

Jennifer Cindy Lai
CURRICULUM VITAE



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Position: Associate Professor of Medicine in Residence
Division of Gastroenterology/Hepatology, University of California-San Francisco

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EDUCATION:

1996-2000	Stanford University	B.S.	Biology
2001-2005	Tufts University School of Medicine	M.D., M.B.A.	
2005-2006	New York Presbyterian Hospital-Columbia	Intern	Internal Medicine
2006-2008	New York Presbyterian Hospital-Columbia	Resident	Internal Medicine
2008-2011	University of California, San Francisco	Fellow	Gastroenterology
2009-2010	University of California, San Francisco	Advanced Training in Clinical Research	
2011-2012	University of California, San Francisco	Fellow	Advanced/Transplant Hepatology

EMPLOYMENT

2012-2014	Assistant Professor	HS Clinical track, University of California, San Francisco
2014-2018	Assistant Professor	In Residence, University of California, San Francisco
2018-present	Associate Professor	In Residence, University of California, San Francisco

LICENSES, CERTIFICATIONS:

2006	Medical licensure, New York (inactive)
2008	Medical licensure, California (active)
2008	Internal Medicine Board Certification (exp 2018)
2011	Gastroenterology Board Certification (exp 2021)
2013	Transplant Hepatology Board Certification (exp 2023)

HONORS AND AWARDS:

2004	Alpha Omega Alpha Honor Society
2005	American Women's Medical Association Achievement Award
2005	Martin J. Loeb Memorial Prize in Medicine (Tufts University School of Medicine)
2005	Physician of the Year Nomination (NYPH-Columbia)
2006	Circle of Excellence in Medical Student Teaching Award (NYPH-Columbia)
2007	Award in Excellence in Clinical Teaching (NYPH-Columbia)
2008	Award in Excellence in Ambulatory Care (NYPH-Columbia)
2011	International Liver Transplantation Society Vanguard Top Abstract Prize
2013	T. Franklin Williams Scholars Award
2014	Older Americans Independence Center Junior Faculty Scholarship Award
2014	UCSF Pepper Center Associate Scholar Genius Award
2015	American Geriatrics Society New Investigator Award
2015	Best Abstract Award, American Geriatrics Society Annual Meeting
2015	Top 40 under 40 Leader, San Francisco Business Times
2015	Young Investigator Award, International Liver Transplantation Society
2016	Clinical Science Career Development Award, American Society of Transplantation
2016	Poster of Distinction, The Liver Meeting

2017 American Federation for Aging Research Dorothy Dillon Eweson Lecturer on the Advances in Aging Research
 2017 Fellow, American Society of Transplantation

PROFESSIONAL ACTIVITIES

SERVICE TO THE UNIVERSITY OF CALIFORNIA SAN FRANCISCO

2011-2016	Small group leader	Medical Student GI & Nutrition course
2015-2017	Interviewer	Department of Medicine Internal Medicine Residency
2015-present	Member	Nutrition Committee, Moffitt Hospital
2016-present	Grant reviewer	Resource Allocation Program (RAP) Grants
2016	Instructor	Designing Clinical Research for Peking Union Medical College Hospital
2017	Lecturer	Asian American Pacific Islander Health Disparities Elective (MED 170.34A)
2018	Member	Abdominal Transplant Surgery Search Committee

PROFESSIONAL MEMBERSHIPS:

