

Stanford



Carlos O. Esquivel, M.D., Ph.D., FACS

Arnold and Barbara Silverman Professor in Pediatric Transplantation and Professor of Surgery (Abdominal Transplantation) and of Pediatrics (Gastroenterology, Hepatology and Nutrition)

Surgery - Abdominal Transplantation

CLINICAL OFFICE (PRIMARY)

- **Pediatric Surgery**

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ACADEMIC CONTACT INFORMATION

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Bio

CLINICAL FOCUS

- Liver Transplantation
- General Surgery
- Intestinal Transplantation
- Pediatric Liver Transplantation
- Liver cancer

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Surgery - Abdominal Transplantation
- Professor - University Medical Line, Pediatrics - Gastroenterology
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Director, Adult Liver Transplantation, Stanford University, (1995-2023)
- Chief, Division of Abdominal Transplantation, Stanford University, (1998-2023)
- Associate Director, Institute for Immunity, Transplantation and Infection, Stanford University, (2004- present)
- Director, Abdominal Transplant Fellowship, Stanford University, (1998-2020)
- Vice Chairman, Department of Surgery, Stanford University, (1995-1997)
- Surgical Director, Pediatric Liver Transplant Program, Stanford University, (1995- present)

HONORS AND AWARDS

- President, International Pediatric Transplant Association (May 2021 - 2023)

- President Elect, International Pediatric Transplant Association (May 6, 2019)
- Medical Staff Distinguished Service Award, Lucile Packard Children's Hospital at Stanford (April 16, 2015)
- Francis Moore Excellence in Mentorship in the field of Transplantation Surgery Award, American Society of Transplant Surgeons (2015)
- President, San Francisco Surgical Society (2010 - 2011)
- Honoree 'Salute to Excellence', American Liver Foundation, Northern California Chapter (2003)
- 1st Recipient "The Arnold and Barbara Chair in Pediatric Transplantation", Stanford University (1999)
- Member, American Surgical Association (1997)
- Premio a la Superacion (Honor al Merito) by Rafael A. Calderon F. Presidente de la Republica, Costa Rica (1991)
- Fellow, American College of Surgeons (1990)
- National Research Service Award, NIH (1980)

PROFESSIONAL EDUCATION

- Residency: UC Davis Health Dept of Surgery (1984) CA
- Internship: UC Davis Health Dept of Surgery (1978) CA
- Board Certification: General Surgery, American Board of Surgery (1985)
- Fellowship: University of Pittsburgh School of Medicine (1985) PA
- Fellowship: University of Lund (1983) Sweden
- Medical Education: University of Costa Rica School of Medicine (1975) Costa Rica
- Fellowship, University of Pittsburgh , Transplantation (1985)
- Residency, University of California, Davis , Surgery (1984)
- Internship, University of California, Davis , Surgery (1978)
- Ph.D., University of Lund, Sweden , Medicine (1983)
- MD, University of Costa Rica , Medicine (1975)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My role in research is to bring clinical problems to the laboratory to find answers, which in turn, will improve patient care. Thus, my role is translational research in the field of liver and small bowel transplantation. As a senior clinical scientist, I provide leadership over many research projects conducted in the Division of Abdominal Transplantation laboratories. I have ensembled an outstanding research team lead by Olivia Martinez, Ph.D. and Sheri Krams, Ph.D. The investigators include undergraduate and post-graduate students, medical students, surgery residents and transplant fellows.

Research projects involve several models of transplantation of the liver, kidney, intestinal and heart transplantation in rodents. The goals of these research projects are to understand the molecular mechanisms of rejection and by manipulating those mechanisms, we are pursuing full acceptance of the transplanted organs, known as tolerance.

CLINICAL TRIALS

- EBV Infection in Transplant, Not Specified

Publications

PUBLICATIONS

- **Outcomes of Adults with Congenital Heart Disease Undergoing Heart and Heart-Liver Transplantation: A Single-Center Experience.** *The Journal of thoracic and cardiovascular surgery*

