



Justin Ruey Tse

Assistant Professor of Radiology (Body Imaging)

CLINICAL OFFICE (PRIMARY)

- **Dept Of Radiology**

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Bio

CLINICAL FOCUS

- Genitourinary Cancers
- Liver Neoplasms
- Gastrointestinal Hemorrhage
- Body Imaging

ACADEMIC APPOINTMENTS

- Assistant Professor - University Medical Line, Radiology
- Member, Stanford Cancer Institute

HONORS AND AWARDS

- Morton A. Bosniak Research Award, Society of Abdominal Radiology (SAR) (2022)
- ESGAR Top 20, European Society of Gastrointestinal and Abdominal Radiology (2021)
- Resident Research Grant, Radiological Society of North America (RSNA) (2019)
- President's Award: Resident in Radiology Award, American Roentgen Ray Society (ARRS) (2019)
- Roentgen Resident Research Award, Radiological Society of North America (RSNA) (2019)
- Goldberg-Reeder Resident Travel Grant, American College of Radiology (ACR) (2019)
- Dox Foundation Travel Grant: Dar es Salaam, Tanzania, Doximity (2018)
- Case of the Day 2nd Place Winner, Society of Abdominal Radiology (SAR) (2018)
- Abstract Travel Award, Radiological Society of North America (RSNA) (2017)
- Alexander R. Margulis GI Paper Presenter Award, Society of Abdominal Radiology (SAR) (2015)
- Leo G. Rigler Award for Excellence in Radiological Sciences, UCLA David Geffen School of Medicine (2015)
- Alpha Omega Alpha Honor Medical Society, Alpha Omega Alpha (AOA) (2014)

- Carolyn L. Kuckein Student Research Fellowship, Alpha Omega Alpha (AOA) (2014)
- Research Medical Student Grant, Radiological Society of North America (RSNA) (2014)
- Summa cum laude, University of California (2011)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, ACR US LI-RADS (2021 - present)
- Member, Society of Abdominal Radiology (SAR) GI Bleed Disease Focused Panel (2022 - present)
- Member, Society of Abdominal Radiology (SAR) Renal Cell Carcinoma Disease Focused Panel (2020 - present)

PROFESSIONAL EDUCATION

- Board Certification: Diagnostic Radiology, American Board of Radiology (2021)
- Fellowship, UCLA David Geffen School of Medicine , Abdominal Imaging / Cross Sectional Interventional Radiology (2021)
- Residency, Stanford University , Diagnostic Radiology (2020)
- MD, UCLA David Geffen School of Medicine , Medicine (2015)

Publications

PUBLICATIONS

- **Differentiation of Hepatocellular Adenoma Subtypes and Focal Nodular Hyperplasia on Gadoxetate Disodium-Enhanced MRI: An Updated Diagnostic Algorithm.** *AJR. American journal of roentgenology*
Cao, J. J., Shen, L., Yoon, L., Kamaya, A., Tse, J. R.
2024
- **Diagnostic performance of CT/MRI LI-RADS v2018 in non-cirrhotic steatotic liver disease.** *European radiology*
Cao, J., Shon, A., Yoon, L., Kamaya, A., Tse, J. R.
2024
- **The Role of Imaging for Gastrointestinal Bleeding: Consensus Recommendations From the American College of Gastroenterology and Society of Abdominal Radiology** *AMERICAN JOURNAL OF GASTROENTEROLOGY*
Sengupta, N., Kastenber, D. M., Bruining, D. H., Latorre, M., Leighton, J. A., Brook, O. R., Wells, M. L., Guglielmo, F. F., Naringrekar, H. V., Gee, M. S., Soto, J. A., Park, S., Yoo, et al
2024; 119 (3): 438-449
- **The Role of Imaging for GI Bleeding: ACG and SAR Consensus Recommendations.** *Radiology*
Sengupta, N., Kastenber, D. M., Bruining, D. H., Latorre, M., Leighton, J. A., Brook, O. R., Wells, M. L., Guglielmo, F. F., Naringrekar, H. V., Gee, M. S., Soto, J. A., Park, S. H., Yoo, et al
2024; 310 (3): e232298
- **Beta-Catenin-Mutated Hepatocellular Adenomas at Hepatobiliary Phase MRI: A Systematic Review and Meta-Analysis.** *Journal of magnetic resonance imaging : JMRI*
Shen, L., Altmayer, S., Tse, J. R.
2024
- **Beta-Catenin-Mutated Hepatocellular Adenomas at Hepatobiliary Phase MRI: A Systematic Review and Meta-Analysis** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
Shen, L., Altmayer, S., Tse, J. R.
2024
- **Split scar sign to predict complete response in rectal cancer after neoadjuvant chemoradiotherapy: systematic review and meta-analysis.** *European radiology*
Torri, G. B., Wiethan, C. P., Langer, F. W., de Oliveira, G. S., Meirelles, A. V., Horvat, N., Tse, J. R., Basso, A. D., Altmayer, S.
2023
- **Troubleshooting VA-ECMO on CTA.** *AJR. American journal of roentgenology*
Tse, J. R., Shen, J.