2001-present	Member	American Medical Association
2008-present	Member	American Gastroenterological Association (AGA)
2009-present	Member	American Association for the Study of Liver Disease
2009-present	Member	American Society of Transplantation (AST)
2010-present	Member	International Liver Transplantation Society (ILTS)
2013-present	Member	American Geriatrics Society (AGS)
2014-2016	Member-at-Large	American Society of Transplantation (AST)
		Liver and Intestinal Community of Practice (<i>a nationally elected position</i>)
2016	Abstract Reviewer	American Transplant Congress (AST)
2016-2018	Chair	AST Liver and Intestinal Community of Practice (<i>elected</i>)
2016-present	Member	AASLD Clinical Research Committee
2016-present	Member-at-large	AASLD Acute-on-Chronic Liver Failure Committee
2016-2018	Member	ILTS Vanguard Committee
2017-2018	Abstract Reviewer	American Transplant Congress (AST)
2017-2018	Abstract Reviewer	The Transplantation Society Annual Meeting
2017-2018	Abstract Reviewer	International Liver Transplantation Society Annual Meeting
2017	Chair	Emerging Trends Conference at The Liver Meeting
2018	Co-Chair	AST Frailty Consensus Conference in Solid Organ Transplantation
2018	Abstract Reviewer	AASLD Liver Meeting
2018	Chair	Emerging Trends Conference at The Liver Meeting
2018	Faculty	American Society of Transplantation Fellows' Symposium
2018	Lecturer	AASLD Transplant Hepatology Board Review Course
2018-present	Past Chair	AST Liver and Intestinal Community of Practice

SERVICE TO PROFESSIONAL PUBLICATIONS:

2010-present	Ad Hoc Reviewer, <i>American Journal of Transplantation</i>
2011-present	Ad Hoc Reviewer, <i>Liver Transplantation</i> (Top 25 Reviewer in 2015)
2012-present	Ad Hoc Reviewer, <i>Hepatology</i>
2014-present	Ad Hoc Reviewer, <i>Gastroenterology</i>
2015-2017	Associate Editor, <i>Transplantation</i>
2016-present	Editorial Board Member, <i>Liver Transplantation</i>
2016-present	Associate Editor, <i>American Journal of Transplantation</i>
2017-present	Ad Hoc Reviewer, <i>American Journal of Gastroenterology</i>
2017-present	Editorial Board Member, <i>Hepatology</i>

OTHER EXPERIENCE

2015-2017	Consultant	Third Rock Ventures, LLC
2018	Advisory Board	Axcella Health, Inc

CME COURSES ATTENDED:

2008	Outcomes Research in Gastroenterology, Chicago, IL
2009	The Liver Meeting, Boston, MA
2010	Young Investigators' Forum, Breckenridge, CO
2010	Academic Skills Workshop, Houston, TX
2011	Young Investigators' Forum, Breckenridge, CO
2011	American Transplant Congress, Philadelphia, PA
2011	International Liver Transplantation Society Meeting, Valencia, Spain
2012	Liver Meeting, San Francisco, CA
2013	Clinical Nutrition Week, Phoenix, AZ
2013	International Liver Congress, Amsterdam, Netherlands
2013	ACG Annual Meeting, San Diego, CA
2013	AASLD Liver Meeting, Washington D.C.
2014	AGS Annual Meeting, Orlando, FL
2015	AGS Annual Meeting, Baltimore, MD
2015	American Transplant Congress, Philadelphia, PA
2015	International Liver Transplantation Society Annual Meeting, Chicago, IL
2015	AASLD Liver Meeting, San Francisco, CA
2016	International Liver Transplantation Society Annual Meeting, Seoul, KO
2016	American Transplant Congress, Boston, MA
2016	AASLD Liver Meeting, Boston, MA
2017	American Transplant Congress, Chicago, IL
2017	International Liver Transplantation Society Annual Meeting, Prague, CZR
2017	AASLD Liver Meeting, Washington DC
2018	American Transplant Congress, Seattle, WA

INVITED PRESENTATIONS (selected)

