Stanford



# Nishita Kothary, MD

Professor of Radiology (Interventional Radiology)

NIH Biosketch available Online  Curriculum Vitae available Online


**CLINICAL OFFICE (PRIMARY)**

- **Interventional Radiology**

  300 Pasteur Dr Rm H3652

  MC 5642

  Stanford, CA 94305

  **Tel** (650) 725-5202  **Fax** (650) 725-0533

**ACADEMIC CONTACT INFORMATION**

- **Alternate Contact**

  Mario Landeros - Administrative Asst

  **Email** marlan27@stanford.edu

  **Tel** 650-498-7683


## Bio

### BIO

Nishita Kothary, M.D. is a Professor of Radiology in the section of Interventional Radiology at Stanford University Medical Center. Dr. Kothary's clinical practice primarily focuses on percutaneous and endovascular therapies for primary and metastatic liver cancer. Her research interests lie in radiogenomics and in the use of advanced imaging in the diagnosis and treatment of hepatocellular carcinoma (HCC). Dr. Kothary is an active member of the Zeego Lab and Integrative Biomedical Imaging Informatics at Stanford. She is the faculty lead for the Out-of-OR Value-based Committee and the co-chair for the overall SHC Value-based Committee.

### CLINICAL FOCUS

- Interventional Radiology
- Interventional Oncology
- Hepatocellular Carcinoma (HCC)
- Neuroendocrine tumors
- Catheter based therapies
- Ablative therapies
- Portal hypertension
- Image-Guided Surgery
- Minimally invasive therapy
- Radiology

### ACADEMIC APPOINTMENTS

- Professor-Univ Med Line, Radiology
- Member, Bio-X
- Member, Cardiovascular Institute

- Member, Stanford Cancer Institute

### ADMINISTRATIVE APPOINTMENTS

- Fellowship and Education Director, Interventional Radiology, Stanford, (2006-2009)
- Director, Clinical Operations (IR), Stanford Univ Med Ctr, Division of Interventional Radiology, (2008-2013)
- Chair, Out-of-OR Value Based Committee, Stanford Hospital, (2019- present)
- Co-Chair, Value Based Committee, Stanford Hospital, (2019- present)
- Co-Chair, Value Based Committee, Stanford Hospital, (2019- present)
- Co-Chair, Value Based Committee, Stanford Hospital, (2019- present)

### PROFESSIONAL EDUCATION

- Board Certification: Interventional Radiology, American Board of Radiology (2017)
- Residency: George Washington University Office of the Registrar (2001) DC
- Fellowship: Hospital of the University of Pennsylvania (2003) PA
- Fellowship: New York University Med Ctr (2002) NY
- Board Certification: Diagnostic Radiology, American Board of Radiology (2001)
- Residency: Medical College of Ohio (1998) OH
- Internship: Good Samaritan Hospital (1997) OH
- Medical Education: Topiwala National Medical College/BYL Nair Charitable Hospital (1996) India

## Research & Scholarship

### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Interventional Oncology: Percutaneous and transarterial interventions for diagnosis and treatment of primary and metastatic tumors (lung, liver and renal)

Research Interest:

Gastrointestinal and Hepatic Oncology

### CLINICAL TRIALS

- Filter Initial & Long Term Evaluation After Placement and Retrieval Registry, Recruiting
- "Embolization Before Ablation of Renal Cell Carcinoma (EMBARC)", Not Recruiting
- A Phase 2b Study of Modified Vaccinia Virus to Treat Patients Advanced Liver Cancer Who Failed Sorafenib, Not Recruiting
- Combination SBRT With TACE for Unresectable Hepatocellular Carcinoma, Not Recruiting
- Early Percutaneous Cryoablation for Pain Control After Rib Fractures Among Elderly Patients, Not Recruiting
- Hepatocellular Carcinoma Study Comparing Vaccinia Virus Based Immunotherapy Plus Sorafenib vs Sorafenib Alone, Not Recruiting
- Impact of C-arm CT in Decreased Renal Function Undergoing TACE for Tx of Hepato-Cellular Carcinoma, Not Recruiting
- Impact of C-arm CT in Patients With HCC Undergoing TACE: Optimal Imaging Guidance, Not Recruiting
- Randomized Embolization Trial for NeuroEndocrine Tumor Metastases to the Liver, Not Recruiting
- Safety and Effectiveness of BioTraceIO Lite for Tissue Damage Assessment Following Liver Tissue Ablation Procedures, Not Recruiting
- Transarterial Chemoembolization Compared With Stereotactic Body Radiation Therapy or Stereotactic Ablative Radiation Therapy in Treating Patients With Residual or Recurrent Liver Cancer Undergone Initial Transarterial Chemoembolization, Not Recruiting

