




Lawrence "Rusty" Hofmann, MD

Professor of Radiology (Interventional Radiology)

 NIH Biosketch available Online

 Curriculum Vitae available Online

CLINICAL OFFICE (PRIMARY)

- **Interventional Radiology**

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ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

Mallorie Jones - Administrative/ Research Assistant

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Bio

BIO

Dr. Lawrence "Rusty" Hofmann is an actively practicing physician and Professor of Interventional Radiology at Stanford School of Medicine, as well as the Chief of Industry Partnerships for Stanford Healthcare, Medical Director of Cardiac and Interventional Services, and the Medical Director of Digital Health at Stanford Medicine. He served as Chief of Interventional Radiology at Stanford for nearly two decades. He is the Co-Founder of Grand Rounds, Inc, rebranded as Included Health. He has devoted his career to providing state-of-the-art care to patients at either Johns Hopkins, where he practiced for 10 years, or Stanford, where he practiced for 15 years. He has published over 100 scientific articles on minimally invasive treatment of blood clots (DVT) and cancer. He has always had an interest in innovation. He holds 2 patents, has worked as a consultant for numerous medical device companies, both start-ups and large companies and is currently the Global-Principal Investigator for the first clinical trial testing a venous stent. He has invented and brought a number of devices from napkin stage to world-wide use. He has active digital health research projects at the intersection of artificial intelligence and clinical care, including telemedicine and deep venous thrombosis.

CLINICAL FOCUS

- Interventional Radiology
- Acute Deep Venous Thrombosis
- Chronic Deep Venous Thrombosis
- Leg swelling
- Interventional Oncology
- Endovascular Procedures
- Peripheral Arterial Disease

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Radiology
- Faculty Affiliate, Institute for Human-Centered Artificial Intelligence (HAI)
- Member, Stanford Cancer Institute

ADMINISTRATIVE APPOINTMENTS

- Chief, Interventional Radiology, Stanford University School of Medicine, (2006- present)
- Medical Director, Digital Health Care Integration, Stanford Healthcare, (2018- present)
- Co-Medical Director; Cardiac and Interventional Radiology (Cath Angio), Stanford Hospital and Clinics, (2006- present)
- Co-Founder, Grand Rounds, Inc, (2012- present)

HONORS AND AWARDS

- ARRS/AUR/RSNA Award, Introduction to Research Program (1997)
- Certificate of Merit, Radiological Society of North America Annual Meeting (1997)
- Certificate of Merit, Radiological Society of North America Meeting (1998)
- Cum Laude Award, Radiological Society of North America Annual Meeting (1999)
- Featured Abstract(top 5%), In vivo Intravascular MR Imaging: Transvenous Technique for Arterial Wall Imaging. SIR Annual Mtg (2003)
- 3rd Place in Best Oral Presentation, International Society for Magnetic Resonance in Medicine (2003)
- Finalist, Melvin Judkins Young Investigator Award American Heart Association (co author) (2004)
- Resident Research Award, Department of Radiology, The Johns Hopkins Medical Institutions (Mentored: Robert P. Liddell) (2004)
- Finalist, Melvin Judkins Young Investigator Award American Heart Association (co author) (2005)
- Scholarship, The American Roentgen Ray Society Annual Scholarship (2005)
- Featured Abstract Featured Abstract top 5%), Hypoxia-Inducible Factor-1 for Therapeutic Angiogenesis. SIR Annual Meeting. New Orleans, LA (2005)
- Travel Award for Resident and Fellows, SIR Annual Mtg. Mentor for Tarak Patel (2005)
- Scholars Award, Stanford University Medical Scholars-Mentor for Luke Higgins, PhD (2007)
- Medical Research Grant, Society of Interventional Radiology Foundation-Mentor for Luke Higgins, PhD (2007)
- Top 5 Best Poster Award, American College of Chest Physicians Annual Mtg. (2007)
- Fellow/Resident Research Award, Radiological Society of North America/American Roentgen Ray Society-Mentor for Gloria Hwang, MD (2008)
- Resident/Fellow Research Award, Society of Interventional Radiology Foundation-Mentor for Maurice Van den Bosch (2008)
- Award, Stanford University Medical Scholars-Mentor for Keith Chan (2008)
- Resident Research Award, Cardiovascular and Interventional Radiological Society of Europe (2009)
- Scholars Award, Stanford University Medical Scholars-Mentor for Stephanie Carr (2009)
- Dr. Constantin Cope Medical Student Award, Society of IR Annual Scientific Mtg-Mentor for Stephanie Carr (2010)
- Early Career Achievement Award, The Ohio State University School of Medicine (First ever recipient) (2010)
- The Gary Becker Young Investigator Award, The Society of IR-Mentor for William T. Kuo, MD (2011)
- Fellow of the Society, The Society of Interventional Radiology (2011)
- Dr. Constantin Cope Medical Student Award, Society of IR Annual Scientific Mtg-Mentor for Keith Chan (2011)

