Stanford



Marc L. Melcher

Stanford Department of Surgery Professor

Surgery - Abdominal Transplantation

CLINICAL OFFICE (PRIMARY)

- **Multi Organ Transplant**

  300 Pasteur Dr Rm A160

  Boswell Clinic

  Palo Alto, CA 94304

  Tel (650) 498-5688 **Fax** (650) 498-5690

ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

  Beatrice Popescu - Administrative Associate 3

  Email bpopescu@stanford.edu

  Tel (650) 498-7878

Bio

BIO

I am committed to figuring out how more people can benefit from liver and kidney transplants. Patients are dying while waiting for these organs.

Therefore, my clinical and research efforts are focused on increasing the number of patients whose lives can be saved with transplantation.

CLINICAL FOCUS

- Liver Transplantation
- Kidney Transplantation
- Hepatobiliary
- Transplant Surgery

ACADEMIC APPOINTMENTS

- Professor-Univ Med Line, Surgery - Abdominal Transplantation

ADMINISTRATIVE APPOINTMENTS

- Division Chief, Stanford Abdominal Transplant Surgery, (2023- present)
- Program Director, Stanford Abdominal Transplant Surgery Fellowship, (2019-2025)
- Program Director, Stanford Surgery Residency, (2011-2019)
- Associate Program Director, Stanford Multi-Organ Transplant Fellowship, (2010-2019)
- Associate Program Director, Stanford Surgery Residency, (2006-2011)
- Administrative Chief Resident, Stanford Surgery Residency, (2003-2004)

HONORS AND AWARDS

- President, San Francisco Surgical Society (2019-20)
- John Austin Collins, Award for "academic mentorship, teaching, and dedication to resident training.", Stanford Surgery (2019)
- Stanford Medicine Program Director GME Award, Stanford Graduate Medical Education (2019)

- Vice-President, San Francisco Surgical Society (2016-17)
- Member, Society of University Surgeons (2015 -)
- Surgery Chiefs Award for leadership, mentorship, and dedication., Stanford Surgery (2013)
- Member, Pacific Coast Surgical Society (2012 -)
- Program Director, San Francisco Surgical Society (2010-11)
- Poster of Distinction, American Transplant Congress (2010)
- Member, San Francisco Surgical Society (2009-)
- Fellow, American College of Surgeons (2009 -)
- Member, Transplantation Society (2009 -)
- Member, Association for Academic Surgery (2007-)
- Member, American Society of Transplant Surgeons (2004-)
- Alpha Omega Alpha, Columbia Medical School (1999)
- Harvard College Scholarship, Harvard College (1988)
- Thomas J. Watson Scholarship, Harvard College (1985-1989)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Committer Member, UNOS Kidney/Pancreas Committee (2025 - present)
- Member, Transplant Advisory Committee of the American Board of Surgery (2025 - present)
- Co-Chair, Business Practice Committee, American Society of Transplant Surgeons (2022 - 2025)
- Council Member, Transplant Accreditation & Certification Council (2022 - 2025)
- President, San Francisco Surgical Society (2019 - 2020)
- Chair, Curriculum Committee, American Society of Transplant Surgery (2016 - 2019)
- Board Member, National Kidney Registry (2015 - 2018)

PROFESSIONAL EDUCATION

- Residency: Stanford University Dept of General Surgery (2004) CA
- Medical Education: Columbia University College of Physicians and Surgeons (1999) NY
- Board Certification: General Surgery, American Board of Surgery (2006)
- Fellowship, UC, San Francisco , Multi-organ Transplantation (2006)
- MD, Columbia University, P&S , Medicine (1999)
- PhD, Univ. of California, Berkeley , Molecular Biology (1995)
- BA, Harvard University , Biochemistry (1989)

COMMUNITY AND INTERNATIONAL WORK

- International Medicine, Guatemala

PATENTS

- Marc Melcher. "United States Patent 17075535 Quantification of Liver Steatosis from a biopsy using a Computer Imaging Platform", The Board of Trustees of the Leland Stanford Junior University, Apr 29, 2021

LINKS

- The Melcher Lab: https://melcherlab.stanford.edu
- Apps for Transplant Physicians: http://transplanttools.com

- Twitter Stream: https://twitter.com/marcmelchermd

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Broadly, I enjoy applying rigorous algorithms to the complex decision making processes in organ transplantation.

