K., Jeffrey, S. S., Herfkens, R. J.
RADIOLOGICAL SOC NORTH AMERICA.1998: 499-509
 - **Successful transplantation of adult-sized kidneys into infants requires maintenance of high aortic blood flow** *TRANSPLANTATION*
Salvatierra, O., Singh, T., Shifrin, R., Conley, S., Alexander, S., Tanney, D., Lemley, K., Sarwal, M., Mackie, F., Alfrey, E., Orlandi, P., Zarins, C., Herfkens, et al
1998; 66 (7): 819-823
 - **Magnetic resonance imaging for the evaluation of hydronephrosis, reflux, and renal scarring in children.**
Rodriguez, L. V., Spielman, D., Herfkens, R. J., Shortliffe, L. M.
AMER ACAD PEDIATRICS.1998: 874-75
 - **The International Society for Magnetic Resonance in Medicine. Research directions in MR imaging.** *Radiology*
Glover, G. H., Herfkens, R. J.
1998; 207 (2): 289-295
 - **Breast lesion localization: A freehand, interactive MR imaging-guided technique** *RADIOLOGY*
Daniel, B. L., Birdwell, R. L., Ikeda, D. M., Jeffrey, S. S., Black, J. W., Block, W. F., Sawyer-Glover, A. M., Glover, G. H., Herfkens, R. J.
1998; 207 (2): 455-463

- **Anterior cruciate ligament injury: Fast spin-echo MR imaging with arthroscopic correlation in 217 examinations** *AMERICAN JOURNAL OF ROENTGENOLOGY*
Ha, T. P., Li, K. C., Beaulieu, C. F., Bergman, G., Ch'en, I. Y., Eller, D. J., Cheung, L. P., Herfkens, R. J.
1998; 170 (5): 1215-1219
- **Breast cancer: Gadolinium-enhanced MR imaging with a 0.5-T open imager and three-point Dixon technique** *RADIOLOGY*
Daniel, B. L., Butts, K., Glover, G. H., Cooper, C., Herfkens, R. J.
1998; 207 (1): 183-190
- **Ultrafast contrast-enhanced three-dimensional MR angiography: State of the art** *83rd Scientific Assembly and Annual Meeting of the Radiological-Society-of-North-America*
Alley, M. T., Shifrin, R. Y., Pelc, N. J., Herfkens, R. J.
RADIOLOGICAL SOC NORTH AMERICA.1998: 273-85
- **Three-dimensional shaded-surface rendering of MR images of the breast: technique, applications, and impact on surgical management of breast disease.** *Radiographics*
Daniel, B. L., Jeffrey, S. S., Birdwell, R. L., Ikeda, D. M., Sawyer-Glover, A. M., Herfkens, R. J.
1998; 18 (2): 483-496
- **Interactive MR-guided, 14-gauge core-needle biopsy of enhancing lesions in a breast phantom model** *ACADEMIC RADIOLOGY*
Daniel, B. L., Birdwell, R. L., Black, J. W., Ikeda, D. M., Glover, G. H., Herfkens, R. J.
1997; 4 (7): 508-512
- **Analysis of cardiac function by MRI and stereology** *JOURNAL OF MICROSCOPY*
Roberts, N., CRUZORIVE, L. M., Bourne, M., Herfkens, R. J., Karwoski, R. A., Whitehouse, G. H.
1997; 187: 31-42
- **Meniscal tears of the knee: Accuracy of detection with fast spin-echo MR imaging and arthroscopic correlation in 293 patients** *RADIOLOGY*
Cheung, L. P., Li, K. C., HOLLETT, M. D., Bergman, A. G., Herfkens, R. J.
1997; 203 (2): 508-512
- **GADOTERIDOL-ENHANCED MR-IMAGING OF MALIGNANT HEPATIC-TUMORS - EFFECTS OF TRIPLE VERSUS STANDARD DOSES ON LESION-LIVER CONTRAST** *AMERICAN JOURNAL OF ROENTGENOLOGY*
Petersein, J., Saini, S., Mitchell, D. G., Davis, P. L., Johnson, C. D., Kuhlman, J. E., Parisky, Y. R., Runge, V. M., Weinreb, J., Bernardino, M. E., Delange, E. E., Gorczyca, D., Herfkens, et al
1995; 165 (5): 1157-1161
- **MR SPECTROSCOPIC IMAGING OF COLLAGEN - TENDONS AND KNEE MENISCI** *MAGNETIC RESONANCE IN MEDICINE*
Gold, G. E., Pauly, J. M., Macovski, A., Herfkens, R. J.
1995; 34 (5): 647-654
- **PORTAL-VEIN PATENCY IN CANDIDATES FOR LIVER-TRANSPLANTATION - MR ANGIOGRAPHIC ANALYSIS** *RADIOLOGY*
Silverman, J. M., Podesta, L., Villamil, F., Sher, L., Vierling, J., Rojter, S., Hoffman, A., Lopez, R., Rosenthal, P., WOOLF, G., Memsic, L., Herfkens, R., PETROVICH, et al
1995; 197 (1): 147-152
- **VASCULAR MAGNETIC-RESONANCE-IMAGING** *Conference on Developing a Long-Term Plan for Imaging Research*
Herfkens, R. J.
