

Yuan-Mao Lin, MD

Diagnostic and Interventional Radiology

The University of Texas MD Anderson Cancer Center

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Education and Postgraduate Training

Fellowships

- **Clinical Fellow, Department of Interventional Radiology**, University of Texas MD Anderson Cancer Center, Houston, USA
July 01, 2023 – June 30, 2025
- **Research Fellow, Department of Interventional Radiology**, University of Texas MD Anderson Cancer Center, Houston, USA (Supervisor: Dr. Bruno Odisio)
January 28, 2020 – June 30, 2023
- **Abdominal Radiology Fellow, Department of Radiology**, Taipei Veterans General Hospital, Taipei, Taiwan (Supervisor: Dr. Rheun-Chuan Lee)
September 1, 2019 – December 31, 2019

Residencies

- Department of Radiology, Taipei Veterans General Hospital, Taipei, Taiwan
August 3, 2015 – August 31, 2019
- Department of Primary Care Medicine, Mackay Memorial Hospital, Taipei, Taiwan
August 1, 2013 – July 31, 2014

Medical Internship

- Department of Medical Research and Education, Taipei Veterans General Hospital, Taipei, Taiwan
June 1, 2012 – May 31, 2013

Doctor of Medicine (M.D.)

- School of Medicine, National Yang-Ming University, Taipei, Taiwan
September 1, 2006 – June 30, 2013

Honors and Awards

- **RSNA R&E Foundation Roentgen Resident/Fellow Research Award**
RSNA (2024 & 2025)
- **Interventional Oncology Essential Scholarship**
Society of Interventional Oncology Annual Meeting, Las Vegas, NV, USA (January 2025)
- **Editor's Recognition Award**
Radiology: Imaging Cancer (March 2024)
- **Oral presentation Award**
Trainee Research Day, The University of Texas MD Anderson Cancer Center, Houston, TX, USA (March 2024)
- **Interventional Oncology Essential Scholarship**
Society of Interventional Oncology Annual Meeting, Long Beach, CA, USA (January 2024)
- **Best Oral Presentation Award (First Prize)**
Trainee Research Day, The University of Texas MD Anderson Cancer Center, Houston, TX, USA (March 2023)
- **Oral Presentation Award**
Asian Conference on Tumor Ablation, Chiayi, Taiwan (October 2019)
- **“Invest in the Youth” programme Scholarship**
European Congress of Radiology, Vienna, Austria (March 2018)
- **Best Scientific Exhibition (Silver)**
The 6th Asian Congress of Abdominal Radiology, Busan, Korea (April 2017)
- **Young Investigator Award**
The 6th Asian Congress of Abdominal Radiology, Busan, Korea (April 2017)

Peer Review Activities

- Radiology: Imaging Cancer (Trainee Editorial Board) (2023 – Present)
- Reviewer of Abdominal Radiology (2024-Present)
- Reviewer of Frontiers in Oncology (2023 – Present)
- Reviewer of International Journal of Hyperthermia (2024 - Present)
- Reviewer of European Radiology (2017 – 2018)

Publications

- Odisio BC, Albuquerque J, **Lin YM**, Anderson BM, O'Connor CS, Rigaud B, Briones-Dimayuga M, Jones AK, Fellman BM, Huang SY, Kuban J, Metwalli ZA, Sheth R, Habibollahi P, Patel M, Shah KY, Cox VL, Kang HC, Morris VK, Kopetz S, Javle MM, Kaseb A, Tzeng CW, Cao HT, Newhook T, Chun YS, Vauthey JN, Gupta S, Paolucci I, Brock KK. Software-based versus visual assessment of the minimal ablative margin in patients with liver tumours undergoing percutaneous thermal ablation (COVER-ALL): a randomised phase 2 trial. Lancet Gastroenterol Hepatol. 2025 Mar 13:S2468-1253(25)00024-X.
- Paolucci I, Albuquerque Marques Silva J, **Lin YM**, Shieh A, Ierardi AM, Caraffiello G, Gazzera C, Jones KA, Fonio P, Bale R, Brock KK, Calandri M, Odisio BC. Quantitative Ablation Confirmation Methods in Percutaneous Thermal Ablation of Malignant Liver Tumors: Technical Insights, Clinical Evidence, and Future Outlook. Radiol Imaging Cancer. 2025 May;7(3):e240293.
- **Lin YM**, Paolucci I, Albuquerque Marques Silva J, O'Connor CS, Hong J, Shah KY, Abdelsalam ME, Habibollahi P, Jones KA, Brock KK, Odisio BC. Ablative margin quantification using deformable versus rigid image registration in colorectal liver metastasis thermal ablation: a retrospective single-center study. Eur Radiol. 2024 Feb 9.
- Paolucci I, Albuquerque Marques Silva J, **Lin YM**, Laimer G, Cignini V, Menchini F, Meira M, Shieh A, O'Connor C, Jones KA, Gazzera C, Fonio P, Brock KK, Calandri M, Menezes M, Bale R, Odisio BC. Identification of A0 minimum ablative margins for colorectal liver metastases: multicentre, retrospective study using deformable CT