- Transarterial Chemoembolization vs CyberKnife for Recurrent Hepatocellular Carcinoma, Not Recruiting
- Efficacy Evaluation of TheraSphere Following Failed First Line Chemotherapy in Metastatic Colorectal Cancer, Not Specified
- Imaging During Surgery in Diagnosing Patients With Prostate, Bladder, or Kidney Cancer, Not Specified
- SPYRAL GEMINI Pilot Study, Not Specified
- Transarterial Chemoembolization (TACE) vs. CyberKnife for Recurrent Hepatocellular Carcinoma (HCC), Not Specified

## Publications

### PUBLICATIONS

- **Advancing Guideline Methodology in Interventional Radiology: Introduction of the Clinical Care Recommendation Framework.** *Journal of vascular and interventional radiology : JVIR*
  Wilkins, L. R., Tam, A. L., Kaufman, C. S., Sabri, S. S., Hong, K., Kothary, N., Lookstein, R. A., Lee, E.
  2026: 108917
- **Early Percutaneous Cryoneurolysis for Pain Control After Rib Fracture for Older Patients: A Prospective Randomized Clinical Trial.** *Journal of the American College of Surgeons*
  Forrester, J. D., Abreo, A., Earley, M., King, J. M., Kesselman, A., Vezeridis, A. M., Picel, A. C., Kothary, N.
  2026
- **Efficacy and safety of sequential transarterial embolization and cryoablation of renal masses greater than 3 cm.** *Urologic oncology*
  Hung, M. L., Wang, R., Yu, C., Kim, J., Vezeridis, A. M., Picel, A. C., Gunn, A. J., Kothary, N.
  2025
- **Management of Ascites: AJR Expert Panel Narrative Review.** *AJR. American journal of roentgenology*
  Cornman-Homonoff, J., Fortune, B. E., Kolli, K. P., Kothary, N., Nadolski, G., Thornburg, B. G., Verma, S., Madoff, D. C.
  2025
- **Embolization before ablation of T1b renal cell carcinoma (EMBARC).** *Journal of vascular and interventional radiology : JVIR*
  Gunn, A. J., Anton, K., Kothary, N., Schmidt, G. D., Stavropoulos, S. W., Richman, J., Jansen, J. O.
  2024
- **Spatial analysis reveals targetable macrophage-mediated mechanisms of immune evasion in hepatocellular carcinoma minimal residual disease.** *Nature cancer*
  Lemaitre, L., Adeniji, N., Suresh, A., Reguram, R., Zhang, J., Park, J., Reddy, A., Trevino, A. E., Mayer, A. T., Deutzmann, A., Hansen, A. S., Tong, L., Arjunan, et al
  2024
- **Percutaneous Cryoneurolysis for Pain Control After Rib Fractures in Older Adults.** *JAMA surgery*
  Wang, S., Earley, M., Kesselman, A., Vezeridis, A. M., Picel, A. C., Kothary, N., Forrester, J. D.
  2024
- **The Prevalence of Financial Conflict of Interest Disclosures by Endovascular Specialists on X (Twitter).** *Journal of vascular and interventional radiology : JVIR*
  Webb, T., Menard, N., Hofmann, H. L., Repajic, M., Han, J., Keller, E. J., Kothary, N., Vairavamurthy, J.
  2024
- **Pulmonary interstitial lymphography: A prospective trial with potential impact on stereotactic ablative radiotherapy planning for early-stage lung cancer.** *Radiotherapy and oncology : journal of the European Society for Therapeutic Radiology and Oncology*
  Ko, R. B., Abelson, J. A., Fleischmann, D., Louie, J. D., Hwang, G. L., Sze, D. Y., Schuler, E., Kielar, K. N., Maxim, P. G., Le, Q., Hara, W. H., Diehn, M., Kothary, et al
  2023: 110079
- **Single-shot quantitative x-ray imaging using a primary modulator and dual-layer detector.** *Medical physics*
  Shi, L., Bennett, N. R., Vezeridis, A., Kothary, N., Wang, A. S.
  2023
- **LIVER VOLUME PREDICTS MORTALITY IN ALCOHOL ASSOCIATED LIVER DISEASE**
  Manikat, R., Wu, W., Kwo, P., Kothary, N., Chaudhari, A., Kwong, A. J.

LIPPINCOTT WILLIAMS & WILKINS.2023: S1622-S1623

- **Preliminary Report: International Randomized Study of Transarterial Chemoembolization (TACE) versus Stereotactic Body Radiotherapy for Residual/Recurrent Hepatocellular Carcinoma After Initial TACE**
  Hui, C., Hall, J., Kothary, N., Sze, D., Wang, D., Koong, A., Pollom, E., Chang, D.
  LIPPINCOTT WILLIAMS & WILKINS.2023: S46

- **Patient Decision Aids Before Informed Consent Conversations for Image-Guided Procedures: Controlled Trials at Two Institutions.** *AJR. American journal of roentgenology*
  Srinivas, S., Newton, I. G., Waradzyn, M., Kothary, N., Keller, E. J.
  2022