For example, I have studied ways to increase the impact of paired exchange kidney transplantation and ensure as many people as possible can benefit from it.

Currently, I am studying ways artificial intelligence can facilitate decision making in organ transplantation. There is potential to improve the assessment of donor organs, mortality risk, and outcomes prediction using innovations in AI.

CLINICAL TRIALS

- Delayed Blood Stem Transplantation in HLA Matched Kidney Transplant Recipients to Eliminate Immunosuppressive Drugs., Recruiting
- Emollient Therapy for Severe Acute Malnutrition, Not Recruiting
- Inducing Graft Tolerance in HLA Haplotype Matched Related and 3 Ag Matched Unrelated Living Donor Kidney Transplantation, Not Recruiting
- Adjunctive Application of BioFoam Surgical Matrix in Liver Surgery, Not Specified

PROJECTS

- AI facilitated assessment of donor liver histopathology - Stanford University

Teaching

STANFORD ADVISEES

Med Scholar Project Advisor

Nathaniel Porter

Postdoctoral Faculty Sponsor

Daniel Ahn

Publications

PUBLICATIONS

- **Using Transfer Learning and Data Augmentation to Detect Mitoses in Neuroendocrine Tumors Metastatic to the Liver**
  Klinkachorn, M., Kadri, H., Narayan, R., Tan, S., Melcher, M.
  LIPPINCOTT WILLIAMS & WILKINS.2026: S228-S229
- **In policy and in practice: expedited placement and allocation out of sequence in liver transplantation.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*
  Attia, A., Nakayama, T., Ahn, D. J., York, T., Wehrle, C. J., Cheng, X. S., Charu, V., Kwong, A. J., Stutchfield, B. M., Segev, D., Gentry, S., Melcher, M., Sasaki, et al
  2026
- **The Benefit of Sequential Normothermic Regional Perfusion and Hypothermic Machine Perfusion in Kidney Transplantation From Donation After Circulatory Death Donors.** *Clinical transplantation*
  Nakayama, T., Fu, S. J., Attia, A. M., Ahn, D. J., Pham, T. A., Melcher, M. L., Bozhilov, K. K., Sasaki, K.
  2026; 40 (8): e70641
- **Renal Resistance on Hypothermic Machine Perfusion and Acceptance of Deceased Donor Kidney Allografts**

Nakayama, T., Attia, A., Ahn, D., McCabe, M., Endo, Y., Kashyap, R., Pham, T., Melcher, M. L., Sasaki, K., Bekki, Y.
ELSEVIER SCIENCE INC.2026: S177

- **Portal-Venous Hypothermic Oxygenated Perfusion for Liver Transplant: A Randomized Clinical Trial.** *JAMA surgery*
  Reich, D. J., Mao, S., Satish, S., Nassar, A., Rizzari, M., Al-Adra, D. P., DiNorcia, J., Woloszyn, J., Doyle, M. B., Bohorquez, H., Mihaylov, P., Saharia, A., Merani, et al
  2026

- **Highly Sensitized Pediatric Kidney Candidates Have Reduced Access to Kidney Transplant in the United States.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*
  Nakayama, T., Ahn, D. J., Attia, A., Bozhilov, K. K., Kirchner, V. A., Sasaki, K., Busque, S., Melcher, M. L., Pham, T. A.
  2026

- **PREDICTING 90-DAY GRAFT LOSS IN PEDIATRIC LIVER RECIPIENTS USING MACHINE LEARNING MODEL BASED ON STABILITY-SELECTED PRE-TRANSPLANT FACTORS**
  Badshah, J., York, T., Adams, M., Tiao, G., Pham, T., Busque, S., Melcher, M., Kirchner, V.
  LIPPINCOTT WILLIAMS & WILKINS.2026: 177-178

- **Machine Learning Predictions for Assessing Hard-to Place Deceased Donor Kidneys** *KIDNEY MEDICINE*
  Guan, G., Studnia, J., Neelam, S., Cheng, X. S., Melcher, M. L., Agarwal, N., Somaini, P., Ashlagi, I.
  2026; 8 (4): 101276

- **Impact of Anti-Thymocyte Globulin (rATG) Induction Therapy vs. No Induction on Liver Transplant Outcomes: A single-center retrospective analysis**
  Mo, K. J., Wang, U., Phillips, J., Melcher, M. L.
  OXFORD UNIV PRESS INC.2026: S400