ASSOC UNIV RADIOLOGISTS.1995: S131-S132
- **CINE SPIRAL IMAGING** *MAGNETIC RESONANCE IN MEDICINE*
Liao, J. R., Sommer, F. G., Herfkens, R. J., Pelc, N. J.
1995; 34 (3): 490-493
- **TRACKING OF CYCLIC MOTION WITH PHASE-CONTRAST CINE MR VELOCITY DATA** *JMRI-JOURNAL OF MAGNETIC RESONANCE IMAGING*
Pelc, N. J., Drangova, M., Pelc, L. R., Zhu, Y., Noll, D. C., BOWMAN, B. S., Herfkens, R. J.
1995; 5 (3): 339-345
- **SIMULTANEOUS TEMPORAL RESOLUTION OF CARDIAC AND RESPIRATORY MOTION IN MR-IMAGING** *RADIOLOGY*
Fredrickson, J. O., WEGMULLER, H., Herfkens, R. J., Pelc, N. J.

- 1995; 195 (1): 169-175
- **PHASE-CONTRAST MRI ASSESSMENT OF PEDAL BLOOD-FLOW** *EUROPEAN RADIOLOGY*
Debatin, J. F., Dalman, R., Herfkens, R. J., Harris, E. J., Pelc, N. J.
1995; 5 (1): 36-42
 - **EVALUATION OF MYOCARDIAL MOTION TRACKING WITH CINE-PHASE CONTRAST MAGNETIC-RESONANCE-IMAGING** *INVESTIGATIVE RADIOLOGY*
Pelc, L. R., Sayre, J., Yun, K., Castro, L. J., Herfkens, R. J., Miller, D. C., Pelc, N. J.
1994; 29 (12): 1038-1042
 - **MAGNETIC-RESONANCE-IMAGING EVALUATION OF PULMONARY VASCULAR MALFORMATIONS** *CHEST*
Silverman, J. M., JULIEN, P. J., Herfkens, R. J., Pelc, N. J.
1994; 106 (5): 1333-1338
 - **Magnetic resonance imaging in adult congenital heart disease.** *Journal of thoracic imaging*
Wexler, L., Higgins, C. B., Herfkens, R. J.
1994; 9 (4): 219-229
 - **HEPATIC METASTASES AND CAVERNOUS HEMANGIOMAS - DISTINCTION WITH STANDARD-DOSE AND TRIPLE-DOSE GADOTERIDOL-ENHANCED MR-IMAGING** *RADIOLOGY*
Mitchell, D. G., Saini, S., Weinreb, J., Delange, E. E., Runge, V. M., Kuhlman, J. E., Parisky, Y., Johnson, C. D., Brown, J. J., Schnall, M., Herfkens, R. J., Davis, P. L., Gorczyca, et al
1994; 193 (1): 49-57
 - **QUANTITATIVE MAGNETIC-RESONANCE FLOW IMAGING** *MAGNETIC RESONANCE QUARTERLY*
Pelc, N. J., Sommer, F. G., Li, K. C., Brosnan, T. J., Herfkens, R. J., Enzmann, D. R.
1994; 10 (3): 125-147
 - **ULTRAFAST CONTRAST-ENHANCED MAGNETIC-RESONANCE-IMAGING OF CONGENITAL HYDRONEPHROSIS IN A RAT MODEL** *Annual Meeting of the Section on Urology of the American-Academy-of-Pediatrics*
Fichtner, J., Spielman, D., Herfkens, R., BOINEAU, F. G., Lewy, J. E., Shortliffe, L. M.
WILLIAMS & WILKINS.1994: 682-87
 - **SINGLE BREATH-HOLD PULMONARY MAGNETIC-RESONANCE ANGIOGRAPHY - OPTIMIZATION AND COMPARISON OF 3 IMAGING STRATEGIES** *INVESTIGATIVE RADIOLOGY*
Rubin, G. D., Herfkens, R. J., Pelc, N. J., Foo, T. K., Napel, S., Shimakawa, A., Steiner, R. M., Bergin, C. J.
1994; 29 (8): 766-772
 - **Magnetic resonance.** *Radiology*
Ehman, R. L., ANDERSON, M. W., Crues, J. V., Herfkens, R. J., Hricak, H., Lenkinski, R. E., Lomas, D. J., Mitchell, D. G., Riederer, S. J., Ross, J. R.
1994; 190 (3): 938-944
 - **MAGNETIC-RESONANCE-IMAGING AND MEASUREMENT OF BLOOD-FLOW** *WESTERN JOURNAL OF MEDICINE*
McDonnell, C. H., Herfkens, R. J., Norbash, A. M., Rubin, G. D.
1994; 160 (3): 237-242
 - **RENAL-ARTERY BLOOD-FLOW - QUANTITATION WITH PHASE-CONTRAST MR-IMAGING WITH AND WITHOUT BREATH-HOLDING** *RADIOLOGY*
Debatin, J. F., Ting, R. H., WEGMULLER, H., Sommer, F. G., Fredrickson, J. O., Brosnan, T. J., BOWMAN, B. S., Myers, B. D., Herfkens, R. J., Pelc, N. J.