- **Radiologists staunchly support patient safety and autonomy, in opposition to the SCOTUS decision to overturn Roe v Wade.** *Clinical imaging*
  Karandikar, A., Solberg, A., Fung, A., Lee, A. Y., Farooq, A., Taylor, A. C., Oliveira, A., Narayan, A., Senter, A., Majid, A., Tong, A., McGrath, A. L., Malik, et al
  2022

- **Proceedings from the Society of Interventional Radiology Foundation Research Consensus Panel on Artificial Intelligence in Interventional Radiology: From Code to Bedside.** *Journal of vascular and interventional radiology : JVIR*
  Chapiro, J., Allen, B., Abajian, A., Wood, B., Kothary, N., Daye, D., Bai, H., Sedrakyan, A., Diamond, M., Simonyan, V., McLennan, G., Abi-Jaoudeh, N., Pua, et al
  2022

- **Limitations of Fluorine 18 Fluoromisonidazole in Assessing Treatment-induced Tissue Hypoxia after Transcatheter Arterial Embolization of Hepatocellular Carcinoma: A Prospective Pilot Study.** *Radiology. Imaging cancer*
  Shah, R. P., Laeseke, P. F., Shin, L. K., Chin, F. T., Kothary, N., Segall, G. M.
  2022; 4 (3): e210094

- **Cost-effectiveness of tunneled peritoneal catheters versus repeat paracenteses for recurrent ascites in gynecologic malignancies.** *Gynecologic oncology*
  Wu, X., Keller, E. J., Rabei, R., Rockwell, H., Beeson, S., Heller, M., Kothary, N.
  1800

- **Tunneled Peritoneal Catheter vs Repeated Paracenteses for Recurrent Ascites: A Cost-Effectiveness Analysis.** *Cardiovascular and interventional radiology*
  Wu, X., Rabei, R., Keller, E. J., King, B., Kothary, N., Kohi, M., Taylor, A., Heller, M.
  2022

- **Perceptions of Ethics in Interventional Radiology.** *Current problems in diagnostic radiology*
  Rockwell, H. D., Beeson, S. A., Keller, E. J., Kothary, N., Dickey, K.
  1800

- **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

- **The Need to Mitigate Unconscious Bias to Improve Sponsorship Opportunities for Underrepresented Faculty in Academic Radiology.** *AJR. American journal of roentgenology*
  Jerome, B., Fassiotto, M., Kothary, N.
  2021

- **The Role of Physician-Driven Device Preference in the Cost Variation of Common Interventional Radiology Procedures.** *Journal of vascular and interventional radiology : JVIR*
  Shivakumar, V., Bundorf, M. K., Vezeridis, A. M., Kothary, N.
  2021

- **Efficacy of intercostal cryoneurolysis as an analgesic adjunct for chest wall pain after surgery or trauma: a systematic review** *Trauma Surgery & Acute Care Open*
  Cha, P. I., Min, J. G., Patil, A., Choi, J., Kothary, N. N., Forrester, J. D.
  2021: e000690

- **Comparison of Drug-Eluting Embolics versus Conventional Transarterial Chemoembolization for the Treatment of Patients with Unresectable Hepatocellular Carcinoma: A Cost-Effectiveness Analysis.** *Journal of vascular and interventional radiology : JVIR*
  Wu, X., Chapiro, J., Malhotra, A., Kothary, N.
  2020

- **Perceptions of Futility in Interventional Radiology: A Multipractice Systematic Qualitative Analysis.** *Cardiovascular and interventional radiology*
  Keller, E. J., Rabei, R., Heller, M., Kothary, N.
  2020

- **Emergency General Surgery Quality Improvement Efforts for the Elderly: Are Needs Different from the Young?**
  Staudenmayer, K., Burlew, C., Kothary, N., Tennakoon, L., Coimbra, R.
  ELSEVIER SCIENCE INC.2020: E16

- **The Economic Footprint of Interventional Radiology in the United States: Implications for Systems Development.** *Journal of the American College of Radiology : JACR*
  Shah, S. S., Tennakoon, L., O'Beirne, E., Staudenmayer, K. L., Kothary, N.
  2020

- **Comparison of Opioid Medication Use after Conventional Chemoembolization versus Drug-Eluting Embolic Chemoembolization.** *Journal of vascular and interventional radiology : JVIR*
  Khalaf, M. H., Shah, R. P., Green, V., Vezeridis, A. M., Liang, T., Kothary, N.
  2020

- **Interreader Variability in Semantic Annotation of Microvascular Invasion in Hepatocellular Carcinoma on Contrast-enhanced Triphasic CT Images.** *Radiology. Imaging cancer*
  Bakr, S., Gevaert, O., Patel, B., Kesselman, A., Shah, R., Napel, S., Kothary, N.
  2020; 2 (3): e190062