- **Evaluating the impact of donor obesity on liver transplantation outcomes: the role of donor gender and age.** *HPB : the official journal of the International Hepato Pancreato Biliary Association*
  Nakayama, T., Krist, D. T., Akabane, M., Imaoka, Y., Esquivel, C. O., Melcher, M. L., Sasaki, K.
  2026

- **Donor-Recipient Age Mismatch and Long-Term Graft Outcomes After Adolescent Liver Transplant.** *JAMA network open*
  Nakayama, T., Jensen, A. R., Attia, A., Ahn, D. J., Firl, D. J., Kwong, A., Charu, V., Melcher, M. L., Esquivel, C. O., Sasaki, K.
  2026; 9 (1): e2552779

- **Initial Experience with Routine Post-Operative Contrast Enhanced Ultrasound Following Pediatric Whole and Partial Deceased Donor Liver Transplant**
  York, T., Attia, A., Nakayama, T., Yu, J., Fu, S., Hanna, K., Ahn, D., Badshah, J., Ebel, N., Alrabadi, L., Czepiel, K., Melcher, M., Pham, et al
  ELSEVIER SCIENCE INC.2026

- **Machine Learning Model for Predicting 90-Day Graft Failure in Pediatric Liver Transplantation Using Stability-Selected Pre-Transplant Factors**
  Badshah, J., Lee, R., York, T., Pham, T., Melcher, M., Busque, S., Kirchner, V.
  ELSEVIER SCIENCE INC.2026

- **A UNOS Database Outcomes Analysis of DCD Liver Transplantation Using Sequential Normothermic Regional Perfusion and Normothermic Machine Perfusion Versus NRP Alone**
  Yu, J., Nakayama, T., Sasaki, K., Melcher, M., Bozhilov, K.
  ELSEVIER SCIENCE INC.2026

- **A UNOS Database Outcomes Analysis of DCD Liver Transplantation Using Normothermic Regional Perfusion Versus Normothermic Machine Perfusion**
  Yu, J., Nakayama, T., Sasaki, K., Melcher, M., Bozhilov., K.
  ELSEVIER SCIENCE INC.2026

- **Renal Resistance on Hypothermic Machine Perfusion and Acceptance of Deceased Donor Kidney Allografts.** *Journal of the American Society of Nephrology : JASN*
  Nakayama, T., Attia, A., Ahn, D. J., McCabe, M., Endo, Y., Kashyap, R. S., Pham, T. A., Melcher, M. L., Sasaki, K., Bekki, Y.
  2025

- **Dynamic predictions for assessing hard-to-place deceased donor kidneys**
  Guan, G., Studnia, J., Neelam, S., Cheng, X. S., Melcher, M. L., Agarwal, N., Somaini, P., Ashlagi, I.
  LIPPINCOTT WILLIAMS & WILKINS.2025: S55-S56

- **Insights from refusal patterns for deceased donor kidney offers**
  Guan, G., Neelam, S., Studnia, J., Cheng, X. S., Melcher, M. L., Rees, M. A., Roth, A. E., Somaini, P., Ashlagi, I.
  LIPPINCOTT WILLIAMS & WILKINS.2025: S54-S55

- **Survival Benefit of Accepting Livers From Donation After Circulatory Death Donors Older Than or Equal to 60 y in the United States.** *Transplantation*
  Nakayama, T., Esquivel, C. O., Melcher, M. L., Sasaki, K.
  2025

- **Organ Procurement Following the Centers for Medicare and Medicaid Services Performance Evaluations.** *JAMA surgery*
  Bae, H., Sweat, K. R., Melcher, M. L., Ashlagi, I.
  2025

- **Development and validation of a machine-learning model to reduce futile procurements in donations after circulatory death in liver transplantation in the USA: a multicentre study.** *The Lancet. Digital health*
  Yanagawa, R., Iwadoh, K., Nakayama, T., Firl, D. J., Wehrle, C. J., Bekki, Y., Soma, D., Kusakabe, J., Sambommatsu, Y., Endo, Y., Bozhilov, K. K., Pan, J. H., Kubota, et al
  2025: 100918