2008	"Organ Donation Policy: Through the Ethical Looking Glass." Jay Melzer Ethics Series; New York Presbyterian Hospital-Columbia
2008	"Ready for Change: What You Need to Know About Residency Unions." New York Presbyterian Hospital-Columbia
2009	"Recurrent Hepatitis C." UCSF Gastroenterology Grand Rounds
2010	"Gender Differences in Liver Transplantation." UCSF Gastroenterology Grand Rounds
2011	"Liver Offers on the Liver Transplant Wait-List." Updates in Liver Transplantation Conference
2012	"Frailty: The Sixth Vital Sign." UCSF Gastroenterology Grand Rounds
2014	"Liver Transplant Economics 101." UCSF Department of Surgery Grand Rounds
2015	"Frailty in Transplantation." American Geriatrics Society Annual Meeting
2015	"Geriatric Hepatology". UCSF Gastroenterology Grand Rounds
2015	"Updates in Hepatitis B and C." UCSF Asian Health Symposium
2016	"Using Frailty to Define Too Sick to Transplant." Visiting Professor, Duke University
2016	"Using Frailty to Define Too Sick to Transplant." UCSF Department of Medicine Grand Rounds
2016	"Liver Disease in Pregnancy." Clovis Community Hospital Updates in Gastroenterology
2016	"After the operation: Acute on Chronic Liver Failure." International Anesthesia Research Society Annual Meeting
2016	"Assessing Frailty and Risk in the Face of Obesity." American Transplant Congress
2016	"Optimizing Nutrition and Physical Function: Recovering from Frailty." American Transplant Congress
2016	"How does one measure frailty?" American Transplant Congress
2016	"Frailty in Transplantation." UCSF Transplant Symposium
2016	"Frailty in Liver Transplantation." UCSF Tony Bass Napa Transplant Symposium

2016	“Transplanting the High MELD Patient.” AASLD Liver Meeting
2017	“Too Sick for Transplant: Frailty, Nutrition, and Predictor Score Assessments.” ATC
2017	“Nutrition Issues in Advanced Liver Diseases”. AASLD Clinical Hepatology Update
2017	“Co-morbid Conditions and Aging.” AASLD Single Topic Conference
2017	“When is Transplant a Futile Option and Enough is Enough.” AASLD Liver Meeting
2017	“Frailty: The Sixth Vital Sign.” AASLD Webinar
2017	“Transplant for the Very Sick Patient: No Limitations in Donor Quality?” AASLD/ILTS Transplant Course – Liver Meeting
2017	“Optimizing Outcomes in the Deconditioned Cirrhotic.” AASLD Liver Meeting
2017	“Sarcopenia and Support for the Cirrhotic Patient in the Intensive Care Unit” AASLD Liver Meeting
2017	“Frailty 101.” AASLD Liver Meeting
2017	“Frailty in Transplantation.” Workshop on Functional Assessment to Define Therapeutic Goals and Treatment, Washington DC
2017	“Frailty and Sarcopenia in Patients with Cirrhosis.” Northern California Clinical Gastroenterology Society Post-AASLD Review Meeting
2018	“Models for a Frailty Score in Solid Organ Transplantation.” AST Frailty Consensus Conference in Solid Organ Transplantation
2018	“Management of Cirrhosis in the Older Adult.” Banner Health Symposium in Liver Disease, Phoenix, AZ

COMMUNITY/PUBLIC SERVICE

2009-2012	Volunteer Clinic Preceptor, Hepatitis B Free Clinic at UCSF-Mount Zion Medical Center.
2012-present	Mentor, San Francisco State Guardian Scholars Program for Emancipated Foster Youth
2017	East Bay Community Foundation Grant Reviewer

RESEARCH ACTIVITIES:

RESEARCH GRANTS:

CURRENT:

R01AG059183	06/15/2018-06/14/2023
NIH / NIA	\$713,556
<i>Predicting post-transplant mortality and global functional health based on pre-transplant functional status in liver transplantation</i>	
The aim of this project is to associate pre-transplant functional status with mortality and functional recovery after liver transplantation in a multi-center cohort of liver transplant recipients.	
K23 AG48337 (Lai)	09/15/2014-04/30/2019
NIH / NIA	\$137,641/year
<i>Frailty and Functional Status in Older Liver Transplant Patients</i>	
The aim of this project is to measure frailty and functional status in a cohort of older liver transplant patients.	
Paul B. Beeson Career Development Award in Aging (Lai)	9/15/2014-4/30/2019
American Federation for Aging Research	\$10,000/year
<i>Frailty and Functional Status in Older Liver Transplant Patients</i>	
This award is a companion award to K23 AG14014 to directly support activities related to Dr. Lai’s career development in aging.	
Pilot Award	11/01/2017-10/31/2018
Mendez National Transplantation Institute Foundation	\$60,000/year
<i>A Pilot Randomized Trial for a Home-Based, Structured Exercise Intervention to Improve Physical Frailty in Liver Transplant Patients: Multi-center expansion</i>	