- Mullis, D. M., Krishnan, A., Vargas, N. M., Hu, S., Heng, E., Alnasir, D., Berg, A. R., Vu, A., Lui, G. K., Haeffele, C. L., Teuteberg, J. J., Daugherty, T., Gallo, et al
2026
- **NKG2A+ NK cell cytotoxicity of Epstein-Barr virus infected B cells is mediated through the NKG2D and NKp30 activating receptors.** *Journal of immunology (Baltimore, Md. : 1950)*
Pena, J. K., Zhang, W., Badshah, J. S., Ledezma-Soto, C., Jenkins, K. C., Toh, J., Kirchner, V. A., Esquivel, C. O., Martinez, O. M., Krams, S. M.
2026; 215 (2)
 - **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
 - **SMARTER Education for a Global Transplant Workforce.** *Pediatric transplantation*
Raina, R., Esquivel, C., Smith, S., Bajpai, R., Johnson, J. N., McCulloch, M., Oh, J., Pape, L., Bonham, C. A., Bartosh, S., Marks, S. D., Twombly, K.
2025; 29 (8): e70222
 - **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
 - **IL-17A-producing $\gamma\delta$ T cells and classical monocytes are associated with a rapid alloimmune response following vascularized composite allotransplantation in mice**
Tajima, T., Zhang, W., Han, S., Reitsma, A., Harden, J., Fuentes, S., Sonehara, A., Esquivel, C., Martinez, O. M., Krams, S. M.
OXFORD UNIV PRESS.2025
 - **Single cell analysis reveals functional T cell deficits in transplant recipients with chronic Epstein-Barr Virus DNAemia compared to individuals with controlled infection**
Vizcarra, E. A., Liang, I., Esquivel, C. O., Krams, S. M., Martinez, O. M.
OXFORD UNIV PRESS.2025
 - **GLOBAL PERSPECTIVES ON NONADHERENCE AND RE-TRANSPLANTATION IN PEDIATRIC SOLID ORGAN TRANSPLANT RECIPIENTS: AN IPTA ETHICS COMMITTEE ANALYSIS**
Raina, R., Oh, J., Johnson, J. N., Marks, S. D., McCulloch, M., Pape, L., Esquivel, C., Twombly, K.
WILEY.2025
 - **THE SOCIAL MEDIA FOR INTERNATIONAL PEDIATRIC TRANSPLANTATION EDUCATION AND RESEARCH (SMARTER) INITIATIVE FOR TRAINING TRANSPLANT FELLOWS**
Raina, R., Oh, J., Johnson, J. N., Marks, S. D., McCulloch, M., Pape, L., Esquivel, C., Twombly, K.
WILEY.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
 - **Outcomes of choledochoduodenostomy in pediatric liver transplantation.** *Liver transplantation : official publication of the American Association for the Study of Liver Diseases and the International Liver Transplantation Society*
Jensen, A. R., Tajima, T., Pedroza, A., Esquivel, C. O.
2025
 - **IL-17A-producing $\gamma\delta$ T cells and classical monocytes are associated with a rapid alloimmune response following vascularized composite allotransplantation in mice.** *Frontiers in immunology*
Tajima, T., Zhang, W., Han, S., Reitsma, A., Harden, J. T., Fuentes, S., Sonehara, A., Esquivel, C. O., Martinez, O. M., Krams, S. M.