PROFESSIONAL EDUCATION

- Board Certification: Interventional Radiology, American Board of Radiology (2022)
- Medical Education: The Ohio State University College of Medicine (1995) OH
- Residency: Johns Hopkins University Dept of Radiology (1999) MD
- Fellowship: Stanford University Radiology Fellowships (2000) CA
- B.S., University of Illinois , Biology (1991)
- M.D., The Ohio State University , Medicine (1995)

- Residency, The Johns Hopkins Hospital , Radiology (1999)
- Fellowship, Stanford University Medical Ctr. , Interventional Radiology (2000)

LINKS

- Division of Interventional Radiology: <http://ir.stanfordhospital.org/>
- Grand Rounds: <https://www.grandroundshealth.com>

Teaching

STANFORD ADVISEES

Med Scholar Project Advisor

J Swee

Publications

PUBLICATIONS

- **Common iliac vein stenosis: a risk factor for oral contraceptive-induced deep vein thrombosis** *36th Annual Scientific Meeting of the Society-of-Interventional-Radiology*
Chan, K. T., Tye, G. A., Popat, R. A., Kuo, W. T., Unver, K., Kothary, N., Sze, D. Y., Hofmann, L. V.
MOSBY-ELSEVIER.2011
- **In Vitro Design and Characterization of the Nonviral Gene Delivery Vector Iopamidol, Protamine, Ethiodized Oil Reagent** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
Higgins, L. J., Hwang, G. L., Rosenberg, J., Katzenberg, R. H., Kothary, N., Sze, D. Y., Hofmann, L. V.
2011; 22 (10): 1457-1463
- **Potent, tumor-specific gene expression in an orthotopic hepatoma rat model using a Survivin-targeted, amplifiable adenoviral vector** *GENE THERAPY*
Ahn, B., Ronald, J. A., Kim, Y. I., Katzenberg, R., Singh, A., Paulmurugan, R., Ray, S., Hofmann, L. V., Gambhir, S. S.
2011; 18 (6): 606-612
- **Common Iliac Vein Stenosis and Risk of Symptomatic Pulmonary Embolism: An Inverse Correlation** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
Chan, K. T., Popat, R. A., Sze, D. Y., Kuo, W. T., Kothary, N., Louie, J. D., Hovsepian, D. M., Hwang, G. L., Hofmann, L. V.
2011; 22 (2): 133-141
- **Post-Stent Vein Lumen Shape and Clinical Response in Patients Treated for Iliofemoral Venous Occlusive Disease.** *Vascular and endovascular surgery*
Gagne, P., Kuku, K. O., Mendes, R., Griggs, A., Segbefia, E., Hofmann, L. V., Comerota, A., Garcia-Garcia, H. M.
2025: 15385744251321900
- **Hospitalization prediction from the emergency department using computer vision AI with short patient video clips.** *NPJ digital medicine*
Ip, W., Xenochristou, M., Sui, E., Ruan, E., Ribeira, R., Dash, D., Srinivasan, M., Artandi, M., Omiye, J. A., Scoulios, N., Hofmann, H. L., Mottaghi, A., Weng, et al
2024; 7 (1): 371
- **Endovascular Management of Non-Cirrhotic Acute Portomesenteric Venous Thrombosis.** *Journal of vascular and interventional radiology : JVIR*
Lorenz, J., Kwak, D. H., Martin, L., Kesselman, A., Hofmann, L. V., Yu, Q., Youssef, S., Ciolek, P., Ahmed, O.
2024
- **Venous Compressive Disorders.** *Techniques in vascular and interventional radiology*
Young, V. A., Obi, C., Oladini, L. K., Josephs, S. C., Hofmann, L. V.
2024; 27 (2): 100964
- **Final 3-year study outcomes from the evaluation of the Zilver Vena Venous Stent for the treatment of symptomatic iliofemoral venous outflow obstruction (VIVO clinical study).** *Journal of vascular and interventional radiology : JVIR*