The aim of this project is to establish the research infrastructure for a pre-habilitation intervention for liver transplant candidates at 2 other liver transplant centers in the United States.

SUBMITTED:

R21 DK115995 (PI: Lai)
NIDDK

Scored February 2018

A Laboratory Frailty Index for Patients with End-Stage Liver Disease

COMPLETED:

Sylvia Allison Kaplan Clinical Research Fund (Lai)
Northern California Kaiser Permanente

09/01/2009-09/01/2011
\$15,000 direct

Transplant Hepatology Fellowship (Lai)
American Association for the Study of Liver Diseases

07/01/2011-06/30/2012
\$60,000 direct

Clinical Research Award (Lai)
American College of Gastroenterology

07/01/2011-06/30/2013
\$35,000 direct

Chronic Inflammation Related to Chronic Hepatitis C and Risk of Bone Disease

The goal of this study is to evaluate the association between chronic inflammation, chronic hepatitis C, and rates of metabolic bone disease and markers of bone turnover.

Pilot/Feasibility Award (Lai)
UCSF Liver Center

06/01/2013-05/31/2014
\$25,000 direct

Free 25(OH)D: A More Accurate Marker of Vitamin D Status in Cirrhotics?

The aims of this study are to measure free 25(OH)D in patients with cirrhosis and associated this level with markers of bone metabolism.

Pilot Award (Lai)
UCSF Older Americans Independence Center

01/01/2014-12/31/2014
\$10,000 direct

The Prognostic Utility of Geriatric Assessments of Functional Status in Older Liver Transplant Patients

The aim of this award is to measure frailty and functional status in a cohort of older liver transplant patients.

Junior Faculty Career Development Award (Lai)
American College of Gastroenterology

07/01/2012-06/30/2015
\$75,000 direct

Frailty Assessment in Liver Transplant Candidates

The goal of this study is to apply measures of frailty to liver transplant candidates of all ages and investigate its association with wait-list mortality.

Pilot Junior Investigator Award (Lai)
UCSF Research Evaluation and Allocation Committee

02/01/2013-10/31/2014
\$30,000 direct

Frailty Assessment in Liver Transplant Candidates

The goal of this study is to compare laboratory- versus clinic-based measures of functional status.

R03 AG045072 (Lai)
NIH / NIA

09/01/2013-08/30/2015
\$50,000 direct

Global Functional Status in the Older Liver Transplant Candidate

The aims of this project are to measure and compare the rate of functional decline in older versus younger liver transplant candidates and evaluate the association between this rate with wait-list mortality.

T. Franklin Williams Scholars Award (Lai)
T. Franklin Williams Scholars Program

09/01/2013-08/30/2015
\$25,000 direct

This award is intended to support career development in aging research as it related to the investigator's aims as detailed in R03 AG045072.