2025; 16: 1584916

- **Educational Gaps and Suggestions for Change for Pediatric Transplant Fellowship Training Based on Fellow Survey Responses.** *Pediatric transplantation*
Raina, R., Gallegos, F. R., McCulloch, M., Nair, N., Hinton, J., Pape, L., Twombly, K., Johnson, J. N., Oh, J., Bonham, C. A., Preka, E., Bartosh, S., Bhaskar, et al
2025; 29 (4): e70105
- **Listing for blood type A2 donors is highly variable and impacts waitlist outcomes among blood type O liver transplantation candidates 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., Imaoka, Y., Esquivel, C. O., Sasaki, K.
2025
- **Exploring the Viability of Matching Marginal Donors With Low Renal Function Recipients in Liver Transplantation.** *Clinical transplantation*
Akabane, M., Imaoka, Y., Nakayama, T., Esquivel, C. O., Sasaki, K.
2025; 39 (3): e70123
- **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
- **Effect of sarcopenia on the survival of patients undergoing liver transplantation: a meta-analysis.** *Surgery today*
Akabane, M., Imaoka, Y., Nakayama, T., Esquivel, C. O., Sasaki, K.
2025
- **Decisions Using Intra-Operative Gross Assessment of Fontan-Associated Liver Disease: Implications for Heart-Only Transplantation** *PEDIATRIC TRANSPLANTATION*
Rivera, D., Zhang, K., Ebel, N., Bensen, R., Martin, E., Ma, M., Esquivel, C. O., Navaratnam, M., Hollander, S. A., Rosenthal, D. N., Chen, S.
2025; 29 (1)
- **Decisions Using Intra-Operative Gross Assessment of Fontan-Associated Liver Disease: Implications for Heart-Only Transplantation.** *Pediatric transplantation*
Torpoco Rivera, D. M., Zhang, K. Y., Ebel, N., Bensen, R., Martin, E., Ma, M., Esquivel, C. O., Navaratnam, M., Hollander, S. A., Rosenthal, D. N., Chen, S.
2025; 29 (1): e70036
- **Has Sex-Based Disparity in Liver Transplantation Opportunities and Waitlist Mortality Improved in the MELD3.0 Era?: A Preliminary Study.** *Clinical transplantation*
Akabane, M., Imaoka, Y., Esquivel, C. O., Sasaki, K.
2025; 39 (1): e70064
- **The impact of sex and body mass index in liver transplantation for acute-on-chronic liver failure.** *Journal of hepato-biliary-pancreatic sciences*
Akabane, M., Imaoka, Y., Nakayama, T., Esquivel, C. O., Sasaki, K.
2024
- **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
- **Pediatric to Adult Transition in Solid Organ Transplant Recipients: A Systematic Review of Existing Transition Programs.** *Pediatric transplantation*
Yerigeri, S., Satariano, M., Pape, L., Johnson, J. N., Marks, S. D., Twombly, K. E., Doshi, K., Harish, N., Oh, J., McCulloch, M., Esquivel, C. O., Raina, R.
2024; 28 (8): e14896
- **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

- **Choledochoduodenostomy Is an Adequate Biliary Reconstruction in Pediatric Liver Transplantation**
Tajima, T., Pedroza, A., Jensen, A., Esquivel, C.
LIPPINCOTT WILLIAMS & WILKINS.2024: S487-S488
- **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
- **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 ORGANOID 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
- **Survival benefit of liver transplantation utilizing marginal donor organ according to ABO blood type.** *Liver transplantation : official publication of the American Association for the Study of Liver Diseases and the International Liver Transplantation Society*
Akabane, M., Bekki, Y., Inaba, Y., Imaoka, Y., Esquivel, C. O., Kwong, A., Kim, W. R., Sasaki, K.
2024
- **Pediatric to adult transition in solid organ transplant recipients: A systematic review of existing transition programs**
Yerigeri, S., Satariano, M., Pape, L., Johnson, J. N., Marks, S. D., Twombly, K. E., Doshi, K., Oh, J., McCulloch, M., Esquivel, C. O., Raina, R.
LIPPINCOTT WILLIAMS & WILKINS.2024: 413
- **Pediatric to adult transition in solid organ transplant recipients: A systematic review of existing transition programs.**
Yerigeri, S., Satariano, M., Pape, L., Johnson, J. N., Marks, S. D., Twombly, K. E., Doshi, K., Oh, J., Mcculloch, M., Esquivel, C. O., Raina, R.
LIPPINCOTT WILLIAMS & WILKINS.2024
- **Pediatric Combined Heart-liver Transplantation: A Single-center Long-term Experience.** *Transplantation direct*
Levitte, S., Nilkant, R., Chen, S., Beadles, A., Lee, J., Bonham, C. A., Rosenthal, D., Gallo, A., Hollander, S., Esquivel, C., Ma, M., Zhang, K. Y.
2024; 10 (9): e1696
- **Effect of transjugular intrahepatic portosystemic shunt insertion on waitlist mortality and access to liver transplantation in budd-chiari syndrome.** *Liver transplantation : official publication of the American Association for the Study of Liver Diseases and the International Liver Transplantation Society*
Akabane, M., Imaoka, Y., Nakayama, T., Esquivel, C. O., Sasaki, K.
2024
- **Interleukin-33 and liver natural killer cells: A novel perspective on antitumor activity in liver fibrosis.** *Hepatology research : the official journal of the Japan Society of Hepatology*
Imaoka, Y., Ohira, M., Imaoka, K., Bekki, T., Nakano, R., Yano, T., Tanaka, Y., Nakayama, T., Akabane, M., Tajima, T., Yokota, S., Krams, S. M., Martinez, et al
2024
- **The IPTA Nashville consensus conference on post-transplant lymphoproliferative disorders after solid organ transplantation in children: IV-consensus guidelines for the management of post-transplant lymphoproliferative disorders in children and adolescents.** *Pediatric transplantation*
Allen, U. D., L'Huillier, A. G., Bollard, C. M., Gross, T. G., Hayashi, R. J., Höcker, B., Maecker-Kolhoff, B., Marks, S. D., Mazariegos, G. V., Smets, F., Trappe, R. U., Visner, G., Chinnock, et al
2024; 28 (5): e14781
- **The Future Frontier of Liver Transplantation Exploring Young Donor Allocation Strategies for HCC Recipients.** *Transplantation direct*
Akabane, M., Esquivel, C. O., Kim, W. R., Sasaki, K.
2024; 10 (7): e1657
- **The Spread Pattern of New Practice in Liver Transplantation in the United States.** *Clinical transplantation*
Akabane, M., Imaoka, Y., Esquivel, C. O., Kim, W. R., Sasaki, K.
2024; 38 (7): e15379