1994; 190 (2): 371-378
 - **QUANTITATIVE DIFFERENTIAL PULMONARY PERFUSION - MR-IMAGING VERSUS RADIONUCLIDE LUNG-SCANNING** *1992 ANNUAL SCIENTIFIC ASSEMBLY OF THE RADIOLOGICAL-SOC-OF-NORTH-AMERICA*
Silverman, J. M., JULIEN, P. J., Herfkens, R. J., Pelc, N. J.
RADIOLOGICAL SOC NORTH AMERICA.1993: 699-701
 - **DYNAMIC BREATH-HOLD MULTIPLANAR SPOILED GRADIENT-RECALLED MR-IMAGING WITH GADOLINIUM ENHANCEMENT FOR DIFFERENTIATING HEPATIC HEMANGIOMAS FROM MALIGNANCIES AT 1.5-T** *1992 ANNUAL SCIENTIFIC ASSEMBLY OF THE RADIOLOGICAL-SOC-OF-NORTH-AMERICA*
Whitney, W. S., Herfkens, R. J., Jeffrey, R. B., McDonnell, C. H., Li, K. C., VANDALSEM, W. J., Low, R. N., Francis, I. R., DABATIN, J. F., Glazer, G. M.

RADIOLOGICAL SOC NORTH AMERICA.1993: 863-70

- **DETERMINING THE VOLUME OF PROSTATIC-CARCINOMA - VALUE OF MR-IMAGING WITH AN EXTERNAL-ARRAY COIL** *AMERICAN JOURNAL OF ROENTGENOLOGY*
Sommer, F. G., Nghiem, H. V., Herfkens, R., McNeal, J., Low, R. N.
1993; 161 (1): 81-86
- **FAST MULTIPLANAR SPOILED GRADIENT-RECALLED IMAGING OF THE LIVER - PULSE SEQUENCE OPTIMIZATION AND COMPARISON WITH SPIN-ECHO MR IMAGING** *AMERICAN JOURNAL OF ROENTGENOLOGY*
Low, R. N., Francis, I. R., Herfkens, R. J., Jeffrey, R. B., Glazer, G. M., Foo, T. K., Shimakawa, A., Pelc, N. J.
1993; 160 (3): 501-509
- **CHARACTERIZATION OF ATHEROSCLEROSIS WITH A 1.5-T IMAGING-SYSTEM** *JMRI-JOURNAL OF MAGNETIC RESONANCE IMAGING*
Gold, G. E., Pauly, J. M., Glover, G. H., Moretto, J. C., Macovski, A., Herfkens, R. J.
1993; 3 (2): 399-407
- **GADOLINIUM-ENHANCED MRI OF THE ABNORMAL PROSTATE** *MAGNETIC RESONANCE IMAGING*
Sommer, F. G., Nghiem, H. V., Herfkens, R., McNeal, J.
1993; 11 (7): 941-948
- **ARTERIAL AND VENOUS-BLOOD FLOW - NONINVASIVE QUANTITATION WITH MR IMAGING** *RADIOLOGY*
Pelc, L. R., Pelc, N. J., Rayhill, S. C., Castro, L. J., Glover, G. H., Herfkens, R. J., Miller, D. C., Jeffrey, R. B.
1992; 185 (3): 809-812
- **THE PELVIS - T2-WEIGHTED FAST SPIN-ECHO MR-IMAGING** *RADIOLOGY*
Nghiem, H. V., Herfkens, R. J., Francis, I. R., Sommer, F. G., Jeffrey, R. B., Li, K. C., Steiner, R. M., Glover, G. H.
1992; 185 (1): 213-217
- **A METHOD FOR THE PREPARATION OF METHEMOGLOBIN-CONTAINING HUMAN RED-CELL SUSPENSIONS** *CLINICAL AND LABORATORY HAEMATOLOGY*
KOEPEKE, J. R., Koepke, J. A., Boyko, O., Herfkens, R. J.
1992; 14 (1): 69-72
- **Phase contrast cine magnetic resonance imaging.** *Magnetic resonance quarterly*
Pelc, N. J., Herfkens, R. J., Shimakawa, A., Enzmann, D. R.
1991; 7 (4): 229-254
- **EVALUATION OF ACUTE-RENAL-FAILURE WITH MAGNETIC-RESONANCE-IMAGING USING GRADIENT-ECHO AND GD-DTPA** *INVESTIGATIVE RADIOLOGY*
Munehika, H., SULLIVAN, D. C., Hedlund, L. W., Beam, C. A., Sostman, H. D., Herfkens, R. J., Pelc, N. J.
1991; 26 (1): 22-27
- **INTERVERTEBRAL-DISK - NORMAL AGE-RELATED-CHANGES IN MR SIGNAL INTENSITY** *RADIOLOGY*
Modic, M. T., Herfkens, R. J.
1990; 177 (2): 332-333
- **NMR assessment of valvular disease.** *La Radiologia medica*
Herfkens, R. J.
1990; 80 (1-2): 111-117
- **DETECTION, CHARACTERIZATION AND FUNCTIONAL ASSESSMENT OF REPERFUSED Q-WAVE ACUTE MYOCARDIAL-INFARCTION BY CINE MAGNETIC-RESONANCE-IMAGING** *AMERICAN JOURNAL OF RADIOLOGY*
Meese, R. B., Spritzer, C. E., NEGROVILAR, R., Bashore, T., Herfkens, R. J.