- **SPLIT LIVER TRANSPLANTATION USING MACHINE PERFUSION IN PEDIATRIC RECIPIENTS**
  Jensen, A., Nakayama, T., Bozhilov, K. K., Kirchner, V., Ebel, N., Melcher, M., Sasaki, K.
  WILEY.2025

- **Listing for Blood Type A2 Donors and Associated Waitlist Outcomes Among Blood Type O Liver Transplantation Candidates in the United States**
  Nakayama, T., Melcher, M., Sasaki, K.
  ELSEVIER SCIENCE INC.2025

- **Development and Validation of a Machine Learning Model to Reduce Futile Donation After Circulatory Death Procurements in Liver Transplantation**
  Sasaki, K., Yanagawa, R., Iwadoh, K., Nakayama, T., Melcher, M.
  ELSEVIER SCIENCE INC.2025

- **Re-Emergence of Early Liver Transplant Access for Hepatocellular Carcinoma in the Era of Normothermic Machine Perfusion: Time to Re-Define Allocation Policy?**
  Nakayama, T., Melcher, M., Sasaki, K.
  ELSEVIER SCIENCE INC.2025: S703

- **Usability Testing of a Novel Intraoperative Cooling System for Kidney Transplantation: A Qualitative Analysis**
  Freise, J., Sorrentino, T., Wendel, D., Hartelt, K., Melcher, M., Gardner, J., Hansen, K.
  ELSEVIER SCIENCE INC.2025

- **Can Current Preservation Techniques Expand Utilization of Liver Grafts Donated After Circulatory Death for Re-Transplant?**
  Krist, D. T., Nakayama, T., Melcher, M., Sasaki, K.
  ELSEVIER SCIENCE INC.2025: S497-S498

- **Economic Assessment of Hypothermic Oxygenated Machine Perfusion in Liver Transplantation**
  Axelrod, D., Reich, D., Schlegel, A., Mao, S., Hashimoto, K., Nassar, A., Foley, D., Florman, S., Arvelakis, A., de Vera, M., Pinna, A., Bohorquez, H., Roll, et al
  ELSEVIER SCIENCE INC.2025

- **Reframing Warm Ischemia: Defining "Out-of-Ice" Time by Temperature, Not Elapsed Minutes**
  Hansen, K., Baimas-George, M., Di Napoli, M., Abreu, P., Bababekov, Y., Melcher, M.
  ELSEVIER SCIENCE INC.2025

- **Survival Benefit of Accepting Livers from Donation After Cardiac Death Donors Older Than or Equal to 60 Years in the United States**
  Nakayama, T., Melcher, M., Sasaki, K.