- Comerota, A. J., Gagne, P., Brown, J. A., Segbefia, E., Hofmann, L. V., VIVO Clinical Study Investigators
2024
- **Management of Lower Extremity Venous Outflow Obstruction: Results of an International Delphi Consensus.** *European journal of vascular and endovascular surgery : the official journal of the European Society for Vascular Surgery*
Black, S. A., Gohel, M., de Graaf, R., Gagne, P., Silver, M., Fleck, B., Hofmann, L. V., International Venous Delphi Consensus Study Group
2023
 - **12-month Endpoint Results from the Evaluation of the Zilver Vena Venous Stent in the Treatment of Symptomatic Iliofemoral Venous Outflow Obstruction (VIVO Clinical Study).** *Journal of vascular surgery. Venous and lymphatic disorders*
Hofmann, L. R., Gagne, P., Brown, J. A., Saunders, A., Comerota, A., VIVO Study Investigators
2023
 - **Current State of Private Practice and Academic IR: Differences in Practice Structure, Case Mix, and Productivity.** *Journal of the American College of Radiology : JACR*
Oladini, L., Ganesh, A., Rezaee, M., Dybul, S., Hawkins, C. M., Hofmann, L. V.
2022
 - **Antithrombotic Therapy After Venous Interventions: AJR Expert Panel Narrative Review.** *AJR. American journal of roentgenology*
Kishore, S., Khaja, M. S., Thornburg, B., Sharma, A. M., Knuttinen, M., Shamoun, F., Mantha, S., Desai, K. R., Sista, A. K., Black, S. A., O'Sullivan, G. J., Kaufman, J. A., Hofmann, et al
2022
 - **Authors' Reply: Therapeutic vs Sub-therapeutic Anticoagulation Following Venous Stent Placement.** *Journal of vascular and interventional radiology : JVIR*
Arendt, V. A., Hofmann, L. V.
1800
 - **Authors' Reply: Post-procedural anticoagulation following stenting for non-thrombotic iliac venous lesions (NIVLs).** *Journal of vascular and interventional radiology : JVIR*
Arendt, V. A., Hofmann, L. V.
2021
 - **Reimagining the IR Workflow for a Better Work-Life Balance.** *Journal of vascular and interventional radiology : JVIR*
Foo, E. T., Cianfichi, L. J., Guzman, E., Kerr, P. M., Krumm, J., Hofmann, L. V., Kothary, N.
2021; 32 (10): 1488-1491
 - **Optimal Medical Therapy Following Deep Venous Interventions: Proceedings from the Society of Interventional Radiology Foundation Research Consensus Panel.** *Journal of vascular and interventional radiology : JVIR*
Khaja, M. S., Obi, A. T., Sharma, A. M., Cuker, A., McCann, S. S., Thukral, S., Matson, J. T., Hofmann, L. V., Charalel, R., Kanthi, Y., Meek, M. E., Meissner, M. H., White, et al
2021
 - **Comparison of Anticoagulation Regimens Following Stent Placement for Nonthrombotic Lower Extremity Venous Disease.** *Journal of vascular and interventional radiology : JVIR*
Arendt, V. A., Mabud, T. S., Kuo, W. T., Jeon, G. S., An, X., Cohn, D. M., Fu, J. X., Hofmann, L. V.
2021
 - **Laser-Assisted Removal of Embedded Vena Cava Filters: A First-In-Human Escalation Trial in 500 Patients Refractory to High-Force Retrieval.** *Journal of the American Heart Association*
Kuo, W. T., Doshi, A. A., Ponting, J. M., Rosenberg, J. K., Liang, T., Hofmann, L. V.
2020: e017916
 - **Devising Productivity Benchmarks for IR: Findings from a National Survey of IR Practices.** *Journal of vascular and interventional radiology : JVIR*
Cheung, P. Y., Koran, M. E., Oladini, L. K., Hofmann, L. V.
2020
 - **Lower extremity vein segment diameters: Analysis of patent, unstented vein segment diameters in 266 patients with underlying venous disease.** *Journal of vascular surgery. Venous and lymphatic disorders*
Arendt, V. A., Mabud, T. S., Jeon, G. S., An, X., Cohn, D. M., Fu, J. X., Hofmann, L. V.