1990; 66 (1): 1-9
- **HEPATIC HEMANGIOMAS VS METASTASES - MR DIFFERENTIATION AT 1.5-T** *AMERICAN JOURNAL OF ROENTGENOLOGY*
LOMBARDO, D. M., Baker, M. E., Spritzer, C. E., Blinder, R., Meyers, W., Herfkens, R. J.
1990; 155 (1): 55-59
- **BRAIN T1 MEASURED BY MAGNETIC-RESONANCE-IMAGING IN BULIMIA** *BIOLOGICAL PSYCHIATRY*
HOFFMAN, G. W., Ellinwood, E. H., ROCKWELL, W. J., Herfkens, R. J., NISHITA, J. K., GUTHRIE, L. F.

1990; 27 (1): 116-119

- **MR-TUTOR - A PROGRAM FOR TEACHING THE INTERDEPENDENCE OF FACTORS WHICH INFLUENCE SIGNAL INTENSITY IN MAGNETIC-RESONANCE IMAGING** *COMPUTERIZED MEDICAL IMAGING AND GRAPHICS*
POSTERARO, R. H., Blinder, R. A., Herfkens, R. J.
1989; 13 (5): 393-406
- **HETEROGENEOUS SIGNAL INTENSITY IN MAGNETIC-RESONANCE IMAGES OF HYPERTROPHIED LEFT-VENTRICULAR MYOCARDIUM** *MAGNETIC RESONANCE IMAGING*
Zahler, R., Chelmow, D., Gore, J., Wilkens, K., Pope, C., Sostman, H. D., MEESE, R., NEGROVILAR, R., Herfkens, R. J., Wackers, F. J., Zaret, B. L.
1989; 7 (5): 517-528
- **MR EVALUATION OF ADRENAL MASSES AT 1.5-T** *AMERICAN JOURNAL OF ROENTGENOLOGY*
Baker, M. E., Blinder, R., SPRITZER, C., Leight, G. S., Herfkens, R. J., Dunnick, N. R.
1989; 153 (2): 307-312
- **HERNIATION PITS OF THE FEMORAL-NECK - APPEARANCE AT MR IMAGING** *RADIOLOGY*
NOKES, S. R., Vogler, J. B., Spritzer, C. E., Martinez, S., Herfkens, R. J.
1989; 172 (1): 231-234
- **CEREBRAL ATROPHY IN ANOREXIA-NERVOSA - A PILOT-STUDY** *BIOLOGICAL PSYCHIATRY*
HOFFMAN, G. W., Ellinwood, E. H., ROCKWELL, W. J., Herfkens, R. J., NISHITA, J. K., GUTHRIE, L. F.
1989; 26 (3): 321-324
- **CEREBRAL ATROPHY IN BULIMIA** *BIOLOGICAL PSYCHIATRY*
HOFFMAN, G. W., Ellinwood, E. H., ROCKWELL, W. J., Herfkens, R. J., NISHITA, J. K., GUTHRIE, L. F.
1989; 25 (7): 894-902
- **FLUID SHEAR AND SPIN-ECHO IMAGES** *MAGNETIC RESONANCE IN MEDICINE*
Kuethel, D. O., Herfkens, R. J.
1989; 10 (1): 57-70
- **EVALUATION OF FLOW THROUGH SIMULATED VASCULAR STENOSES WITH GRADIENT ECHO MAGNETIC-RESONANCE IMAGING** *INVESTIGATIVE RADIOLOGY*
PODOLAK, M. J., Hedlund, L. W., Evans, A. J., Herfkens, R. J.
1989; 24 (3): 184-189
- **CINE GRADIENT-REFOCUSED MR IMAGING OF CENTRAL PULMONARY EMBOLI** *AMERICAN JOURNAL OF ROENTGENOLOGY*
POSTERARO, R. H., Sostman, H. D., Spritzer, C. E., Herfkens, R. J.
1989; 152 (3): 465-468
- **CHEMICAL-SHIFT IMAGING OF ATHEROSCLEROSIS AT 7.0-TESLA** *INVESTIGATIVE RADIOLOGY*
Maynor, C. H., Charles, H. C., Herfkens, R. J., Suddarth, S. A., Johnson, G. A.
1989; 24 (1): 52-60
- **VASCULAR MORPHOLOGY BY 3-DIMENSIONAL MAGNETIC-RESONANCE IMAGING** *MAGNETIC RESONANCE IMAGING*
Cline, H. E., Lorensen, W. E., Herfkens, R. J., Johnson, G. A., Glover, G. H.
1989; 7 (1): 45-54
- **FAST LIMITED FLIP ANGLE MR SUBTRACTION ANGIOGRAPHY** *MAGNETIC RESONANCE IN MEDICINE*
Tasciyan, T. A., Lee, J. N., Riederer, S. J., DECASTRO, J. B., Hedlund, L. W., Herfkens, R. J., Spritzer, C. E.