ELSEVIER SCIENCE INC.2025

- **Precision Cooling in Robotic Kidney Transplantation: A Benchtop Model for Intraoperative Organ Protection**
  Sorrentino, T., Hartelt, K., Freise, J., Wendel, D., Melcher, M., Hansen, K.
  ELSEVIER SCIENCE INC.2025: S433-S434
- **Dynamic Predictions for Assessing Hard-to-Place Deceased Donor Kidneys**
  Guan, G., Studnia, J., Neelam, S., Cheng, X., Melcher, M., Somaini, P., Ashlagi, I.
  ELSEVIER SCIENCE INC.2025
- **Insights from Refusal Patterns for Deceased Donor Kidney Offers**
  Guan, G., Neelam, S., Studnia, J., Cheng, X., Melcher, M., Rees, M., Roth, A., Somaini, P., Ashlagi, I.
  ELSEVIER SCIENCE INC.2025
- **A UNOS Database Outcomes Analysis of DCD Liver Transplantation Using Sequential Normothermic Regional Perfusion and Normothermic Machine Perfusion versus NRP Alone**
  Yu, J., Nakayama, T., Sasaki, K., Melcher, M., Bozhilov, K.
  ELSEVIER SCIENCE INC.2025
- **Liver Transplantation Outcomes from Donation After Circulatory Death Recovered by Thoracoabdominal versus Abdominal Normothermic Regional Perfusion**
  Yu, J., Nakayama, T., Sasaki, K., Melcher, M., Bozhilov, K.
  ELSEVIER SCIENCE INC.2025
- **Impact of Hepatic Steatosis on Immune Profile of Perfused Livers**
  Badshah, J., Cywinska, G., Krist, D. T., Sasaki, K., Melcher, M., Bozhilov, K., Pham, T., Krams, S., Martinez, O., Kirchner, V.
  ELSEVIER SCIENCE INC.2025: S802-S803
- **Decreased Rejection Severity with Hypothermic Oxygenated Perfusion: Sub Analysis from a Pivotal Multicenter Trial of HOPE for Liver Transplantation**
  Reich, D. J., Schlegel, A., Mao, S., Hashimoto, K., Nassar, A., Rizzari, M., Foley, D., Florman, S., Arvelakis, A., de Vera, M., Pinna, A., Bohorquez, H., Roll, et al
  ELSEVIER SCIENCE INC.2025
- **A UNOS Database Outcomes Analysis of DCD Liver Transplantation Using Normothermic Regional Perfusion versus Normothermic Machine Perfusion**
  Yu, J., Nakayama, T., Sasaki, K., Melcher, M., Bozhilov, K.
  ELSEVIER SCIENCE INC.2025
- **Elucidating Molecular Mechanisms of Hepatocellular Recovery during NMP to Improve Liver Viability Assessment for Transplantation**
  Cywinska, G., Badshah, J., Krist, D. T., Sasaki, K., Melcher, M., Bozhilov, K., Pham, T., Krams, S., Martinez, O., Kirchner, V.
  ELSEVIER SCIENCE INC.2025
- **Split Liver Transplantation Using Machine Perfusion in Pediatric Recipients**
  Jensen, A. R., Nakayama, T., Bozhilov, K., Kirchner, V. A., Melcher, M. L., Sasaki, K.
  ELSEVIER SCIENCE INC.2025
- **Hypothermic-Oxygenated and Normothermic Machine Perfusion: A Risk-Matched Post-Hoc Comparison of the Bridge to Hope Randomized Trial with Prospectively Collected Institutional Outcomes**
  Wehrle, C. J., Mao, S., Satish, S., Hashimoto, K., Nassar, A., Rizzari, M., Foley, D., Florman, S., DeVera, M., Pinna, A., Reich, D., Bohorquez, H., Roll, et al
  ELSEVIER SCIENCE INC.2025: S86
- **Defining Stage Specific Molecular Pathways and Immunoprofile of HCC Using RNA Sequencing and Immune Deconvolution for Personalized Therapies**
  Badshah, J. S., Krist, D. T., Cywinska, G., Chow, B., Sasaki, K., Melcher, M., Bozhilov, K., Pham, T., Krams, S., Martinez, O., Kirchner, V.
  ELSEVIER SCIENCE INC.2025
- **Re-emergence of Early Liver Transplant Access for Hepatocellular Carcinoma in the Era of Normothermic Machine Perfusion.** *Journal of gastrointestinal surgery : official journal of the Society for Surgery of the Alimentary Tract*
  Nakayama, T., Hall, K. A., Wehrle, C. J., Esquivel, C. O., Melcher, M. L., Sasaki, K.