- **Genomic analysis of Vascular Invasion in Hepatocellular Carcinoma (HCC) Reveals Molecular Drivers and Predictive Biomarkers.** *Hepatology (Baltimore, Md.)*
  Krishnan, M. S., Rajan Kd, A. n., Park, J. n., Arjunan, V. n., Garcia Marques, F. J., Bermudez, A. n., Girvan, O. A., Hoang, N. S., Yin, J. n., Nguyen, M. H., Kothary, N. n., Pitteri, S. n., Felsher, et al
  2020

- **Quality of life after pharmacomechanical catheter-directed thrombolysis for proximal deep venous thrombosis** *JOURNAL OF VASCULAR SURGERY-VENOUS AND LYMPHATIC DISORDERS*
  Kahn, S. R., Julian, J. A., Kearon, C., Gu, C., Cohen, D. J., Magnuson, E. A., Comerota, A. J., Goldhaber, S. Z., Jaff, M. R., Razavi, M. K., Kindzelski, A. L., Schneider, J. R., Kim, et al
  2020; 8 (1): 8-+

- **Gender Differences in Patient Perceptions of Physicians' Communal Traits and the Impact on Physician Evaluations.** *Journal of women's health (2002)*
  Chen, H. n., Pierson, E. n., Schmer-Galunder, S. n., Altamirano, J. n., Jurafsky, D. n., Leskovec, J. n., Fassiotto, M. n., Kothary, N. n.
  2020

- **The Treatment of Hepatocellular Carcinoma With Portal Vein Tumor Thrombosis.** *American Society of Clinical Oncology educational book. American Society of Clinical Oncology. Annual Meeting*
  Qadan, M. n., Kothary, N. n., Sangro, B. n., Palta, M. n.
  2020; 40: 1–8

- **Achieving Speaker Gender Equity at the SIR Annual Scientific Meeting: The Effect of Female Session Coordinators.** *Journal of vascular and interventional radiology : JVIR*
  Ghatan, C. E., Altamirano, J., Fassiotto, M., Perez, M. G., Maldonado, Y., Josephs, S., Sze, D. Y., Kothary, N.
  2019

- **CROSS-SPECIES COMPREHENSIVE PROTEOMIC ANALYSIS OF HEPATOCELLULAR CARCINOMA (HCC) TO IDENTIFY PLASMA BIOMARKERS OF VASCULAR INVASION**
  Krishnan, M., Arjunan, V., Kothary, N., Felsher, D., Dhanasekaran, R.
  WILEY.2019: 74A

- **Drs. Kothary et al respond.** *Journal of vascular and interventional radiology : JVIR*
  Kothary, N., Fassiotto, M., Altamirano, J.
  2019

- **Untapped Resources: Attaining Equitable Representation for Women in IR** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
  Perez, M. G., Fassiotto, M., Altamirano, J., Hwang, G. L., Maldonado, Y., Josephs, S., Sze, D. Y., Kothary, N.
  2019; 30 (4): 579–83

- **Untapped Resources: Attaining Equitable Representation for Women in IR.** *Journal of vascular and interventional radiology : JVIR*
  Perez, M. G., Fassiotto, M., Altamirano, J., Hwang, G. L., Maldonado, Y., Josephs, S., Sze, D. Y., Kothary, N.
  2019

- **A Predictive Model for Postembolization Syndrome after Transarterial Hepatic Chemoembolization of Hepatocellular Carcinoma** *RADIOLOGY*
  Khalaf, M. H., Sundaram, V., Mohammed, M., Shah, R., Khosla, A., Jackson, K., Desai, M., Kothary, N.
  2019; 290 (1): 254–61

- **Quantitative Ultrasound Spectroscopy for Differentiation of Hepatocellular Carcinoma from At-risk and Normal Liver Parenchyma.** *Clinical cancer research : an official journal of the American Association for Cancer Research*
  Durot, I. n., Sigrist, R. n., Kothary, N. n., Rosenberg, J. n., Willmann, J. K., El Kaffas, A. n.
  2019

- **Albumin-Bilirubin Score: An Accurate Predictor of Hepatic Decompensation in High-Risk Patients Undergoing Transarterial Chemoembolization for Hepatocellular Carcinoma** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
  Mohammed, M., Khalaf, M. H., Liang, T., Wang, D. S., Lungren, M. P., Rosenberg, J., Kothary, N.
  2018; 29 (11): 1527–34

- **A Predictive Model for Postembolization Syndrome after Transarterial Hepatic Chemoembolization of Hepatocellular Carcinoma.** *Radiology*
  Khalaf, M. H., Sundaram, V., AbdelRazek Mohammed, M. A., Shah, R., Khosla, A., Jackson, K., Desai, M., Kothary, N.
  2018: 180257

- **Albumin-Bilirubin Score: An Accurate Predictor of Hepatic Decompensation in High-Risk Patients Undergoing Transarterial Chemoembolization for Hepatocellular Carcinoma.** *Journal of vascular and interventional radiology : JVIR*
  Mohammed, M. A., Khalaf, M. H., Liang, T., Wang, D. S., Lungren, M. P., Rosenberg, J., Kothary, N.
  2018