1988; 8 (3): 261-274
- **HEPATIC ADENOMA - MR APPEARANCE MIMICKING FOCAL NODULAR HYPERPLASIA** *JOURNAL OF COMPUTER ASSISTED TOMOGRAPHY*
NOKES, S. R., Baker, M. E., Spritzer, C. E., Meyers, W., Herfkens, R. J.
1988; 12 (5): 885-887
- **EFFECT OF MAGNETIC-RESONANCE IMAGING ON XENOPUS-LAEVIS EMBRYOGENESIS** *MAGNETIC RESONANCE IMAGING*
Kay, H. H., Herfkens, R. J., Kay, B. K.
1988; 6 (5): 501-506

- **MR FLUOROSCOPY - TECHNICAL FEASIBILITY** *MAGNETIC RESONANCE IN MEDICINE*
Riederer, S. J., Tasciyan, T., Farzaneh, F., Lee, J. N., Wright, R. C., Herfkens, R. J.
1988; 8 (1): 1-15
- **A CARDIAC PHANTOM AND PULSATILE FLOW PUMP FOR MAGNETIC-RESONANCE IMAGING STUDIES** *INVESTIGATIVE RADIOLOGY*
Evans, A. J., Hedlund, L. W., Herfkens, R. J.
1988; 23 (8): 579-583
- **VALVULAR REGURGITATION - DYNAMIC MR IMAGING** *RADIOLOGY*
UTZ, J. A., Herfkens, R. J., HEINSIMER, J. A., Shimakawa, A., Glover, G., Pelc, N.
1988; 168 (1): 91-94
- **EFFECTS OF TURBULENCE ON SIGNAL INTENSITY IN GRADIENT ECHO IMAGES** *INVESTIGATIVE RADIOLOGY*
Evans, A. J., Blinder, R. A., Herfkens, R. J., Spritzer, C. E., Kuethe, D. O., Fram, E. K., Hedlund, L. W.
1988; 23 (7): 512-518
- **EFFECTS OF ECT ON BRAIN STRUCTURE - A PILOT PROSPECTIVE MAGNETIC-RESONANCE IMAGING STUDY** *AMERICAN JOURNAL OF PSYCHIATRY*
Coffey, C. E., Figiel, G. S., DJANG, W. T., SULLIVAN, D. C., Herfkens, R. J., Weiner, R. D.
1988; 145 (6): 701-706
- **EFFICIENT PULSE SEQUENCE FOR MULTISECTION DUAL REPETITION TIME MR IMAGE ACQUISITION** *RADIOLOGY*
Farzaneh, F., Riederer, S. J., DJANG, W. T., Curnes, J. T., Herfkens, R. J.
1988; 167 (2): 541-546
- **MR IMAGING OF THE KNEE - PRELIMINARY-RESULTS WITH A 3DFT GRASS PULSE SEQUENCE** *AMERICAN JOURNAL OF ROENTGENOLOGY*
Spritzer, C. E., Vogler, J. B., Martinez, S., Garrett, W. E., Johnson, G. A., McNamara, M. J., Lohnes, J., Herfkens, R. J.
1988; 150 (3): 597-603
- **MR SUBTRACTION ANGIOGRAPHY WITH A MATCHED-FILTER** *JOURNAL OF COMPUTER ASSISTED TOMOGRAPHY*
DECASTRO, J. B., Tasciyan, T. A., Lee, J. N., Farzaneh, F., Riederer, S. J., Herfkens, R. J.
1988; 12 (2): 355-362
- **DEEP VENOUS THROMBOSIS EVALUATION WITH LIMITED-FLIP-ANGLE, GRADIENT-REFOCUSED MR IMAGING - PRELIMINARY EXPERIENCE** *RADIOLOGY*
Spritzer, C. E., Sussman, S. K., Blinder, R. A., Saeed, M., Herfkens, R. J.
1988; 166 (2): 371-375
- **Magnetic resonance imaging of the heart.** *Magnetic resonance annual*
Spritzer, C. E., Herfkens, R. J.
1988: 217-244
- **ALTERED PHOSPHATE-METABOLISM IN MYOCARDIAL-INFARCTION - P-31 MR SPECTROSCOPY** *RADIOLOGY*
Bottomley, P. A., Herfkens, R. J., Smith, L. S., Bashore, T. M.
1987; 165 (3): 703-707
- **MAGNETIC-RESONANCE-IMAGING IN MULTIPLE-SCLEROSIS - DECREASED SIGNAL IN THALAMUS AND PUTAMEN** *ANNALS OF NEUROLOGY*
Drayer, B. P., Burger, P., Hurwitz, B., Dawson, D., Cain, J., Leong, J., Herfkens, R., Johnson, G. A.
1987; 22 (4): 546-550
- **MR IMAGING WITH SURFACE COILS IN PRIMARY HYPERPARATHYROIDISM** *JOURNAL OF COMPUTER ASSISTED TOMOGRAPHY*
Kier, R., Blinder, R. A., Herfkens, R. J., Leight, G. S., Spritzer, C. E., Carroll, B. A.
1987; 11 (5): 863-868
- **THE FATE OF INORGANIC-PHOSPHATE AND PH IN REGIONAL MYOCARDIAL-ISCHEMIA AND INFARCTION - A NONINVASIVE P-31 NMR-STUDY** *MAGNETIC RESONANCE IN MEDICINE*
Bottomley, P. A., Smith, L. S., BRAZZAMANO, S., Hedlund, L. W., REDINGTON, R. W., Herfkens, R. J.