2025: 102142

- **Success of Kidney Transplantation after Breast Cancer**
  Wapnir, I., Chandler, J., Kurian, A., Melcher, M.
  SPRINGER.2025: 797
- **Insights From Refusal Patterns for Deceased Donor Kidney Offers.** *Transplantation*
  Guan, G., Neelam, S., Studnia, J., Cheng, X. S., Melcher, M. L., Rees, M. A., Roth, A. E., Somaini, P., Ashlagi, I.
  2025
- **Geospatial analysis of liver donation after death by drug intoxication.** *Liver transplantation : official publication of the American Association for the Study of Liver Diseases and the International Liver Transplantation Society*
  Kadri, H., Handley, T. J., Nakayama, T., Sasaki, K., Melcher, M. L.
  2025
- **Perioperative Outcomes of Limited Sobriety Versus Standard Sobriety Liver Transplantation for Alcohol-associated Liver Disease.** *Transplantation proceedings*
  Fu, S., Pan, J. H., Kadri, H., Contag, C., Ferguson, J., Sedki, M., Kwong, A., Goel, A., Melcher, M. L.
  2025
- **Navigating new frontiers: onsite machine perfusion in US liver transplantation.** *HPB : the official journal of the International Hepato Pancreato Biliary Association*
  Akabane, M., Bekki, Y., Kwong, A. J., Esquivel, C. O., Kim, W. R., Melcher, M. L., Sasaki, K.
  2025
- **Practical Guide to Image-Based Big Data Research.** *JAMA surgery*
  Ross, E. G., Arya, S., Melcher, M. L.
  2025
- **Defining Gene Signature of Tumor-Associated Macrophages in Intrahepatic Cholangiocarcinoma as Target for Immunotherapy Using Single Cell and Bulk RNA Sequencing** *Livers*
  Badshah, J. S., Lee, R., Reitsma, A., Melcher, M. L., Martinez, O. M., Krams, S. M., Delitto, D. J., Kirchner, V. A.
  2025; 5 (4): 1-17
- **Hepatitis C-positive grafts for hepatitis C-negative recipients in liver transplantation: Buried treasure or depleting resource?** *Liver transplantation : official publication of the American Association for the Study of Liver Diseases and the International Liver Transplantation Society*
  Nakayama, T., Krist, D. T., Akabane, M., Imaoka, Y., Esquivel, C. O., Kwong, A. J., Kwo, P. Y., Melcher, M. L., Sasaki, K.
  2024
- **Revisiting the Prognostic Influences of Donor-Recipient Size Mismatch in Deceased Donor Liver Transplantation.** *Transplantation direct*
  Nakayama, T., Akabane, M., Imaoka, Y., Esquivel, C. O., Melcher, M. L., Sasaki, K.
  2024; 10 (11): e1722
- **Global Survey on Graft Preservation and Anastomosis Time in Kidney Transplantation: Impact on Delayed Graft Function**
  Vaughan, B. C., Sorrentino, T. A., Freise, J. E., Wu, V., Melcher, M. L., Gardner, J. M., Hansen, K. S.
  LIPPINCOTT WILLIAMS & WILKINS.2024: S500
- **Does the introduction of acuity circle policy change split liver transplantation practice?** *Liver transplantation : official publication of the American Association for the Study of Liver Diseases and the International Liver Transplantation Society*
  Nakayama, T., Akabane, M., Imaoka, Y., Esquivel, C. O., Melcher, M. L., Sasaki, K.
  2024
- **Nested Semi-Transparent Isosurface Simulated Volume-Rendering (NESTIS-VR) - An efficient on-device rendering approach for Augmented Reality headsets increasing surgeon confidence of kidney donor arterial anatomy.** *Computers in biology and medicine*
  Necker, F. N., Melcher, M. L., Busque, S., Leuze, C. W., Ghanouni, P., Le Castillo, C., Nguyen, E., Daniel, B. L.
  2024; 183: 109267
- **Beyond 75: Graft Allocation and Organ Utility Implications in Liver Transplantation.** *Transplantation direct*
  Akabane, M., Kwong, A., Imaoka, Y., Esquivel, C. O., Kim, W. R., Melcher, M. L., Sasaki, K.
  2024; 10 (10): e1661

- **HUMAN IMMUNE ORGANOIDS TO MODEL LIVER TRANSPLANT REJECTION**
  Sola, E., Waghela, P., Wang, C., Kamalyan, L., Chen, L., Kirchner, V., Sasaki, K., Melcher, M., Esquivel, C., Davis, M.
  LIPPINCOTT WILLIAMS & WILKINS.2024: S1036-S1037

- **Standardizing usability testing for medical devices intended for intraoperative use during kidney transplantation**
  Freise, J., Sorrentino, T., Hartlet, K., Wendel, D., Melcher, M., Gardner, J., Hansen, K.
  LIPPINCOTT WILLIAMS & WILKINS.2024: 617

- **Beneficial effect of the liver in pediatric dual organ transplantation. Analysis of the Scientific Registry of Transplant Recipients database (SRTR)**
  Tajima, T., Sasaki, K., Bonham, C. A., Krams, S. M., Martinez, O., Melcher, M., Kirchner, V. A., Esquivel, C. O.
  LIPPINCOTT WILLIAMS & WILKINS.2024: 58-59

- **OCS Liver enables better recipient outcomes when donors are located over 250nm from recipient**
  Brubaker, A., Mathur, A., Lee, D., Hobeika, M., Nassar, A., Sudan, D., Barbas, A., Schnickel, G., Syed, S., Cannon, R., Mao, S., Kinkhabwala, M., Kato, et al
  LIPPINCOTT WILLIAMS & WILKINS.2024: 192