- **Comparison of Transjugular Liver Biopsy and Percutaneous Liver Biopsy With Tract Embolization in Pediatric Patients** *JOURNAL OF PEDIATRIC GASTROENTEROLOGY AND NUTRITION*
  Tulin-Silver, S., Obi, C., Kothary, N., Lungren, M. P.
  2018; 67 (2): 180–84

- **A Role for Virtual Reality in Planning Endovascular Procedures** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
  Mohammed, M., Khalaf, M. H., Kesselman, A., Wang, D. S., Kothary, N.
  2018; 29 (7): 971–74

- **Transarterial chemoembolization in children to treat unresectable hepatocellular carcinoma** *PEDIATRIC TRANSPLANTATION*
  Weiss, K. E., Sze, D. Y., Rangaswami, A. A., Esquivel, C. O., Concepcion, W., Lebowitz, E. A., Kothary, N., Lungren, M. P.
  2018; 22 (4)

- **Transarterial chemoembolization in children to treat unresectable hepatocellular carcinoma.** *Pediatric transplantation*
  Weiss, K. E., Sze, D. Y., Rangaswami, A. A., Esquivel, C. O., Concepcion, W., Lebowitz, E. A., Kothary, N., Lungren, M. P.
  2018: e13187

- **Female Surgeons as Counter Stereotype: The Impact of Gender Perceptions on Trainee Evaluations of Physician Faculty.** *Journal of surgical education*
  Fassiotto, M., Li, J., Maldonado, Y., Kothary, N.
  2018

- **A Role for Virtual Reality in Planning Endovascular Procedures.** *Journal of vascular and interventional radiology : JVIR*
  Mohammed, M. A., Khalaf, M. H., Kesselman, A., Wang, D. S., Kothary, N.

2018; 29 (7): 971–74

- **Female Surgeons as Counter Stereotype: The Impact of Gender Perceptions on Trainee Evaluations of Physician Faculty** *Journal of Surgical Education*
  Fassiotto, M., Li, J., Maldonado, Y., Kothary, N.
  2018

- **Administering Blood Products Before Selected Interventional Radiology Procedures: Developing, Applying, and Monitoring a Standardized Protocol** *JOURNAL OF THE AMERICAN COLLEGE OF RADIOLOGY*
  Hoang, N. S., Kothary, N., Saharan, S., Rosenberg, J., Tran, A. A., Brown, S. B., Hovsepian, D. M.
  2017; 14 (11): 1438–43

- **Dynamic Measurement of Arterial Liver Perfusion With an Interventional C-Arm System.** *Investigative radiology*
  Datta, S., Müller, K., Moore, T., Molvin, L., Gehrisch, S., Rosenberg, J., Saenz, Y., Manhart, M., Deuerling-Zheng, Y., Kothary, N., Fahrig, R.
  2017

- **The Role of Cone-Beam CT in Transcatheter Arterial Chemoembolization for Hepatocellular Carcinoma: A Systematic Review and Meta-analysis.** *Journal of vascular and interventional radiology*
  Pung, L., Ahmad, M., Mueller, K., Rosenberg, J., Stave, C., Hwang, G. L., Shah, R., Kothary, N.
  2017; 28 (3): 334-341

- **The Role of Dual-Phase Cone-Beam CT in Predicting Short-Term Response after Transarterial Chemoembolization for Hepatocellular Carcinoma.** *Journal of vascular and interventional radiology*
  Müller, K., Datta, S., Gehrisch, S., Ahmad, M., Mohammed, M. A., Rosenberg, J., Hwang, G. L., Louie, J. D., Sze, D. Y., Kothary, N.
  2017; 28 (2): 238-245

- **Cost-effectiveness of Stereotactic Body Radiation Therapy versus Radiofrequency Ablation for Hepatocellular Carcinoma: A Markov Modeling Study.** *Radiology*
  Pollom, E. L., Lee, K., Durkee, B. Y., Grade, M., Mokhtari, D. A., Wahl, D. R., Feng, M., Kothary, N., Koong, A. C., Owens, D. K., Goldhaber-Fiebert, J., Chang, D. T.
  2017: 161509-?