2023

- **MRI with DWI improves detection of liver metastasis and selection of surgical candidates with pancreatic cancer: a systematic review and meta-analysis.** *European radiology*
Altmayer, S., Armelin, L. M., Pereira, J. S., Carvalho, L. V., Tse, J., Balthazar, P., Francisco, M. Z., Watte, G., Hochegger, B.
2023
- **Accuracy of Information Provided by ChatGPT Regarding Liver Cancer Surveillance and Diagnosis.** *AJR. American journal of roentgenology*
Cao, J. J., Kwon, D. H., Ghaziani, T. T., Kwo, P., Tse, G., Kesselman, A., Kamaya, A., Tse, J. R.
2023
- **Hepatocellular Adenomas: Molecular Basis and Multimodality Imaging Update.** *Radiographics : a review publication of the Radiological Society of North America, Inc*
Tse, J. R., Felker, E. R., Naini, B. V., Shen, L., Shen, J., Lu, D. S., Kamaya, A., Raman, S. S.
2023; 43 (3): e220134
- **Bosniak Classification, Version 2019 Class IIF: Follow-up Strategy Should be Revised.** *The Journal of urology*
Tse, J. R., Shen, L.
2023: 101097JU00000000000003365
- **Growth Kinetics of Pancreatic Neuroendocrine Neoplasms by Histopathologic Grade.** *Pancreas*
Cao, J. J., Shen, L., Visser, B. C., Yoon, L., Kamaya, A., Tse, J. R.
2023; 52 (2): e135-e143
- **Hepatic Adenomas With Hepatobiliary Phase Iso- or Hyperintensity: Standardized Definitions Are Required.** *AJR. American journal of roentgenology*
Tse, J. R.
2023: 1
- **Outcomes of Bosniak Classification Version 2019 Class IIF Cystic Renal Masses at Imaging Surveillance.** *AJR. American journal of roentgenology*
Shen, L., Yoon, L., Chung, B. I., Kamaya, A., Tse, J. R.
2022
- **Thoracic Endovascular Aortic Repair for Chronic Type B Aortic Dissection: Pre- and Postprocedural Imaging.** *Radiographics : a review publication of the Radiological Society of North America, Inc*
Shen, J., Mastrodicasa, D., Al Bulushi, Y., Lin, M. C., Tse, J. R., Watkins, A. C., Lee, J. T., Fleischmann, D.
2022; 42 (6): 1638-1653
- **Hepatocellular Adenoma Subtypes Based on 2017 Classification System: Exploratory Study of Gadoxetate Disodium-Enhanced MRI Features With Proposal of a Diagnostic Algorithm.** *AJR. American journal of roentgenology*
Tse, J. R., Felker, E. R., Cao, J. J., Naini, B. V., Liang, T., Lu, D. S., Raman, S. S.
2022
- **Outcomes of LI-RADS US-2 Subthreshold Observations Detected on Surveillance Ultrasound.** *AJR. American journal of roentgenology*
Tse, J. R., Shen, L., Bird, K. N., Yoon, L., Kamaya, A.
2022
- **Editorial Comment: Clear Cell Likelihood Score-Another Step Towards Non-Invasive Risk Stratification.** *AJR. American journal of roentgenology*
Tse, J. R.
2022
- **Nyquist sampling theorem and Bosniak classification, version 2019: effect of thin axial sections on categorization and agreement.** *European radiology*
Tse, J. R., Shen, L., Shen, J., Yoon, L., Kamaya, A.
2022
- **ACR-RADS Programs Current State and Future Opportunities: Defining a Governance Structure to Enable Sustained Success.** *Journal of the American College of Radiology : JACR*
Davenport, M. S., Chatfield, M., Hoang, J., Maturen, K. E., Obuchowski, N., Tse, J., Weinreb, J., Kaur, D., Attridge, L., Kurth, D., Larson, D.
2022
- **Colonoscopy Versus Catheter Angiography for Lower Gastrointestinal Bleeding After Localization on CT Angiography.** *Journal of the American College of Radiology : JACR*