2020

- **Diagnostic performance of lower extremity Doppler ultrasound in detecting ilio caval obstruction.** *Journal of vascular surgery. Venous and lymphatic disorders*
Hui, J. Z., Goldman, R. E., Mabud, T. S., Arendt, V. A., Kuo, W. T., Hofmann, L. V.
2020
- **Bronchial Artery Embolization for Hemoptysis in Cystic Fibrosis Patients: A 17-Year Review.** *Journal of vascular and interventional radiology : JVIR*
Martin, L. N., Higgins, L., Mohabir, P., Sze, D. Y., Hofmann, L. V.
2019
- **Toward Data-Driven Learning Healthcare Systems in Interventional Radiology: Implementation to Evaluate Venous Stent Patency.** *Journal of digital imaging*
Cohn, D. M., Mabud, T. S., Arendt, V. A., Souffrant, A. D., Jeon, G. S., An, X., Kuo, W. T., Sze, D. Y., Hofmann, L. V., Rubin, D. L.
2019
- **Inferior Vena Cava Atresia: Characterisation of Risk Factors, Treatment, and Outcomes.** *Cardiovascular and interventional radiology*
Mabud, T. S., Sailer, A. M., Swee, J. K., Tamboli, M., Arendt, V. A., Jeon, G., An, X., Cohn, D. M., Kuo, W. T., Hofmann, L. V.
2019
- **Automated Quantitative Imaging Measurements of Disease Severity in Patients with Nonthrombotic Iliac Vein Compression.** *Journal of vascular and interventional radiology : JVIR*
Reposar, A. L., Mabud, T. S., Eifler, A. C., Hoogi, A., Arendt, V., Cohn, D. M., Rubin, D. L., Hofmann, L. V.
2019
- **Lower Extremity Venous Stent Placement: A Large Retrospective Single-Center Analysis.** *Journal of vascular and interventional radiology : JVIR*
Mabud, T. S., Cohn, D. M., Arendt, V. A., Jeon, G., An, X., Fu, J., Souffrant, A. D., Sailer, A. M., Shah, R., Wang, D., Sze, D. Y., Kuo, W. T., Rubin, et al
2019
- **Electronic Patient-Reported Outcomes: Semi-Automated Data Collection in the Interventional Radiology Clinic** *JOURNAL OF THE AMERICAN COLLEGE OF RADIOLOGY*
Hoang, N. S., Hwang, W., Katz, D. A., Mackey, S. C., Hofmann, L.
2019; 16 (4): 472–77
- **Endovascular Thrombus Removal for Acute Iliofemoral Deep Vein Thrombosis Analysis From a Stratified Multicenter Randomized Trial** *CIRCULATION*
Comerota, A. J., Kearon, C., Gu, C., Julian, J. A., Goldhaber, S. Z., Kahn, S. R., Jaff, M. R., Razavi, M. K., Kindzelski, A. L., Bashir, R., Patel, P., Sharafuddin, M., Sichelau, et al
2019; 139 (9): 1162–73
- **Endovascular Thrombus Removal for Acute Iliofemoral Deep Vein Thrombosis: Analysis from a Stratified Multicenter Randomized Trial.** *Circulation*
Comerota, A. J., Kearon, C., Gu, C., Julian, J. A., Goldhaber, S. Z., Kahn, S. R., Jaff, M. R., Razavi, M. K., Kindzelski, A. L., Bashir, R., Patel, P., Sharafuddin, M., Sichelau, et al
2018
- **Electronic Patient-Reported Outcomes: Semi-Automated Data Collection in the Interventional Radiology Clinic.** *Journal of the American College of Radiology : JACR*
Hoang, N. S., Hwang, W., Katz, D. A., Mackey, S. C., Hofmann, L. V.
2018
- **Venous disease patient registries available in the United States** *JOURNAL OF VASCULAR SURGERY-VENOUS AND LYMPHATIC DISORDERS*
Lurie, F., Obi, A., Schul, M., Hofmann, L. V., Kasper, G., Wakefield, T.
2018; 6 (1): 118–25
- **Laser-Assisted Removal of Embedded Vena Cava Filters A 5-Year First-in-Human Study** *CHEST*
Kuo, W. T., Odegaard, J. I., Rosenberg, J. K., Hofmann, L. V.
2017; 151 (2): 417-424