- **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

- **Noninvasive radiomics signature based on quantitative analysis of computed tomography images as a surrogate for microvascular invasion in hepatocellular carcinoma: a pilot study.** *Journal of medical imaging (Bellingham, Wash.)*
  Bakr, S. n., Echegaray, S. n., Shah, R. n., Kamaya, A. n., Louie, J. n., Napel, S. n., Kothary, N. n., Gevaert, O. n.
  2017; 4 (4): 041303

- **Embolotherapy for Neuroendocrine Tumor Liver Metastases: Prognostic Factors for Hepatic Progression-Free Survival and Overall Survival.** *Cardiovascular and interventional radiology*
  Chen, J. X., Rose, S., White, S. B., El-Haddad, G., Fidelman, N., Yarmohammadi, H., Hwang, W., Sze, D. Y., Kothary, N., Stashek, K., Wileyto, E. P., Salem, R., Metz, et al
  2017; 40 (1): 69-80

- **Embolotherapy for Neuroendocrine Tumor Liver Metastases: Prognostic Factors for Hepatic Progression-Free Survival and Overall Survival** *CARDIOVASCULAR AND INTERVENTIONAL RADIOLOGY*
  Chen, J. X., Rose, S., White, S. B., El-Haddad, G., Fidelman, N., Yarmohammadi, H., Hwang, W., Sze, D. Y., Kothary, N., Stashek, K., Wileyto, E. P., Salem, R., Metz, et al
  2017; 40 (1): 69-80

- **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

- **Reproducibility of Parenchymal Blood Volume Measurements Using an Angiographic C-arm CT System.** *Academic radiology*
  Mueller, K., Fahrig, R., Manhart, M., Deuerling-Zheng, Y., Rosenberg, J., Moore, T., Ganguly, A., Kothary, N.
  2016; 23 (11): 1441-1445

- **The Angiomyolipoma Conundrum** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
  Kothary, N.
  2016; 27 (10): 1550–51

- **Ultrasound Guided Liver Biopsy with Gelatin Sponge Pledget Tract Embolization in Infants Weighing Less Than 10 kg.** *Journal of pediatric gastroenterology and nutrition*
  Lungren, M. P., Lindquester, W. S., Seidel, F. G., Kothry, N., Monroe, E. J., Shivaram, G., Gill, A. E., Hawkins, M. C.
  2016: -?

- **CT-Guided Wire Localization for Involved Axillary Lymph Nodes After Neo-adjuvant Chemotherapy in Patients With Initially Node-Positive Breast Cancer** *BREAST JOURNAL*
  Long Trinh, L., Miyake, K. K., Dirbas, F. M., Kothary, N., Horst, K. C., Lipson, J. A., Carpenter, C., Thompson, A. C., Ikeda, D. M.
  2016; 22 (4): 390-396

- **Occupational Radiation Exposure during Pregnancy: A Survey of Attitudes and Practices among Interventional Radiologists** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
  Ghatan, C. E., Fassiotto, M., Jacobsen, J. P., Sze, D. Y., Kothary, N.
  2016; 27 (7): 1013-1020

- **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

- **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

- **Core samples for radiomics features that are insensitive to tumor segmentation: method and pilot study using CT images of hepatocellular carcinoma.** *Journal of medical imaging (Bellingham, Wash.)*
  Echegaray, S., Gevaert, O., Shah, R., Kamaya, A., Louie, J., Kothary, N., Napel, S.
  2015; 2 (4): 041011-?

- **Watershed Hepatocellular Carcinomas: The Risk of Incomplete Response following Transhepatic Arterial Chemoembolization.** *Journal of vascular and interventional radiology*
  Kothary, N., Takehana, C., Mueller, K., Sullivan, P., Tahvildari, A., Sidhar, V., Rosenberg, J., Louie, J. D., Sze, D. Y.
  2015; 26 (8): 1122-1129

- **Optimal imaging surveillance schedules after liver-directed therapy for hepatocellular carcinoma.** *Journal of vascular and interventional radiology*
  Boas, F. E., Do, B., Louie, J. D., Kothary, N., Hwang, G. L., Kuo, W. T., Hovsepian, D. M., Kantrowitz, M., Sze, D. Y.
  2015; 26 (1): 69-73

- **Introduction** *TECHNIQUES IN VASCULAR AND INTERVENTIONAL RADIOLOGY*
  Kothary, N.
  2013; 16 (3): 135

- **Prophylactic Topically Applied Ice to Prevent Cutaneous Complications of Nontarget Chemoembolization and Radioembolization** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
  Wang, D. S., Louie, J. D., Kothary, N., Shah, R. P., Sze, D. Y.

2013; 24 (4): 596-600

- **Migration of implanted markers for image-guided lung tumor stereotactic ablative radiotherapy** *JOURNAL OF APPLIED CLINICAL MEDICAL PHYSICS*
  Hong, J. C., Eclov, N. C., Yu, Y., Rao, A. K., Dieterich, S., Quynh-Thu Le, Q. T., Diehn, M., Sze, D. Y., Loo, B. W., Kothary, N., Maxim, P. G.
  2013; 14 (2): 77-89

- **Migration of implanted markers for image-guided lung tumor stereotactic ablative radiotherapy.** *Journal of applied clinical medical physics*
  Hong, J. C., Eclov, N. C., Yu, Y., Rao, A. K., Dieterich, S., Le, Q., Diehn, M., Sze, D. Y., Loo, B. W., Kothary, N., Maxim, P. G.
  2013; 14 (2): 4046-?