- **The suggestion of mitigating disparity in the liver transplantation field among ABO blood type.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*
Akabane, M., Imaoka, Y., Esquivel, C. O., Kim, W. R., Sasaki, K.
2024
- **Landscape of donor cause of death and its impact on liver transplant outcomes: a ten-year analysis from the UNOS database.** *HPB : the official journal of the International Hepato Pancreato Biliary Association*
Akabane, M., Imaoka, Y., Esquivel, C. O., Sasaki, K.
2024
- **Epstein-Barr virus-associated post-transplant lymphoproliferative disorders in pediatric transplantation: A prospective multicenter study in the United States.** *Pediatric transplantation*
Tajima, T., Martinez, O. M., Bernstein, D., Boyd, S. D., Gratzinger, D., Lum, G., Sasaki, K., Tan, B., Twist, C. J., Weinberg, K., Armstrong, B., Desai, D. M., Mazariegos, et al
2024; 28 (4): e14763
- **An updated analysis of retransplantation following living donor liver transplantation in the US: insights from the latest UNOS database.** *Liver transplantation : official publication of the American Association for the Study of Liver Diseases and the International Liver Transplantation Society*
Akabane, M., Imaoka, Y., Esquivel, C. O., Sasaki, K.
2024
- **Investigating the role of Natural Killer cells in the control of latent Epstein-Barr virus infection**
Pena, J., Zhang, W., Esquivel, C., Martinez, O., Krams, S.
AMER ASSOC IMMUNOLOGISTS.2024
- **Immunophenotypic profiling reveals novel T cell subset associated with "tolerance" in pediatric transplant recipients**
Zhang, W., Rao, M., Amouzgar, M., Reitsma, A., Pena, J., Nova, P., Shah, A., Bendall, S., Esquivel, C., Martinez, O., Krams, S.
AMER ASSOC IMMUNOLOGISTS.2024
- **Enhancing the Usability of older DCD donors through strategic approaches in liver transplantation in the US.** *Liver transplantation : official publication of the American Association for the Study of Liver Diseases and the International Liver Transplantation Society*
Akabane, M., Melcher, M. L., Esquivel, C. O., Imaoka, Y., Kim, W. R., Sasaki, K.
2024
- **Impact of donor characteristics on hepatocellular carcinoma recurrence after liver transplantation.** *The British journal of surgery*
Akabane, M., Bekki, Y., Imaoka, Y., Inaba, Y., Esquivel, C. O., Melcher, M. L., Kwong, A., Sasaki, K.
2024; 111 (4)
- **Three-dimensional Liver Model Application for Liver Transplantation.** *Transplantation*
Sanchez-Garcia, J., Lopez-Verdugo, F., Shorti, R., Krong, J., Kastenber, Z. J., Walters, S., Gagnon, A., Paci, P., Zendejas, I., Alonso, D., Fujita, S., Contreras, A. G., Botha, et al
2024; 108 (2): 464-472
- **Incidence and Outcomes of Simultaneous Thoracoabdominal Triple Organ Transplantation in the United States.** *Transplantation proceedings*
Adjei, M. A., Wisel, S. A., Steggerda, J. A., Mirocha, J., Mavis, A., Esquivel, C. O., Kim, I. K.
2024
- **Antiviral Therapy Utilization and 10-Year Outcomes in Resected Hepatitis B Virus- and Hepatitis C Virus-Related Hepatocellular Carcinoma.** *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*
Huang, D. Q., Hoang, J. K., Kamal, R., Tsai, P. C., Toyoda, H., Yeh, M. L., Yasuda, S., Leong, J., Maeda, M., Huang, C. F., Won Jun, D., Ishigami, M., Tanaka, et al
2024: JCO2300757
- **Evaluating Predictors of Quality in Liver NK Cells Among Deceased Donors** *CELL TRANSPLANTATION*
Imaoka, Y., Ohira, M., Nakayama, T., Akabane, M., Tajima, T., Yokota, S., Krams, S. M., Martinez, O. M., Esquivel, C. O., Sasaki, K., Ohdan, H.
2024; 33
- **Evaluating Predictors of Quality in Liver NK Cells Among Deceased Donors.** *Cell transplantation*
Imaoka, Y., Ohira, M., Nakayama, T., Akabane, M., Tajima, T., Yokota, S., Krams, S. M., Martinez, O. M., Esquivel, C. O., Sasaki, K., Ohdan, H.
2024; 33: 9636897241283289