- **Endovascular Management of May-Thurner Syndrome in Adolescents: A Single-Center Experience** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
Goldman, R. E., Arendt, V. A., Kothary, N., Kuo, W. T., Sze, D. Y., Hofmann, L. V., Lungren, M. P.
2017; 28 (1): 71-77
- **Endovascular Management of May-Thurner Syndrome in Adolescents: A Single-Center Experience.** *Journal of vascular and interventional radiology*
Goldman, R. E., Arendt, V. A., Kothary, N., Kuo, W. T., Sze, D. Y., Hofmann, L. V., Lungren, M. P.
2016
- **Laser-Assisted Removal of Embedded Vena Cava Filters: A 5-Year First-in-Human Study.** *Chest*
Kuo, W. T., Odegaard, J. I., Rosenberg, J. K., Hofmann, L. V.
2016
- **Acute, Unilateral Breast Toxicity From Gemcitabine in the Setting of Thoracic Inlet Obstruction.** *Journal of oncology practice / American Society of Clinical Oncology*
Weiskopf, K., Creighton, D., Lew, T., Caswell, J. L., Ouyang, D., Shah, A. T., Hofmann, L. V., Neal, J. W., Telli, M. L.
2016; 12 (8): 763-764
- **Assessing the Risk of Hemorrhagic Complication following Transjugular Liver Biopsy in Bone Marrow Transplantation Recipients.** *Journal of vascular and interventional radiology*
Ahmed, O., Ward, T. J., Lungren, M. P., Abdelrazek Mohammed, M. A., Hofmann, L. V., Sze, D. Y., Kothary, N.
2016; 27 (4): 551-557
- **Assessing the Risk of Hemorrhagic Complication following Transjugular Liver Biopsy in Bone Marrow Transplantation Recipients** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
Ahmed, O., Ward, T. J., Lungren, M. P., Mohammed, M. A., Hofmann, L. V., Sze, D. Y., Kothary, N.
2016; 27 (4): 551-557
- **Superselective Chemoembolization of HCC: Comparison of Short-term Safety and Efficacy between Drug-eluting LC Beads, QuadraSpheres, and Conventional Ethiodized Oil Emulsion.** *Radiology*
Duan, F., Wang, E. Q., Lam, M. G., Abdelmaksoud, M. H., Louie, J. D., Hwang, G. L., Kothary, N., Kuo, W. T., Hofmann, L. V., Sze, D. Y.
2016; 278 (2): 612-621
- **Endovascular Stent Placement for May-Thurner Syndrome in the Absence of Acute Deep Vein Thrombosis.** *Journal of vascular and interventional radiology*
Ahmed, O., Ng, J., Patel, M., Ward, T. J., Wang, D. S., Shah, R., Hofmann, L. V.
2016; 27 (2): 167-173
- **Cost Accounting as a Tool for Increasing Cost Transparency in Selective Hepatic Transarterial Chemoembolization.** *Journal of vascular and interventional radiology*
Ahmed, O., Patel, M., Ward, T., Sze, D. Y., Telischak, K., Kothary, N., Hofmann, L. V.
2015; 26 (12): 1820-1826 e1
- **Emergent Salvage Direct Intrahepatic Portocaval Shunt Procedure for Acute Variceal Hemorrhage** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
Ward, T. J., Techasith, T., Louie, J. D., Hwang, G. L., Hofmann, L. V., Sze, D. Y.
2015; 26 (6): 829-834
- **Development of a High-Throughput Molecular Imaging-Based Orthotopic Hepatocellular Carcinoma Model** *CUREUS*
Hwang, G. L., van den Bosch, M. A., Kim, Y. I., Katzenberg, R., Willmann, J. K., Paulmurugan, R., Gambhir, S. S., Hofmann, L.
2015; 7 (6)
- **Development of a High-Throughput Molecular Imaging-Based Orthotopic Hepatocellular Carcinoma Model.** *Cureus*
Hwang, G. L., van den Bosch, M. A., Kim, Y. I., Katzenberg, R., Willmann, J. K., Paulmurugan, R., Gambhir, S. S., Hofmann, L.
2015; 7 (6)
- **Immediate Postoperative Percutaneous Stenting of Superior Vena Cava Obstruction Following Heart Transplantation in Adult Patients with Pacemaker Leads** *JOURNAL OF CARDIAC SURGERY*
Asseff, D., Sheikh, A. Y., Sze, D., Ha, R., Hofmann, L., van der Starre, P. J.
2014; 29 (5): 733-736