1987; 5 (2): 129-142

- **BENIGN ADRENAL LESIONS MIMICKING MALIGNANCY ON MR IMAGING - REPORT OF 2 CASES** *RADIOLOGY*
Baker, M. E., SPRITZER, C., Blinder, R., Herfkens, R. J., Leight, G. S., Dunnick, N. R.
1987; 163 (3): 669-671
- **WORK IN PROGRESS - INVITRO ANALYSIS OF PLEURAL FLUID ANALOGS BY PROTON MAGNETIC-RESONANCE - PRELIMINARY STUDIES AT 1.5T** *INVESTIGATIVE RADIOLOGY*
Vock, P., Hedlund, L. W., Herfkens, R. J., Effmann, E. L., Brown, M. A., Putman, C. E.
1987; 22 (5): 382-387
- **CINE MR DETERMINATION OF LEFT-VENTRICULAR EJECTION FRACTION** *AMERICAN JOURNAL OF ROENTGENOLOGY*
UTZ, J. A., Herfkens, R. J., HEINSIMER, J. A., Bashore, T., Califf, R., Glover, G., Pelc, N., Shimakawa, A.
1987; 148 (5): 839-843
- **2-SECOND MR IMAGES - COMPARISON WITH SPIN-ECHO IMAGES IN 29 PATIENTS** *AMERICAN JOURNAL OF ROENTGENOLOGY*
UTZ, J. A., Herfkens, R. J., Johnson, C. D., Shimakawa, A., Pelc, N., Glover, G., Johnson, G. A., Spritzer, C. E.
1987; 148 (3): 629-633
- **EVALUATION OF STEADY AND PULSATILE FLOW WITH DYNAMIC MRI USING LIMITED FLIP ANGLES AND GRADIENT REFOCUSED ECHOES** *MAGNETIC RESONANCE IMAGING*
Evans, A. J., Hedlund, L. W., Herfkens, R. J., UTZ, J. A., Fram, E. K., Blinder, R. A.
1987; 5 (6): 475-482
- **OPTIMIZING ELECTROCARDIOGRAPH ELECTRODE PLACEMENT FOR CARDIAC-GATED MAGNETIC-RESONANCE-IMAGING** *INVESTIGATIVE RADIOLOGY*
Dimick, R. N., Hedlund, L. W., Herfkens, R. J., Fram, E. K., Utz, J.
1987; 22 (1): 17-22
- **RAPID CALCULATION OF T1 USING VARIABLE FLIP ANGLE GRADIENT REFOCUSED IMAGING** *MAGNETIC RESONANCE IMAGING*
Fram, E. K., Herfkens, R. J., Johnson, G. A., Glover, G. H., Karis, J. P., Shimakawa, A., PERKINS, T. G., Pelc, N. J.
1987; 5 (3): 201-208
- **MRI WITH SURFACE COILS FOR PARATHYROID TUMORS - PRELIMINARY INVESTIGATION** *AMERICAN JOURNAL OF ROENTGENOLOGY*
Kier, R., Herfkens, R. J., Blinder, R. A., Leight, G. S., UTZ, J. A., Silverman, P. M.
1986; 147 (3): 497-500
- **MRI OF BRAIN IRON** *AMERICAN JOURNAL OF ROENTGENOLOGY*
Drayer, B., Burger, P., Darwin, R., Riederer, S., Herfkens, R., Johnson, G. A.
1986; 147 (1): 103-110
- **PARKINSON PLUS SYNDROME - DIAGNOSIS USING HIGH-FIELD MR IMAGING OF BRAIN IRON** *RADIOLOGY*
Drayer, B. P., Olanow, W., Burger, P., Johnson, G. A., Herfkens, R., Riederer, S.
1986; 159 (2): 493-498
- **MAGNETIC-RESONANCE-IMAGING OF BRAIN IRON** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Drayer, B., Burger, P., Darwin, R., Riederer, S., Herfkens, R., Johnson, G. A.
1986; 7 (3): 373-380
- **A VENTILATOR FOR MAGNETIC-RESONANCE-IMAGING** *INVESTIGATIVE RADIOLOGY*
Hedlund, L. W., Deitz, J., Nassar, R., Herfkens, R., Vock, P., Dahlke, J., KUBEK, R., Effmann, E. L., Putman, C. E.
1986; 21 (1): 18-23
- **NONINVASIVE DETECTION AND MONITORING OF REGIONAL MYOCARDIAL-ISCHEMIA INSITU USING DEPTH-RESOLVED P-31 NMR-SPECTROSCOPY** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Bottomley, P. A., Herfkens, R. J., Smith, L. S., BRAZZAMANO, S., Blinder, R., Hedlund, L. W., Swain, J. L., REDINGTON, R. W.
1985; 82 (24): 8747-8751
- **Magnetic resonance imaging at high-strength magnetic fields.** *Magnetic resonance annual*
Herfkens, R. J., Johnson, G. A.
1985: 197-215

- **TIME COURSE AND MECHANISM OF ALTERATIONS IN PROTON RELAXATION DURING LIVER-REGENERATION IN THE RAT HEPATOLOGY**
Sostman, H. D., Gore, J. C., Flye, M. W., Johnson, G. A., Herfkens, R. J.