- **Breaking distance barriers in liver transplantation: Risk factors and outcomes of long-distance liver grafts.** *Surgery*
Imaoka, Y., Bozhilov, K. K., Bekki, Y., Akabane, M., Kwong, A. J., Ohira, M., Ohdan, H., Esquivel, C. O., Melcher, M. L., Sasaki, K.
2023
- **Impact of Induction Therapy on Rejection in Pediatric Transplantation: A Multicenter Study in the US**
Tajima, T., Chin, C., Desai, D. M., Fishbein, T. M., Mazariegos, G. V., Tekin, A., Venick, R., Krams, S. M., Martinez, O. M., Esquivel, C. O.
LIPPINCOTT WILLIAMS & WILKINS.2023: S495
- **Alcohol Use in Liver Transplant Recipients With Alcohol-related Liver Disease: A Comparative Assessment of Relapse Prediction Models.** *Transplantation*
Sedki, M., Kwong, A., Bhargava, M., Ahmed, A., Daugherty, T., Kwo, P., Dronamraju, D., Kumari, R., Kim, W. R., Esquivel, C., Melcher, M., Bonham, C. A., Gallo, et al
2023
- **The short and long-term prognostic influences of liver grafts with high bilirubin levels at the time of organ recovery.** *Clinical transplantation*
Akabane, M., Bekki, Y., Imaoka, Y., Inaba, Y., Kwong, A. J., Esquivel, C. O., Melcher, M. L., Sasaki, K.
2023: e15155
- **International Liver Transplantation Society Global Census: First Look at Pediatric Liver Transplantation Activity Around the World.** *Transplantation*
Rodriguez-Davalos, M. I., Lopez-Verdugo, F., Kasahara, M., Muiesan, P., Reddy, M. S., Flores-Huidobro Martinez, A., Xia, Q., Hong, J. C., Niemann, C. U., Seda-Neto, J., Miloh, T. A., Yi, N. J., Mazariegos, et al
2023; 107 (10): 2087-2097
- **311.2: Risk factors for Epstein-Barr virus DNAemia in pediatric transplantation: A multicenter study in the United States.** *Transplantation*
Tajima, T., Bernstein, D., Boyd, S. D., Gratzinger, D., Lum, G., Sasaki, K., Tan, B., Weinberg, K., Armstrong, B., Brown, M., Chin, C., Desai, D., Fishbein, et al
2023; 107 (10S1): 71-72
- **Has the risk of liver re-transplantation improved over the two decades?** *Clinical transplantation*
Akabane, M., Bekki, Y., Imaoka, Y., Inaba, Y., Esquivel, C. O., Kwong, A., Melcher, M. L., Sasaki, K.
2023: e15127
- **Technical Variant Liver Transplant Utilization for Pediatric Recipients: Equal Graft Survival to Whole Liver Transplants and Promotion of Timely Transplantation Only When Performed at High-volume Centers.** *Transplantation*
Stoltz, D. J., Gallo, A. E., Lum, G., Mendoza, J., Esquivel, C. O., Bonham, A.
2023
- **Overcoming the hurdles of steatotic grafts in liver transplantation: insights into survival and prognostic factors.** *Liver transplantation : official publication of the American Association for the Study of Liver Diseases and the International Liver Transplantation Society*
Akabane, M., Imaoka, Y., Esquivel, C. O., Melcher, M. L., Kwong, A., Sasaki, K.
2023
- **Highlights from the 12th congress of the international pediatric transplant association, Austin, Texas 2023.** *Pediatric transplantation*
Chinnakotla, S., Esquivel, C., Twombly, K., Posfay-Barbe, K., Krams, S. M.
2023: e14592
- **High-dimensional profiling of pediatric immune responses to solid organ transplantation.** *Cell reports. Medicine*
Rao, M., Amouzgar, M., Harden, J. T., Lapasaran, M. G., Trickey, A., Armstrong, B., Odum, J., Debnam, T., Esquivel, C. O., Bendall, S. C., Martinez, O. M., Krams, S. M.
2023: 101147
- **Mesenchymal stem cell-derived exosomes for the treatment of acute rejection in pediatric and adult bowel transplant**
Zhang, K., Kumari, R., Lightner, A., Gallo, A., Bonham, C., Esquivel, C.
LIPPINCOTT WILLIAMS & WILKINS.2023: 38
- **The IPTA Nashville Consensus Conference on Post-Transplant lymphoproliferative disorders after solid organ transplantation in children: III - Consensus guidelines for Epstein-Barr virus load and other biomarker monitoring.** *Pediatric transplantation*
Preiksaitis, J., Allen, U., Bollard, C. M., Dharnidharka, V. R., Dulek, D. E., Green, M., Martinez, O. M., Metes, D. M., Michaels, M. G., Smets, F., Chinnock, R. E., Comoli, P., Danziger-Isakov, et al
2023: e14471