- **Immediate postoperative percutaneous stenting of superior vena cava obstruction following heart transplantation in adult patients with pacemaker leads.** *Journal of cardiac surgery*
Asseff, D., Sheikh, A. Y., Sze, D., Ha, R., Hofmann, L., van der Starre, P. J.
2014; 29 (5): 733-736
- **Novel protocol including liver biopsy to identify and treat CD8+ T-cell predominant acute hepatitis and liver failure.** *Pediatric transplantation*
McKenzie, R. B., Berquist, W. E., Nadeau, K. C., Louie, C. Y., Chen, S. F., Sibley, R. K., Glader, B. E., Wong, W. B., Hofmann, L. V., Esquivel, C. O., Cox, K. L.
2014; 18 (5): 503-509
- **MicroRNA-regulated non-viral vectors with improved tumor specificity in an orthotopic rat model of hepatocellular carcinoma** *GENE THERAPY*
Ronald, J. A., Katzenberg, R., Nielsen, C. H., Jae, H. J., Hofmann, L. V., Gambhir, S. S.
2013; 20 (10): 1006-1013
- **Excimer laser-assisted removal of embedded inferior vena cava filters: a single-center prospective study.** *Circulation. Cardiovascular interventions*
Kuo, W. T., Odegaard, J. I., Rosenberg, J. K., Hofmann, L. V.
2013; 6 (5): 560-566
- **Complex retrieval of fractured, embedded, and penetrating inferior vena cava filters: a prospective study with histologic and electron microscopic analysis.** *Journal of vascular and interventional radiology*
Kuo, W. T., Robertson, S. W., Odegaard, J. I., Hofmann, L. V.
2013; 24 (5): 622-630 e1
- **Complex retrieval of fractured, embedded, and penetrating inferior vena cava filters: a prospective study with histologic and electron microscopic analysis.** *Journal of vascular and interventional radiology*
Kuo, W. T., Robertson, S. W., Odegaard, J. I., Hofmann, L. V.
2013; 24 (5): 622-630 e1
- **Measurements of the Left Common Iliac Vein Diameter May Not Be Consistent over Time Response** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
Chan, K. T., Carr, S. A., Hofmann, L. V.
2013; 24 (4): 193-194
- **Correlation of the Diameter of the Left Common Iliac Vein with the Risk of Lower-extremity Deep Venous Thrombosis** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
Carr, S., Chan, K., Rosenberg, J., Kuo, W. T., Kothary, N., Hovsepian, D. M., Sze, D. Y., Hofmann, L. V.
2012; 23 (11): 1467-1472
- **Feasibility of Pulmonary Interstitial Lymphography-guided Targeting in Stereotactic Ablative Radiation Therapy of Lung Tumors** *54th Annual Meeting of the American-Society-for-Radiation-Oncology (ASTRO)*
Abelson, J. A., Kothary, N., Fleischmann, D., Hofmann, L., Kielar, K., Maxim, P., Le, Q., Diehn, M., Loo, B. W.
ELSEVIER SCIENCE INC.2012: S173-S173
- **Complex Retrieval of Embedded IVC Filters: Alternative Techniques and Histologic Tissue Analysis** *CARDIOVASCULAR AND INTERVENTIONAL RADIOLOGY*
Kuo, W. T., Cupp, J. S., Louie, J. D., Kothary, N., Hofmann, L. V., Sze, D. Y., Hovsepian, D. M.
2012; 35 (3): 588-597
- **X-Ray-Visible Microcapsules Containing Mesenchymal Stem Cells Improve Hind Limb Perfusion in a Rabbit Model of Peripheral Arterial Disease** *STEM CELLS*
Kedziorek, D. A., Hofmann, L. V., Fu, Y., Gilson, W. D., Cosby, K. M., Kohl, B., Barnett, B. P., Simons, B. W., Walczak, P., Bulte, J. W., Gabrielson, K., Kraitchman, D. L.
2012; 30 (6): 1286-1296
- **Using plasma proteomic analysis for venous thromboembolism risk stratification in patients with advanced gastrointestinal cancers**
Itakura, H., Holzer, A. K., Hofmann, L. V., Tsao, P. S.
AMER SOC CLINICAL ONCOLOGY.2012
- **Intratumoral versus Intravenous Gene Therapy Using a Transcriptionally Targeted Viral Vector in an Orthotopic Hepatocellular Carcinoma Rat Model** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*