- **Changing trends in liver transplant practices: night and day benefit for patient outcomes**
  Barbas, A., Schnickel, G., Hobeika, M., Mathur, A., Syed, S., Nassar, A., Markmann, J., Merani, S., Cannon, R., Lee, D., Vrochides, D., Nissen, N., Sudan, et al
  LIPPINCOTT WILLIAMS & WILKINS.2024: 187

- **Real-world experience: superior patient and graft survival outcomes with OCS Liver**
  Hobeika, M., Barbas, A., Roll, G., Syed, S., Schnickel, G., Markmann, J., Vagefi, P., Nassar, A., Cannon, R., Lee, D., Vrochides, D., Merani, S., Nissen, et al
  LIPPINCOTT WILLIAMS & WILKINS.2024: 18

- **International graft preservation practices and anastomosis time impacting delayed graft function in kidney transplantation**
  Vaughan, B. C., Sorrentino, T. A., Freise, J. E., Wu, V., Melcher, M. L., Gardner, J. M., Hansen, K. S.
  LIPPINCOTT WILLIAMS & WILKINS.2024

- **Standardizing usability testing for medical devices intended for intraoperative use during kidney transplantation.**
  Freise, J., Sorrentino, T., Hartlet, K., Wendel, D., Melcher, M., Gardner, J., Hansen, K.
  LIPPINCOTT WILLIAMS & WILKINS.2024

- **Upregulation of the senescence genes SFN and CDC6 correlates with poor survival in Stage II Hepatocellular Carcinoma**
  Badshah, J., Subramanian, S., Melcher, M., Sasaki, K., Visser, B., Delitto, D., Helms, J. A., Pruett, T. L., Niedernhofer, L. J., Kirchner, V. A.
  LIPPINCOTT WILLIAMS & WILKINS.2024: 104-105

- **Liposome-stabilized WNT3A protein (L-WNT) upregulates adult hepatic stem cells and reduces cell death in liver during cold preservation**
  Kirchner, V. A., Liu, B., Aellos, F., Ramos, A. J., Melcher, M., Badshah, J., Helms, J. A.
  LIPPINCOTT WILLIAMS & WILKINS.2024: 23-24

- **International graft preservation practices and anastomosis time impacting delayed graft function in kidney transplantation**
  Vaughan, B. C., Sorrentino, T. A., Freise, J. E., Wu, V., Melcher, M. L., Gardner, J. M., Hansen, K. S.
  LIPPINCOTT WILLIAMS & WILKINS.2024: 343

- **Continuous Risk Score Predicts Waitlist & Post-Transplant Outcomes in Hepatocellular Carcinoma Despite Exception Changes.** *Clinical gastroenterology and hepatology : the official clinical practice journal of the American Gastroenterological Association*
  Akabane, M., McVey, J. C., Firl, D. J., Kwong, A. J., Melcher, M. L., Kim, W. R., Sasaki, K.
  2024

- **Success of Ex Situ End Ischemic Hypothermic Oxygenated Perfusion (HOPE) Prior to Liver Transplantation-The Bridge to Hope Pivotal Multicenter Randomized Controlled Clinical Trial on the Safety and Effectiveness of the VitaSmart Liver Machine Perfusion System (clinicaltrials.gov: Nct05045794)**
  Reich, D., Schlegel, A., Mao, S., Hashimoto, K., Nassar, A., Foley, D., Florman, S., Devera, M., Pinna, A., Chapman, W., Bohorquez, H., Roll, G., Mihaylo, et al
  ELSEVIER SCIENCE INC.2024: S447-S448

- **Development and Validation of a Cost-Effective Kidney Tissue Thermal Phantom**

Sorrentino, T. A., Freise, J. E., Melcher, M. L., Hansen, K. S.
ELSEVIER SCIENCE INC.2024

- **Geospatial Analysis of Liver Donation after Drug Overdose**
  Kadri, H., Handley, T. J., Melcher, M. L.
  ELSEVIER SCIENCE INC.2024: S952

- **Decreased Ischemic Cholangiopathy with Hypothermic Oxygenated Perfusion: Sub Analysis of Biliary Outcomes from the US Pivotal Meticenter Trial of the Vitasmart for Hope in Liver Transplantation**
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