registration and artificial intelligence-based autosegmentation. Br J Surg. 2024 Aug 30.

- Albuquerque J, **Lin YM**, Paolucci I, O'Connor CS, Tzeng CW, Vauthey JN, Brock KK, Odisio BC. Incidental Ring-hyperenhancing Liver Micronodules at CT Hepatic Arteriography-guided Percutaneous Thermal Ablation of Colorectal Liver Metastases. Radiol Imaging Cancer. 2024 Mar.
- **Lin YM**, Paolucci I, Albuquerque Marques Silva J, O'Connor CS, Fellman BM, Jones AK, Kuban JD, Huang SY, Metwalli ZA, Brock KK, Odisio BC. Intraprocedural Versus Initial Follow-up Minimal Ablative Margin Assessment After Colorectal Liver Metastasis Thermal Ablation: Which One Better Predicts Local Outcomes? Invest Radiol. 2023 Oct 9.
- Paolucci I, **Lin YM**, Albuquerque Marques Silva J, Brock KK, Odisio BC. Bayesian parametric models for survival prediction in medical applications. BMC Med Res Methodol. 2023 Oct 26.
- **Lin YM**, Fellman BM, Taiji R, Paolucci I, Silva JAM, Koay EJ, Avritscher R, Mahvash A, Holliday EB, Lee SS, Kaseb AO, Das P, Vauthey JN, Odisio BC. Salvage Locoregional Therapy Following Progression After Radiotherapy for Hepatocellular Carcinoma Is Associated with Improved Outcomes. J Gastrointest Surg. 2023 Jun 2.
- Paolucci I, Albuquerque Marques Silva J, **Lin YM**, Fellman BM, Jones KA, Tatsui CE, Weinberg JS, Ruiz J, Tan J, Brock KK, Bale R, Odisio BC. Study Protocol STEREO LAB: Stereotactic Liver Ablation Assisted with Intra-Arterial CT Hepatic Arteriography and Ablation Confirmation Software Assessment. Cardiovasc Intervent Radiol. 2023 Aug 10.
- **Lin YM**, Paolucci I, O'Connor CS, Anderson BM, Rigaud B, Fellman BM, Jones KA, Brock KK, Odisio BC. Ablative Margins of Colorectal Liver Metastases Using Deformable CT Image Registration and Autosegmentation. Radiology. 2023 Jan 31.
- Mosconi C, O'Rourke J, Kloeckner R, Sturm L, Golfieri R, Celsa C, Fateen W, Odisio BC, Garanzini EM, Peck-Radosavljevic M, Borghi A, Ma YT, Stoeher F, Bettinger D, Giuffrida P, Aithal GP, **Lin YM**, Spreafico C, Giampalma E, Johnson P, Cucchetti A. Textbook Outcome After Transarterial Chemoembolization for Hepatocellular

Carcinoma. Cardiovasc Intervent Radiol. 2023 Feb 27.