Kim, Y. I., Ahn, B., Ronald, J. A., Katzenberg, R., Singh, A., Paulmurugan, R., Ray, S., Gambhir, S. S., Hofmann, L. V.
2012; 23 (5): 704-711

- **Applying a Structured Innovation Process to Interventional Radiology: A Single-Center Experience** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
Sista, A. K., Hwang, G. L., Hovsepian, D. M., Sze, D. Y., Kuo, W. T., Kothary, N., Louie, J. D., Yamada, K., Hong, R., Dhanani, R., Brinton, T. J., Krummel, T. M., Makower, et al
2012; 23 (4): 488-494
- **Transarterial Chemoembolization for Hepatocellular Carcinomas in Watershed Segments: Utility of C-Arm Computed Tomography for Treatment Planning** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
Abdelmaksoud, M. H., Louie, J. D., Hwang, G. L., Sze, D. Y., Hofmann, L. V., Kothary, N.
2012; 23 (2): 281-283
- **Catheter-directed thrombolysis for acute DVT** *LANCET*
Hofmann, L. V., Kuo, W. T.
2012; 379 (9810): 3-4
- **Percutaneous Cholecystostomy for Acute Cholecystitis: Ten-Year Experience** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
Joseph, T., Unver, K., Hwang, G. L., Rosenberg, J., Sze, D. Y., Hashimi, S., Kothary, N., Louie, J. D., Kuo, W. T., Hofmann, L. V., Hovsepian, D. M.
2012; 23 (1): 83-88
- **Imaging Guidance with C-arm CT: Prospective Evaluation of Its Impact on Patient Radiation Exposure during Transhepatic Arterial Chemoembolization** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
Kothary, N., Abdelmaksoud, M. H., Tognolini, A., Fahrig, R., Rosenberg, J., Hovsepian, D. M., Ganguly, A., Louie, J. D., Kuo, W. T., Hwang, G. L., Holzer, A., Sze, D. Y., Hofmann, et al
2011; 22 (11): 1535-1544
- **Embolization of Parasitized Extrahepatic Arteries to Reestablish Intrahepatic Arterial Supply to Tumors before Yttrium-90 Radioembolization** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
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