Faculty Career Development Award (Lai)	07/01/2016-06/30/2017
American Society of Transplantation	\$50,000 (salary support only)
<i>A Home-Based, Structured Exercise Intervention to Improve Physical Frailty in Liver Transplant Patients</i>	
The aim of this project is to develop a home-based, structured exercise intervention to improve physical frailty in cirrhotics and test the feasibility and explore its efficacy in a pilot cohort of patients awaiting liver transplantation.	
Research Career Development Advanced Scholar	07/01/2016-06/30/2017
UCSF Pepper Center for Aging Research	\$25,000 (project support)
<i>Development of a Home-Based, Structured Exercise Intervention to Improve Physical Frailty in Liver Transplant Patients</i>	
This award supports the development of the home-based exercise intervention developed using the Faculty Career Development Award by AST.	
Pilot Award for Clinical and Translational Research	06/01/2017-05/31/2018
UCSF Resource Allocation Program	\$40,000
<i>A Pilot Randomized Trial for a Home-Based, Structured Exercise Intervention to Improve Physical Frailty in Liver Transplant Patients</i>	
This award supports a pilot RCT of the home-based exercise intervention to improve physical function in patients with end-stage liver disease.	
Patient Cohort Expansion Award	07/01/2016-06/30/2018
UCSF Department of Medicine	\$50,000/year
<i>A Biorepository for the Functional Assessment in Liver Transplantation (FrAILT) Study to Investigate Mechanisms of Frailty in Patients with Cirrhosis</i>	
The aim of this project is to initiate a biorepository of biospecimens from patients enrolled in the FrAILT Study.	
AGA-Elsevier Pilot Research Award	07/01/2017-06/30/2018
American Gastroenterological Association	\$25,000
<i>A Laboratory Frailty Index for Patients with End-Stage Liver Disease</i>	
The aim of this project is explore laboratory biomarkers of frailty in patients with cirrhosis.	

PEER REVIEWED PUBLICATIONS:

1. **Lai JC**, Montero A, Lebwohl B, Brown RS Jr. A novel housestaff educational model for quaternary-care patients at an academic health center. *Acad Med.* 2009 Feb; 84(2):206-11. [PMID: 19174667](#).
2. **Lai JC**, Pichardo EM, Emond, JC, Brown RS Jr. Resource utilization of living donor versus deceased donor liver transplantation is similar at an experienced transplant center. *Am J Transplant.* 2009 Mar; 9(3):586-91. [PMID: 19191773](#).
3. Monto A, Schooley RT, **Lai JC**, Sulkowski MS, Chung RT, Pawlotsky JM, McHutchinson JG, Jacobson IM. Lessons from HIV therapy applied to viral hepatitis therapy: Summary of a Workshop. *Am J Gastroenterol* 2010 May; 105(5):989-1004. [PMID: 20087331](#).
4. **Lai JC**, Terrault NA, Vittinghoff E, Biggins SW. Height contributes to the gender difference in wait-list mortality under the MELD-based liver allocation system. *Am J Transplant* 2010 Dec; 10(12):2658-64. [PMID: 21087414](#); [PMCID: 3059496](#).
5. **Lai JC**, Feng S, Roberts JP, Terrault NA. Gender differences in liver donor quality are predictive of graft loss. *Am J Transplant* 2011 Feb; 11(2): 296-302. [PMID: 21219572](#); [PMCID: 3076602](#).
6. **Lai JC**, Verna EC, Brown RS Jr., O'Leary JG, Trotter JF, Forman LM, Duman JD, Foster RG, Stravitz RT, Terrault NA for the ConsoRtiUm to Study Health Outcomes in HCV Liver Transplant Recipients (CRUSH-C). Hepatitis C virus-infected women have a higher risk of advanced fibrosis and graft loss after liver transplantation than men: A Multicenter Cohort Study. *Hepatology* 2011 Apr; 54(2): 418-24. [PMID: 21538434](#); [PMCID: 3144983](#).
7. Brandman D, Pingitore A, **Lai JC**, Roberts JP, Ferrell L, Bass N, Terrault NA. Steatosis at one year is an additional predictor of subsequent fibrosis severity in liver transplantation recipients with recurrent hepatitis C virus. *Liver Transpl* 2011 Dec;17(12):1380-6. [PMID: 21770018](#); [PMCID: 3712627](#).
8. Saxena V, **Lai JC**, Verna EC, Brown RS, Jr., Stravitz RT, Terrault NA. Race mismatch in