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- Tse, J. R., Felker, E. R., Tse, G. G., Liang, T., Shen, J., Kamaya, A.
2022
- **Growth Kinetics and Progression Rate of Bosniak Classification, Version 2019 III and IV Cystic Renal Masses on Imaging Surveillance.** *AJR. American journal of roentgenology*
Tse, J. R., Shen, L., Shen, J., Yoon, L., Chung, B. I., Kamaya, A.
2022
 - **CT Angiography of Venoarterial Extracorporeal Membrane Oxygenation.** *Radiographics : a review publication of the Radiological Society of North America, Inc*
Shen, J., Tse, J. R., Chan, F., Fleischmann, D.
2021: 210079
 - **Regulatory Frameworks for Development and Evaluation of Artificial Intelligence-Based Diagnostic Imaging Algorithms: Summary and Recommendations** *JOURNAL OF THE AMERICAN COLLEGE OF RADIOLOGY*
Larson, D. B., Harvey, H., Rubin, D. L., Irani, N., Tse, J. R., Langlotz, C. P.
2021; 18 (3): 413–24
 - **Extravasation Volume at Computed Tomography Angiography Correlates With Bleeding Rate and Prognosis in Patients With Overt Gastrointestinal Bleeding.** *Investigative radiology*
Tse, J. R., Shen, J. n., Shah, R. n., Fleischmann, D. n., Kamaya, A. n.
2021
 - **Prevalence of Malignancy and Histopathologic Association of Bosniak Classification, Version 2019 Class III and IV Cystic Renal Masses.** *The Journal of urology*
Tse, J. R., Shen, L., Shen, J., Yoon, L., Kamaya, A.
2020: 101097JU00000000000001438
 - **Bosniak Classification of Cystic Renal Masses Version 2019: Comparison of Categorization using CT and MRI.** *AJR. American journal of roentgenology*
Tse, J. R., Shen, J. n., Shen, L. n., Yoon, L. n., Kamaya, A. n.
2020
 - **Bosniak Classification Version 2019 of Cystic Renal Masses Assessed With MRI.** *AJR. American journal of roentgenology*
Tse, J. R., Shen, J. n., Yoon, L. n., Kamaya, A. n.
2020: 1–7
 - **Qualitative and Quantitative Gadoteric Acid-enhanced MR Imaging Helps Subtype Hepatocellular Adenomas** *RADIOLOGY*
Tse, J. R., Naini, B. V., Lu, D. S., Raman, S. S.
2016; 279 (1): 118-127
 - **Stiffness Gradients Mimicking In Vivo Tissue Variation Regulate Mesenchymal Stem Cell Fate** *PLOS ONE*
Tse, J. R., Engler, A. J.
2011; 6 (1)
 - **Preparation of hydrogel substrates with tunable mechanical properties.** *Current protocols in cell biology*
Tse, J. R., Engler, A. J.
2010; Chapter 10: Unit 10 16-?
 - **Hereditary renal mass syndromes: a pictorial review.** *Abdominal radiology (New York)*
Yoon, A. H., Tse, J. R.
2024
 - **Large language models' responses to liver cancer surveillance, diagnosis, and management questions: accuracy, reliability, readability.** *Abdominal radiology (New York)*
Cao, J. J., Kwon, D. H., Ghaziani, T. T., Kwo, P., Tse, G., Kesselman, A., Kamaya, A., Tse, J. R.
2024
 - **Gastrointestinal devices: common and uncommon foreign bodies.** *Abdominal radiology (New York)*
Shen, L., Aslan, E., Cao, J. J., Shen, J., Tse, J. R.
2024