- **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

- **The diagnostic yield of CT-guided percutaneous lung biopsy in solid organ transplant recipients** *CLINICAL TRANSPLANTATION*
  Hsu, J. L., Kuschner, W. G., Paik, J., Bower, N., Guillamet, M. C., Kothary, N.
  2012; 26 (4): 615-621

- **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

- **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

- **Yttrium-90 Radioembolization of Renal Cell Carcinoma Metastatic to the Liver** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
  Abdelmaksoud, M. H., Louie, J. D., Hwang, G. L., Kothary, N., Minor, D. R., Sze, D. Y.
  2012; 23 (3): 323-330

- **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

- **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

- **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*
  Abdelmaksoud, M. H., Louie, J. D., Kothary, N., Hwang, G. L., Kuo, W. T., Hofmann, L. V., Hovsepian, D. M., Sze, D. Y.
  2011; 22 (10): 1355-1362

- **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

- **Consolidation of Hepatic Arterial Inflow by Embolization of Variant Hepatic Arteries in Preparation for Yttrium-90 Radioembolization** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
  Abdelmaksoud, M. H., Louie, J. D., Kothary, N., Hwang, G. L., Kuo, W. T., Hofmann, L. V., Hovsepian, D. M., Sze, D. Y.
  2011; 22 (10): 1364-1372

- **HIGH RETENTION AND SAFETY OF PERCUTANEOUSLY IMPLANTED ENDOVASCULAR EMBOLIZATION COILS AS FIDUCIAL MARKERS FOR IMAGE-GUIDED STEREOTACTIC ABLATIVE RADIOTHERAPY OF PULMONARY TUMORS** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*
  Hong, J. C., Yu, Y., Rao, A. K., Ditererich, S., Maxim, P. G., Le, Q., Diehn, M., Sze, D. Y., Kothary, N., Loo, B. W.
  2011; 81 (1): 85-90

- **Photothermal Ablation with the Excimer Laser Sheath Technique for Embedded Inferior Vena Cava Filter Removal: Initial Results from a Prospective Study** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
  Kuo, W. T., Odegaard, J. I., Louie, J. D., Sze, D. Y., Unver, K., Kothary, N., Rosenberg, J. K., Hovsepian, D. M., Hwang, G. L., Hofmann, L. V.
  2011; 22 (6): 813-823

- **Educational Course Therapy: Implanted Target Surrogates for Radiation Treatment Verification**
  Wang, Z., Kothary, N.
  WILEY.2011: 3791-+

- **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

- **C-arm Computed Tomography for Hepatic Interventions: A Practical Guide** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
  Tognolini, A., Louie, J., Hwang, G., Hofmann, L., Sze, D., Kothary, N.
  2010; 21 (12): 1817-1823

- **Renewing Focus on Resident Education: Increased Responsibility and Ownership in Interventional Radiology Rotations Improves the Educational Experience** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
  Kothary, N., Ghatan, C. E., Hwang, G. L., Kuo, W. T., Louie, J. D., Sze, D. Y., Hovsepian, D. M., Desser, T. S., Hofmann, L. V.
  2010; 21 (11): 1697-1702

- **Development of New Hepaticoenteric Collateral Pathways after Hepatic Arterial Skeletonization in Preparation for Yttrium-90 Radioembolization** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
  Abdelmaksoud, M. H., Hwang, G. L., Louie, J. D., Kothary, N., Hofmann, L. V., Kuo, W. T., Hovsepian, D. M., Sze, D. Y.
  2010; 21 (9): 1385-1395

- **Computed Tomography-Guided Percutaneous Needle Biopsy of Indeterminate Pulmonary Pathology: Efficacy of Obtaining a Diagnostic Sample in Immunocompetent and Immunocompromised Patients** *CLINICAL LUNG CANCER*
  Kothary, N., Bartos, J. A., Hwang, G. L., Dua, R., Kuo, W. T., Hofmann, L. V.
  2010; 11 (4): 251-256

- **Alternatives to Surgery for Early Stage Non-Small Cell Lung Cancer-Ready for Prime Time?** *CURRENT TREATMENT OPTIONS IN ONCOLOGY*
  Das, M., Abdelmaksoud, M. H., Loo, B. W., Kothary, N.
  2010; 11 (1-2): 24-35

- **Dose and Image Quality in C-Arm CT Rotational Angiography**
  Fahrig, R., Girard-Hughes, E., Ganguly, A., Tognolini, A., Kothary, N.
  WILEY.2010: 3413-3414

- **Making the Case for Early Medical Student Education in Interventional Radiology: A Survey of 2nd-year Students in a Single US Institution** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
  Ghatan, C. E., Kuo, W. T., Hofmann, L. V., Kothary, N.
  2010; 21 (4): 549-553

- **Utility of C-arm CT in Patients with Hepatocellular Carcinoma undergoing Transhepatic Arterial Chemoembolization** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
  Tognolini, A., Louie, J. D., Hwang, G. L., Hofmann, L. V., Sze, D. Y., Kothary, N.