1985; 5 (4): 538-543
- **TISSUE RELAXATION-TIME - INVIVO FIELD-DEPENDENCE RADIOLOGY**
Johnson, G. A., Herfkens, R. J., Brown, M. A.
1985; 156 (3): 805-810
- **CARDIAC IMAGING USING GATED MAGNETIC-RESONANCE RADIOLOGY**
Lanzer, P., Botvinick, E. H., Schiller, N. B., Crooks, L. E., Arakawa, M., Kaufman, L., Davis, P. L., Herfkens, R., Lipton, M. J., Higgins, C. B.
1984; 150 (1): 121-127
- **MECHANISMS OF CONTRAST IN NMR IMAGING JOURNAL OF COMPUTER ASSISTED TOMOGRAPHY**
Wehrli, F. W., MacFall, J. R., SHUTTS, D., Breger, R., Herfkens, R. J.
1984; 8 (3): 369-380
- **CT-DETERMINED PULMONARY-ARTERY DIAMETERS IN PREDICTING PULMONARY-HYPERTENSION INVESTIGATIVE RADIOLOGY**
Kuriyama, K., Gamsu, G., Stern, R. G., Cann, C. E., Herfkens, R. J., Brundage, B. H.
1984; 19 (1): 16-22
- **Cardiovascular imaging with nuclear magnetic resonance. Cardiology clinics**
Higgins, C. B., Botvinick, E. H., Lanzer, P., Herfkens, R., Lipton, M. J., Crooks, L. E., Kaufman, L.
1983; 1 (3): 527-539
- **NUCLEAR MAGNETIC-RESONANCE IMAGING OF THE INFARCTED MUSCLE - A RAT MODEL RADIOLOGY**
Herfkens, R. J., Sievers, R., Kaufman, L., SHELDON, P. E., ORTENDAHL, D. A., Lipton, M. J., Crooks, L. E., Higgins, C. B.
1983; 147 (3): 761-764
- **THE POTENTIAL IMPACT OF NUCLEAR MAGNETIC-RESONANCE IMAGING ON CARDIOVASCULAR DIAGNOSIS CIRCULATION**
Kaufman, L., Crooks, L., Sheldon, P., Hricak, H., Herfkens, R., Bank, W.
1983; 67 (2): 251-257
- **NUCLEAR MAGNETIC-RESONANCE IMAGING OF ATHEROSCLEROTIC DISEASE RADIOLOGY**
Herfkens, R. J., Higgins, C. B., Hricak, H., Lipton, M. J., Crooks, L. E., SHELDON, P. E., Kaufman, L.
1983; 148 (1): 161-166
- **COMPUTERIZED-TOMOGRAPHY IN CHRONIC THROMBOEMBOLIC PULMONARY-HYPERTENSION AMERICAN HEART JOURNAL**
Kereiakes, D. J., Herfkens, R. J., Brundage, B. H., Gamsu, G., Lipton, M. J.
1983; 106 (6): 1432-1436
- **EVALUATION OF THE POST-CORONARY ARTERY BYPASS PATIENT BY MYOCARDIAL PERFUSION SCINTIGRAPHY AND COMPUTED-TOMOGRAPHY AMERICAN JOURNAL OF ROENTGENOLOGY**
ENGELSTAD, B. L., Wagner, S., Herfkens, R., Botvinick, E., BRUNDAGE, B., Lipton, M.
1983; 141 (3): 507-512
- **NUCLEAR MAGNETIC-RESONANCE IMAGING OF ACUTE MYOCARDIAL-INFARCTION IN DOGS - ALTERATIONS IN MAGNETIC-RELAXATION TIMES AMERICAN JOURNAL OF RADIOLOGY**
Higgins, C. B., Herfkens, R., Lipton, M. J., Sievers, R., Sheldon, P., Kaufman, L., Crooks, L. E.
1983; 52 (1): 184-188
- **NUCLEAR MAGNETIC-RESONANCE IMAGING OF THE CARDIOVASCULAR-SYSTEM - NORMAL AND PATHOLOGIC FINDINGS RADIOLOGY**
Herfkens, R. J., Higgins, C. B., Hricak, H., Lipton, M. J., Crooks, L. E., Lanzer, P., Botvinick, E., BRUNDAGE, B., SHELDON, P. E., Kaufman, L.
1983; 147 (3): 749-759
- **NON-INVASIVE DETECTION OF PROXIMAL PULMONARY-ARTERY THROMBOSIS BY TWO-DIMENSIONAL ECHOCARDIOGRAPHY AND COMPUTERIZED-TOMOGRAPHY AMERICAN HEART JOURNAL**
Dicarlo, L. A., Schiller, N. B., HERFKENS, R. L., Brundage, B. H., Lipton, M. J.
1982; 104 (4): 879-881

- **THE PHASE IMAGE - ITS RELATIONSHIP TO PATTERNS OF CONTRACTION AND CONDUCTION** *CIRCULATION*
Botvinick, E., Dunn, R., FRAIS, M., OCONNELL, W., SHOSA, D., Herfkens, R., Scheinman, M.