- **Computed tomography versus ultrasound for the diagnosis of acute cholecystitis: a systematic review and meta-analysis.** *European radiology*
de Oliveira, G. S., Torri, G. B., Gandolfi, F. E., Dias, A. B., Tse, J. R., Francisco, M. Z., Hochhegger, B., Altmayer, S.
2024
- **World Health Organization (WHO) 2022 Classification Update: Radiologic and Pathologic Features of Papillary Renal Cell Carcinomas.** *Academic radiology*
Shen, L., Yoon, L., Mullane, P. C., Liang, T., Tse, J. R.
2024
- **Correction to: Split scar sign to predict complete response in rectal cancer after neoadjuvant chemoradiotherapy: systematic review and meta-analysis.** *European radiology*
Torri, G. B., Wiethan, C. P., Langer, F. W., de Oliveira, G. S., Meirelles, A. V., Horvat, N., Tse, J. R., Dias, A. B., Altmayer, S.
2024
- **Retrospective Tube Current Modulation Optimization of Individualized Organ-Level CT Dose and Image Quality**
Wang, S., Medrano, M., Imran, A., Stevens, G., Tse, J., Wang, A. S., Fahrig, R., Sabol, J. M., Li, K.
SPIE-INT SOC OPTICAL ENGINEERING.2024
- **Personalized, Scout-Based Dose Estimation for Prospective Optimization of CT Tube Current Modulation**
Medrano, M., Wang, S., Imran, A., Stevens, G., Tse, J., Wang, A., Fahrig, R., Sabol, J. M., Li, K.
SPIE-INT SOC OPTICAL ENGINEERING.2024
- **Discrepant guidelines in the evaluation of hematuria.** *Abdominal radiology (New York)*
Brown, T. A., Tse, J. R.
2023
- **Reply to "Improving Accuracy in ChatGPT".** *AJR. American journal of roentgenology*
Cao, J. J., Kamaya, A., Tse, J. R.
2023: 1-2
- **Risk of malignancy in T1-hyperintense Bosniak version 2019 class II and IIF cystic renal masses.** *Abdominal radiology (New York)*
Shen, L., Tse, J. R., Lemieux, S., Yoon, L., Mullane, P. C., Liang, T., Davenport, M. S., Pedrosa, I., Silverman, S. G.
2023
- **External Validation of a Five-Tiered CT Algorithm for the Diagnosis of Clear-Cell Renal Cell Carcinoma: A Retrospective Five-Reader Study.** *AJR. American journal of roentgenology*
Lemieux, S., Shen, L., Liang, T., Lo, E., Chu, Y., Kamaya, A., Tse, J. R.
2023
- **Diagnostic performance of the "drooping" sign in CT diagnosis of exophytic renal angiomyolipoma.** *Abdominal radiology (New York)*
Shen, L., Nawaz, R., Tse, J. R., Negrete, L. M., Lubner, M. G., Toia, G. V., Liang, T., Wentland, A. L., Kamaya, A.
2023
- **Diagnostic performance of hypoechoic perinephric fat as a predictor of prediabetes and diabetes.** *Abdominal radiology (New York)*
Shen, L., Tse, J. R., Negrete, L. M., Shon, A., Yoon, L., Liang, T., Kamaya, A.
2022
- **Positive predictive value of LI-RADS US-3 observations: multivariable analysis of clinical and imaging features.** *Abdominal radiology (New York)*
Tse, J. R., Shen, L., Tiyyarattanachai, T., Bird, K. N., Liang, T., Yoon, L., Kamaya, A.
2022
- **Imaging Challenges in Chronic Dissection.** *Seminars in roentgenology*
Shen, J., Mastrodicasa, D., Tse, J. R., Fleischmann, D.
2022; 57 (4): 345-356
- **Predictive value and prevalence of refractive edge shadow in diagnosis of ovarian dermoids.** *Abdominal radiology (New York)*
Shen, L., Tse, J. R., Negrete, L. M., Lo, E., Yoon, L., Kamaya, A.
2022
- **Proportion of malignancy in Bosniak classification of cystic renal masses version 2019 (v2019) classes: systematic review and meta-analysis.** *European radiology*