- Taiji R, **Lin YM**, Chintalapani G, Lin EY, Huang SY, Mahvash A, Avritscher R, Liu CA, Lee RC, Resende V, Nishiofuku H, Tanaka T, Kichikawa K, Klotz E, Gupta S, Odisio BC. A novel method for predicting hepatocellular carcinoma response to chemoembolization using an intraprocedural CT hepatic arteriography-based enhancement mapping: a proof-of-concept analysis. Eur Radiol Exp. 2023 Jan 30.
- Paolucci I, **Lin YM**, Jones AK, Brock KK, Odisio BC. Use of Contrast Media During CT-guided Thermal Ablation of Colorectal Liver Metastasis for Procedure Planning is Associated with Improved Immediate Outcomes. Cardiovasc Intervent Radiol. 2023 Jan 6.
- **Lin YM**, Odisio BC, Sofocleous CT (2022) Radiofrequency Ablation, Electroporation, and Microwave Ablation. In: Vauthey J-N, Kawaguchi Y, Adam R, (eds) Colorectal Liver Metastasis. Springer International Publishing, Cham, pp 377-387. (Book chapter)
- Paolucci I, **Lin YM**, Kawaguchi Y, Maki H, Jones AK, Calandri M, Kopetz S, Newhook TE, Brock KK, Vauthey JN, Odisio BC. Targeted exome-based predictors of patterns of progression of colorectal liver metastasis after percutaneous thermal ablation. Br J Cancer. 2022 Nov 1.
- **Lin YM**, Paolucci I, Anderson BM, O'Connor CS, Rigaud B, Briones-Dimayuga M, Jones KA, Brock KK, Fellman BM, Odisio BC. Study Protocol COVER-ALL: Clinical Impact of a Volumetric Image Method for Confirming Tumour Coverage with Ablation on Patients with Malignant Liver Lesions. Cardiovasc Intervent Radiol. 2022 Sep 4.
- Anderson BM, Rigaud B, **Lin YM**, Jones AK, Kang HC, Odisio BC, Brock KK. Automatic segmentation of colorectal liver metastasis and liver ablation on contrast-enhanced CT images. Front Oncol. 2022 Aug 11.
- **Lin YM**, Bale R, Brock KK, Odisio BC. Contemporary evidence on colorectal liver metastases ablation: toward a paradigm shift in locoregional treatment. Int J Hyperthermia. 2022.
- **Lin YM**, Paolucci I, Brock KK, Odisio BC. Image-Guided Ablation for Colorectal Liver Metastasis: Principles, Current Evidence, and the Path Forward. Cancers. 2021.

- Taiji R, Lin EY, **Lin YM**, Yevich S, Avritscher R, Sheth RA, Ruiz JR, Jones AK, Chintalapani G, Nishiofuku H, Tanaka T, Kichikawa K, Gupta S, Odisio BC. Combined Angio-CT Systems: A Roadmap Tool for Precision Therapy in Interventional Oncology. Radiol Imaging Cancer. 2021 Sep.
- Anderson BM, **Lin YM**, Lin EY, Cazoulat G, Gupta S, Jones AK, Odisio BC, Brock KK. A novel use of biomechanical model based deformable image registration (DIR) for assessing colorectal liver metastases ablation outcomes. Med Phys. 2021 Aug 3.
- **Lin YM**, Lin EY, Tseng HS, Lee RC, Huang HE, Wang SE, Shyr YM, Liu CA. Preventive covered stent placement at the gastroduodenal artery stump in angiogram-negative sentinel hemorrhage after pancreaticoduodenectomy. Abdom Radiol (NY). 2021 May 26.
- **Lin YM**, Taiji R, Calandri M, Odisio BC. Tumor Biomarkers and Interventional Oncology: Impact on Local Outcomes for Liver and Lung Malignancy. Curr Oncol Rep. 2021 Apr 15.
- **Lin YM**, Chiou YY, Wu MH, Huang SS, Shen SH. Postablation assessment of hepatocellular carcinoma using dual-energy CT: Comparison of half versus standard iodine contrast medium. Plos One. 2019 Jul 9.
- **Lin YM**, Chiou YY, Wu MH, Huang SS, Shen SH. Attenuation values of renal parenchyma in virtual noncontrast images acquired from multiphase renal dual-energy CT: Comparison with standard noncontrast CT. Eur J Radiol 2018.
- **Lin YM**, Guo WY. Longitudinal MR Follow-up of Pallister-Hall Syndrome: From Fetus to Childhood. Journal of Radiological Science; 2017.
- **Lin YM**, Chiu NC, Li AFY, Liu CA, Chou YH, Chiou YY. Unusual gastric tumors and tumor-like lesions: Radiological with pathological correlation and literature review. World J Gastroenterol 2017.

Invited Lecture

- Anatomical Modeling to Improve the Precision of Image Guided Liver Ablation: A COVER-ALL Clinical Trial Update. The Image Guided Cancer Therapy (IGCT) Research Program Seminar, The University of Texas MD Anderson Cancer Center,

Houston, TX, USA (June 2022)

- Image-Guided Ablation for Colorectal Liver Metastasis: Principles, Current Evidence, and the Path Forward. Keynote speech of Radiology, Taipei Veterans General Hospital, Taipei, Taiwan (Nov 2021)