- African-Americans predicts post-liver transplantation graft loss, but not hepatitis C virus disease severity. *Liver Transpl* 2012 May; 18(5):524-31. PMID: 22140019; PMCID: 3314141.
9. **Lai JC**, Roberts JP, Vittinghoff E, Terrault NA, Feng S. Patient, Center, and Geographic Characteristics of Nationally Placed Livers. *Am J Transplant* 2012 Apr;12(4):947-53. PMID: 22300591; PMCID: 3689311.
 10. **Lai JC**, O'Leary JG, Trotter JF, Verna EC, Brown RS, Jr., Stravitz RT, Duman JD, Forman LM, Terrault NA for the Consortium to Study Health Outcomes in HCV Liver Transplant Recipients (CRUSH-C). Risk of Advanced Fibrosis with Grafts from Hepatitis C Antibody Positive Donors: A Multicenter Cohort Study. *Liver Transpl* 2012 May; 18(5):532-8. PMID: 22271671; PMCID: 3334393.
 11. Verna EC, Valadao R, Farrand E, Pichardo EM, **Lai JC**, Terrault NA, Brown RS Jr. Effects of ethnicity and socioeconomic status on survival and severity of fibrosis in liver transplant recipients with hepatitis C virus. *Liver Transpl* 2012 Apr; 18(4):461-7. PMID: 22467547; PMCID: 3674870.
 12. **Lai JC**, Feng S, Roberts JP. An Examination of Liver Offers to Candidates on the Liver Transplant Wait-List. *Gastroenterology* 2012 Nov; 143(5): 1261-5. PMID: 22841780; PMCID: 3480537.
 13. Halldorson JB, Dodge JL, Paarsch HJ, Segre A, **Lai JC**, Roberts JP. Center competition and outcome following liver transplantation. *Liver Transpl* 2013 Jan; 19(1): 96-104. PMID: 23086897; PMCID: 4141491.
 14. **Lai JC**, Feng S, Vittinghoff E, Roberts JP. Offer patterns of nationally placed livers by donation service area. *Liver Transpl* 2013 Apr; 19(4): 404-10. PMID: 23447450; PMCID: 3689315.
 15. **Lai JC**, Kahn JG, Tavakol M, Peters MG, Roberts JP. Reducing infection transmission in solid organ transplantation through donor nucleic acid testing: A cost-effectiveness analysis. *Am J Transplant* 2013 Oct; 13(10):2611-8. PMID: 24034208; PMCID: 4091990.
 16. Schwartz J, **Lai JC**, Lizaola B, Kane L, Weyland P, Terrault NA, Stotland N, Bikle D. Variability in Free 25(OH)Vitamin D Levels in Clinical Populations. *J Steroid Biochem Mol Biol* 2014 Oct; 144 Pt A:156-8. PMID: 24240067; PMCID: 4022715.
 17. Sharpton SR, Feng S, Hameed B, Yao F, **Lai JC**. Combined Effects of Recipient Age and Model for End-Stage Liver Disease Score on Liver Transplantation Outcomes. *Transplantation* 2014 Sep;98(5): 557-62. PMID: 24717221; PMCID: 4461209.
 18. Schwartz JB, **Lai JC**, Lizaola B, Kane L, Markova S, Weyland P, Terrault NA, Stotland N, Bikle D. A comparison of direct and calculated free 25-OH vitamin D levels in clinical populations. *J Clin Endocrinol Metab* 2014 May; 99(5): 1631-7. PMID: 24483159; PMCID: 4010704.
 19. **Lai JC**, Feng S, Terrault NA, Lizaola B, Hayssen H, Covinsky K. Frailty predicts wait-list mortality in liver transplant candidates. *Am J Transplant* 2014 Aug; 14(8): 1870-9. PMID: 24935609; PMCID: 4107151.