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- McGrath, T. A., Bai, X., Kamaya, A., Park, K. J., Park, M. Y., Tse, J. R., Wang, H., McInnes, M. D., Schieda, N.
2022
- **Clinical and ultrasound features of dermoid-associated adnexal torsion.** *Abdominal radiology (New York)*
Shen, L., Tse, J. R., Negrete, L. M., Flory, M. N., Yoon, L., Kamaya, A.
2022
 - **Safety of percutaneous, image-guided biopsy of hepatocellular carcinoma with and without concurrent ablation.** *Abdominal radiology (New York)*
Tse, J. R., Terashima, K., Shen, L., McWilliams, J. P., Lu, D. S., Raman, S. S.
2022
 - **Evaluation of early sonographic predictors of gangrenous cholecystitis: mucosal discontinuity and echogenic pericholecystic fat.** *Abdominal radiology (New York)*
Tse, J. R., Gologorsky, R., Shen, L., Bingham, D. B., Jeffrey, R. B., Kamaya, A.
1800
 - **Cystic artery velocity as a predictor of acute cholecystitis.** *Abdominal radiology (New York)*
Perez, M. G., Tse, J. R., Bird, K. N., Liang, T., Brooke Jeffrey, R., Kamaya, A.
2021
 - **Does measurement of the hepatic artery velocity improve the sonographic diagnosis of cholangitis?** *Abdominal radiology (New York)*
Tse, J. R., Liang, T. n., Jeffrey, R. B., Kamaya, A. n.
2019
 - **Performance of Hepatic Artery Velocity in Evaluation of Causes of Markedly Elevated Liver Tests.** *Ultrasound in medicine & biology*
Tse, J. R., Jeffrey, R. B., Kamaya, A.
2018
 - **Bayonet sign in dysphagia lusoria.** *Abdominal radiology (New York)*
Tse, J. R., Desser, T. S.
2018
 - **The utility of hepatic artery velocity in diagnosing patients with acute cholecystitis.** *Abdominal radiology (New York)*
Loehfelm, T. W., Tse, J. R., Jeffrey, R. B., Kamaya, A. n.
2017
 - **Effects of vocal fold epithelium removal on vibration in an excised human larynx model** *JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA*
Tse, J. R., Zhang, Z., Long, J. L.
2015; 138 (1): EL60-EL64
 - **Rituximab: an emerging treatment for recurrent diffuse alveolar hemorrhage in systemic lupus erythematosus** *LUPUS*
Tse, J. R., Schwab, K. E., McMahon, M., Simon, W.
2015; 24 (7): 756-759
 - **Microstructure Characterization of a Decellularized Vocal Fold Scaffold for Laryngeal Tissue Engineering** *LARYNGOSCOPE*
Tse, J. R., Long, J. L.
2014; 124 (8): E326-E331
 - **Pancytopenia secondary to cytomegalovirus reactivation.** *BMJ case reports*
Tse, J. R., Ng, G. X.
2014; 2014