- **International Liver Transplantation Society Global Census: First Look at Pediatric Liver Transplantation Activity Around the World.** *Transplantation*
Rodriguez-Davalos, M. I., Lopez-Verdugo, F., Kasahara, M., Muiesan, P., Reddy, M. S., Flores-Huidobro Martinez, A., Xia, Q., Hong, J. C., Niemann, C. U., Seda-Neto, J., Miloh, T. A., Yi, N. J., Mazariegos, et al
2023
- **Outcomes after liver transplantation in MPV17 deficiency: A rebuttal.** *Pediatric transplantation*
Huang, A. C., Ebel, N. H., Romero, D., Enns, G. M., Esquivel, C. O., Bonham, C.
2023: e14472
- **Epstein-Barr virus-associated post-transplant lymphoproliferative disorders in pediatric transplantation: A prospective multicenter study in the United States**
Tajima, T., Bernstein, D., Boyd, S. D., Gratzinger, D., Lum, G., Sasaki, K., Tan, B., Twist, C. J., Weinberg, K., Robien, M. A., Brown, M., Armstrong, B., Desai, et al
WILEY.2023
- **High-dimensional profiling of pediatric immune responses to solid organ transplantation**
Rao, M., Amouzgar, M., Harden, J. T., Lapasaran, M. G., Trickey, A., Armstrong, B., Odum, J., Debnam, T., Esquivel, C. O., Bendall, S. C., Martinez, O. M., Krams, S. M.
WILEY.2023
- **Pediatric Liver Transplant at Long-Distance High-Volume Centers Confers Improved Graft Survival Compared to Local Low-Volume Transplant Centers**
Bozhilov, K., Stoltz, D., Bonham, A., Kirchner, V., Lum, G., Esquivel, C., Gallo, A.
WILEY.2023
- **High-resolution natural killer cell phenotyping by mass cytometry in pediatric transplant recipients**
Zhang, W., Pena, J. K., Boonrat, P., Harden, J. T., Esquivel, C. O., Martinez, O. M., Krams, S. M.
WILEY.2023
- **Amplified inferior outcomes for infant pediatric liver transplant candidates and recipients at low volume centers**
Stoltz, D., Bozhilov, K., Gallo, A., Kirchner, V., Lum, G., Mendoza, J., Esquivel, C., Bonham, A.
WILEY.2023
- **Extracellular vesicle microRNAs are decreased in pediatric solid-organ transplant recipients during EBV plus post-transplant lymphoproliferative disorder**
Sen, A., Enriquez, J., Rao, M., Esquivel, C. O., Martinez, O. M., Krams, S. M.
WILEY.2023
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