 20. Campos-Varela I, **Lai JC**, Verna EC, O'Leary JG, Stravitz RT, Forman LM, Trotter JF, Brown, Jr., RS, Terrault NA for the Consortium to Study Health Outcomes in HCV Liver Transplant Recipients (CRUSH-C). Hepatitis C Genotype Influences Post-Liver Transplant Outcomes. *Transplantation* 2015 Apr; 99(4): 835-40. PMID: 25211520; PMCID: 4672637.
 21. **Lai JC**, Shoback DM, Zipperstein J, Lizaola B, Tseng S, Terrault NA. Bone Mineral Density, Bone Turnover, and Systemic Inflammation in Non-Cirrhotics with Chronic Hepatitis C. *Dig Dis Sci* 2015 Jun; 60(6):1813-9. PMID: 25563723; PMCID: 4797945.
 22. **Lai JC**, Covinsky KE, Hayssen H, Lizaola B, Dodge JL, Roberts JP, Terrault NA, Feng S. Clinician Assessments of Health Status Predict Mortality in Patients with End-Stage Liver Disease Awaiting Liver Transplantation. *Liver International* 2015 Sep; 35(9):2167-73. PMID: 25644788; PMCID: 4517979.
 23. Volk ML, Goodrich N, **Lai JC**, Sonnenday C, Shedden K. Decision support for organ offers in liver transplantation. *Liver Transpl*. 2015 Jun; 21(6):784-91. PMID: 25779757; PMCID: 4744650.
 24. Bissell DM, **Lai JC**, Meister RK, Blanc PD. Role of Delta-Aminolevulinic Acid in the Symptoms of Acute Porphyria. *Am J Med*. 2015 Mar; 128(3):313-7. PMID: 25446301; PMCID: 4339446.
 25. **Lai JC**, Bikle DD, Lizaola B, Hayssen H, Terrault NA, Schwartz JB. Total 25(OH) Vitamin D, Free 25(OH) Vitamin D, and Markers of Bone Turnover in Cirrhotics With and Without Synthetic Dysfunction. *Liver International* 2015 Oct; 35(10):2294-300. PMID: 25757956; PMCID: 4567539.
 26. Wang C, Covinsky K, Feng S, Hayssen H, Segev D, **Lai JC**. Functional Impairment in Older Liver Transplant Candidates: From the Functional Assessment in Liver Transplant (FrAILT) Study. *Liver Transplantation* 2015 Dec; 21(12):1465-70. PMID: 26359787; PMCID: 4715618.
 27. Kwong A, **Lai JC**, Dodge JL, Roberts JP. Outcomes for Liver Transplant Candidates with Low MELD. *Liver Transplantation* 2015 Nov; 21(11):1403-9. PMID: 26289624; PMCID: 4838198.
 28. **Lai JC**, Dodge JL, Sen S, Covinsky K, Feng S. Functional Decline in Patients with Cirrhosis Awaiting Liver Transplantation: Results from the Functional Assessment in Liver Transplantation (FrAILT) Study. *Hepatology* 2016 Feb; 63(2):574-80. PMID: 26517301; PMCID: 4718851.
 29. **Lai JC**, Roberts JP. ABO Non-Identical Liver Transplantation in the United States. *Am J Transplant* 2016 Aug; 16(8):2430-6. PMID: 26932134; PMCID: 5298790.
 30. Wang CW, Feng S, Covinsky KE, Hayssen H, Zhao LQ, Yeh BM, **Lai JC**. A Comparison of Muscle Function, Mass, and Quality in Liver Transplant Candidates: From the Functional Assessment in Liver Transplantation (FrAILT) Study. *Transplantation* 2016 Aug; 100(8):1692-8. PMID: 27314169; PMCID: 4962324.