2010; 21 (3): 339-347

- **Computed Tomography-Guided Percutaneous Needle Biopsy of Pulmonary Nodules: Impact of Nodule Size on Diagnostic Accuracy** *CLINICAL LUNG CANCER*
  Kothary, N., Lock, L., Sze, D. Y., Hofmann, L. V.
  2009; 10 (5): 360-363
- **A Primer on Image-guided Radiation Therapy for the Interventional Radiologist** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
  Kothary, N., Dieterich, S., Louie, J. D., Koong, A. C., Hofmann, L. V., Sze, D. Y.
  2009; 20 (7): 859-862
- **Incorporating Cone-beam CT into the Treatment Planning for Yttrium-90 Radioembolization** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
  Louie, J. D., Kothary, N., Kuo, W. T., Hwang, G. L., Hofmann, L. V., Goris, M. L., Iagaru, A. H., Sze, D. Y.
  2009; 20 (5): 606-613
- **Percutaneous Implantation of Fiducial Markers for Imaging-Guided Radiation Therapy** *AMERICAN JOURNAL OF ROENTGENOLOGY*
  Kothary, N., Dieterich, S., Louie, J. D., Chang, D. T., Hofmann, L. V., Sze, D. Y.
  2009; 192 (4): 1090-1096
- **Safety and Efficacy of Percutaneous Fiducial Marker Implantation for Image-guided Radiation Therapy** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
  Kothary, N., Heit, J. J., Louie, J. D., Kuo, W. T., Loo, B. W., Koong, A., Chang, D. T., Hovsepian, D., Sze, D. Y., Hofmann, L. V.
  2009; 20 (2): 235-239
- **Radiologic Monitoring of Hepatocellular Carcinoma Tumor Viability after Transhepatic Arterial Chemoembolization: Estimating the Accuracy of Contrast-enhanced Cross-sectional Imaging with Histopathologic Correlation** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
  Hunt, S. J., Yu, W., Weintraub, J., Prince, M. R., Kothary, N.
  2009; 20 (1): 30-38
- **Catheter-directed embolectomy, fragmentation, and thrombolysis for the treatment of massive pulmonary embolism after failure of systemic thrombolysis** *CHEST*
  Kuo, W. T., Van den Bosch, M. A., Hofmann, L. V., Louie, J. D., Kothary, N., Sze, D. Y.
  2008; 134 (2): 250-254
- **Complications of ablative therapies in lung cancer** *CLINICAL LUNG CANCER*
  Padda, S., Kothary, N., Donington, J., Cannon, W., Loo, B. W., Kee, S., Wakelee, H.
  2008; 9 (2): 122-126
- **Transarterial chemoembolization for primary hepatocellular carcinoma in patients at high risk** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
  Kothary, N., Weintraub, J. L., Susman, J., Rundback, J. H.
  2007; 18 (12): 1517-1526
- **A novel endovascular adjustable polytetrafluoroethylene-covered stent for the management of hepatic encephalopathy after transjugular intrahepatic portosystemic shunt** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
  Weintraub, J. L., Mobley, D. G., Weiss, M. E., Swanson, E., Kothary, N.
  2007; 18 (4): 563-566
- **Re: Renal angiomyolipoma - Long-term results after arterial embolization - Response** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
  Kothary, N., Soulen, M. C., Stavropoulos, S. W.
  2005; 16 (8): 1154
- **Re:: Renal angiomyolipoma -: Long-term results after arterial embolization** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
  Kónya, A.
  2005; 16 (8): 1153-1154
- **Heparin in interventional radiology: a therapy in evolution.** *Seminars in interventional radiology*
  Resnick, S. B., Resnick, S. H., Weintraub, J. L., Kothary, N.

2005; 22 (2): 95-107

- **Renal angiomyolipoma: Long-term results after arterial embolization** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
  Kothary, N., Soulen, M. C., Clark, T. W., WEIN, A. J., Shlansky-Goldberg, R. D., Crino, P. B., Stavropoulos, S. W.
  2005; 16 (1): 45-50
- **Interventional radiology: management of biliary complications of liver transplantation.** *Seminars in interventional radiology*
  Kothary, N., Patel, A. A., Shlansky-Goldberg, R. D.
  2004; 21 (4): 297-308
- **Conventional and perfusion MR imaging of parafalcine chondrosarcoma** *AMERICAN JOURNAL OF NEURORADIOLOGY*
  Kothary, N., Law, M., Cha, S., Zagzag, D.
  2003; 24 (2): 245-248
- **Strongyloides stercoralis hyperinfection** *RADIOGRAPHICS*
  Kothary, N. N., Muskie, J. M., Mathur, S. C.
  1999; 19 (4): 1077-1081