1982; 65 (3): 551-560
- **RESOLUTION AND CONTRAST RECOVERY AT DEPTH IN PLANAR NUCLEAR IMAGES** *PHYSICS IN MEDICINE AND BIOLOGY*
ORTENDAHL, D. A., SHOSA, D. W., Kaufman, L., Hattner, R., Herfkens, R., ROWAN, W.
1982; 27 (2): 257-275
- **MEASUREMENT OF CARDIAC-OUTPUT BY COMPUTED TRANSMISSION TOMOGRAPHY** *INVESTIGATIVE RADIOLOGY*
Herfkens, R. J., Axel, L., Lipton, M. J., Napel, S., BERNINGER, W., REDINGTON, R.
1982; 17 (6): 550-553
- **DETECTION OF INTRAVENTRICULAR THROMBI BY COMPUTED-TOMOGRAPHY** *RADIOLOGY*
Godwin, J. D., Herfkens, R. J., SKIOLDEBRAND, C. G., Brundage, B. H., Schiller, N. B., Lipton, M. J.
1981; 138 (3): 717-721
- **COMPUTED-TOMOGRAPHY FOR FOLLOW-UP OF CHRONIC AORTIC DISSECTIONS** *RADIOLOGY*
Godwin, J. D., Turley, K., Herfkens, R. J., Lipton, M. J.
1981; 139 (3): 655-660
- **NUCLEAR MAGNETIC-RESONANCE (NMR) IMAGING AT THE UNIVERSITY OF CALIFORNIA, SAN-FRANCISCO** *PROCEEDINGS OF THE SOCIETY OF PHOTO-OPTICAL INSTRUMENTATION ENGINEERS*
Crooks, L. E., Herfkens, R., Davis, P. L.
1981; 273: 11-15
- **EVALUATION OF COARCTATION OF THE AORTA BY COMPUTED-TOMOGRAPHY** *JOURNAL OF COMPUTER ASSISTED TOMOGRAPHY*
Godwin, J. D., Herfkens, R. J., Brundage, B. H., Lipton, M. J.
1981; 5 (2): 153-156
- **Nuclear magnetic resonance imaging.** *Progress in nuclear medicine*
Crooks, L., Herfkens, R., Kaufman, L., HOENNINGER, J., Arakawa, M., McRee, R., Watts, J.
1981; 7: 149-163
- **NUCLEAR MAGNETIC-RESONANCE IMAGING OF THE ABNORMAL LIVE RAT AND CORRELATIONS WITH TISSUE CHARACTERISTICS** *RADIOLOGY*
Herfkens, R., Davis, P., Crooks, L., Kaufman, L., Price, D., Miller, T., Margulis, A. R., Watts, J., HOENNINGER, J., Arakawa, M., McRee, R.
1981; 141 (1): 211-218
- **TECHNICAL ASPECTS AND CLINICAL-APPLICATIONS OF CT-X, A DYNAMIC CT SCANNER** *JOURNAL OF COMPUTER ASSISTED TOMOGRAPHY*
BERNINGER, W., REDINGTON, R., LEUE, W., Axel, L., Norman, D., BRUNDAGE, B., Carlsson, E., Herfkens, R., Lipton, M.
1981; 5 (2): 206-215
- **EVALUATION OF DISSECTIONS AND ANEURYSMS OF THE THORACIC AORTA BY CONVENTIONAL AND DYNAMIC CT SCANNING** *RADIOLOGY*
Godwin, J. D., HERFKENS, R. L., SKIOLDEBRAND, C. G., Federle, M. P., Lipton, M. J.
1980; 136 (1): 125-133
- **INVIVO IMAGING OF THE RAT ANATOMY WITH NUCLEAR MAGNETIC-RESONANCE** *RADIOLOGY*
Hansen, G., Crooks, L. E., Davis, P., DeGroot, J., Herfkens, R., Margulis, A. R., Gooding, C., Kaufman, L., HOENNINGER, J., Arakawa, M., McRee, R., Watts, J.
1980; 136 (3): 695-700
- **HIGH-RESOLUTION EMISSION COMPUTED-TOMOGRAPHY WITH A SMALL GERMANIUM CAMERA** *IEEE TRANSACTIONS ON NUCLEAR SCIENCE*
ORTENDAHL, D. A., Kaufman, L., ROWAN, W., Herfkens, R., Price, D. C.
1980; 27 (1): 459-462
- **DETECTION OF PATENT CORONARY-BYPASS GRAFTS BY COMPUTED-TOMOGRAPHY - A PRELIMINARY-REPORT** *CIRCULATION*
Brundage, B. H., Lipton, M. J., Herfkens, R. J., BERNINGER, W. H., REDINGTON, R. W., Chatterjee, K., Carlsson, E.
1980; 61 (4): 826-831

● **CONTRAST MEDIUM-ENHANCED COMPUTED-TOMOGRAPHY FOR EVALUATING ISCHEMIC HEART-DISEASE** *CARDIOVASCULAR MEDICINE*

Lipton, M. J., Brundage, B. H., DOHERTY, P. W., Herfkens, R., BERNINGER, W. H., REDINGTON, R. W., Chatterjee, K., Carlsson, E.
1979; 4 (12): 1219-?