31. Kathpalia P, Smith A, **Lai JC**. Underutilization of palliative care services in the liver transplant population. *World J Transplant* 2016 Sep 24; 6(3):594-8. [PMID: 27683638](#); [PMCID: 5036129](#).
32. **Lai JC**, Volk ML, Strasburg D, Alexander N. Performance-based measures associate with frailty in patients with end-stage liver disease. *Transplantation* 2016 Dec; 100(12): 2656-60. [PMID: 27495749](#); [PMCID: 5118057](#).
33. Salazar J, Saxena V, Kahn JG, Roberts JP, Mehta N, Volk M, **Lai JC**. Cost-Effectiveness of Direct-Acting Anti-viral Treatment in Hepatitis C-Infected Liver Transplant Candidates with Hepatocellular Carcinoma. *Transplantation* 2017 May; 101(5):1001-8. [PMID: 27926593](#); [PMCID: 5403544](#).
34. Samoylova ML, Covinsky KE, Haftek M, Kuo S, Roberts JP, **Lai JC**. Disability in patients with end-stage liver disease: Results from the Functional Assessment in Liver Transplantation (FrAILT) Study. *Liver Transplantation* 2017 Mar; 23(3):292-8. [PMID: 27884053](#); [PMCID: 5325797](#).
35. Kuo SZ, Haftek M, **Lai JC**. Factors associated with medication non-adherence in patients with end-stage liver disease. *Dig Dis Sci* 2017 Feb; 62(2):543-9. [PMID: 27933471](#); [PMCID: 5263169](#).
36. Pavasini R, Guralnik J, Brown JC, Mauro DB, Cesari M, Landi F, Vaes B, Legrand D, Vergheze J, Wang C, Sternhold S, Ferrucci L, **Lai JC**, Bartes AA, Espauella J, Ferrer Montserrat, Lim JY, Ensrud KE, Cawthon P, Turusheva A, Frolova E, Rolland Y, Lauwers V, Corsonello A, Kirk GD, Ferrari R, Volpato S, Campo G. Short physical performance battery and all-cause mortality: Systematic review and meta-analysis. *BMC Med* 2016 Dec 22; 14(1):215. [PMID: 28003033](#); [PMCID: 5178082](#).
37. Sinclair M, Poltavskiy E, Dodge JL, **Lai JC**. Frailty is independently associated with increased hospitalization days in patients on the liver transplant waitlist. *World J Gastroenterol* 2017 Feb; 23(5):899-905. [PMID: 28223735](#); [PMCID: 5296207](#).
38. Carey E*, **Lai JC*** (co-first authors), Wang C, Dasarathy S, Lobach I, Montano-Loza AJ, Dunn MA. A multi-center study to define sarcopenia in patients with end-stage liver disease: From the Fitness, Life Enhancement, and Exercise in Liver Transplantation (FLEXIT) Consortium. *Liver Transplantation* 2017 May; 23(5):625-33. [PMID: 28240805](#); [PMCID: 5762612](#).
39. Spengler EK, O'Leary J, Te H, Rogal SS, Pillai A, Al-Osaimi A, Desai A, Fleming J, Ganger D, Seetharam A, Tsoulfas G, Martin M, **Lai JC**. Liver Transplantation in the Obese Cirrhotic Patient. *Transplantation* 2017 Oct; 101(10):2288-96. [PMID: 28930104](#); [PMCID: 5762611](#).
39. Bajaj JC, O'Leary JG, Tandon P, Wong F, Garcia-Tsao G, Kamath PS, Maliakkal B, Biggins SW, Thuluvath PJ, Fallon MB, Subramanian RM, Vargas HE, **Lai JC**, Thacker LR, Reddy KR. Hepatic Encephalopathy is associated with mortality in patients with cirrhosis independent of other extrahepatic organ failures. *Clin Gastro Hep* 2017 Apr; 15(4):565-74. [PMID: 27720916](#).
40. **Lai JC**, Covinsky KE, Dodge JL, Boscardin WJ, Segev DL, Roberts JP, Feng S. Development of a novel frailty index to predict mortality in patients with end-stage liver disease. *Hepatology* 2017 Aug; 66(2):564-74. [PMID: 28422306](#); [PMCID: 5519430](#).
41. Ge J, Roberts JP, **Lai JC**. Race/ethnicity is associated with ABO non-identical liver transplantation in the United States. *Clin Transplant* 2017 Aug; 31(8). [PMID: 28517242](#).
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