

# Stanford

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## Carlos O. Esquivel

Arnold and Barbara Silverman Professor in Pediatric Transplantation in the School of Medicine, Professor of Surgery (Abdominal Transplantation) and of Pediatrics (Gastroenterology) at the Stanford University Medical Center

Surgery - Abdominal Transplantation

### CLINICAL OFFICES

- **Surgical Specialties Clinic**

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- **Medicine Specialties Clinic**

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### ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

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### Bio

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### CLINICAL FOCUS

- Kidney and Pancreas Transplantation
- Liver Transplantation
- General Surgery

### ACADEMIC APPOINTMENTS

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

### ADMINISTRATIVE APPOINTMENTS

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

### HONORS AND AWARDS

- 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 General Surgery Residency (1984) CA
- Internship: UC Davis General Surgery Residency (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

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### 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

- Post-Traumatic Stress Symptoms (PTSS) in Transplant Recipients, Recruiting
- Biomarkers for Post-Transplant Lymphoproliferative Disorders in Children, Not Recruiting
- Risk Factors and Molecular Genomics of U.S. Patients With Chronic Liver Disease and Hepatocellular Cancer, Not Recruiting

## Publications

### PUBLICATIONS

- **Are two operations better than one? The debate over combined versus sequential liver-kidney transplantation from a single live donor in the treatment of primary hyperoxaluria 1** *PEDIATRIC TRANSPLANTATION*  
Pham, T. A., Esquivel, C.  
2019; 23 (4)
- **Differential role of natural killer group 2D in recognition and cytotoxicity of hepatocyte-like cells derived from embryonic stem cells and induced pluripotent stem cells** *AMERICAN JOURNAL OF TRANSPLANTATION*  
Cisneros, T., Dillard, D. W., Qu, X., Arredondo-Guerrero, J., Castro, M., Schaffert, S., Martin, R., Esquivel, C. O., Krams, S. M., Martinez, O. M.  
2019; 19 (6): 1652–62
- **Are two operations better than one? The debate over combined versus sequential liver-kidney transplantation from a single live donor in the treatment of primary hyperoxaluria 1.** *Pediatric transplantation*  
Pham, T. A., Esquivel, C.  
2019: e13457
- **Dual blockade of the PI3K/Akt/mTOR pathway inhibits posttransplant Epstein-Barr virus B cell lymphomas and promotes allograft survival** *AMERICAN JOURNAL OF TRANSPLANTATION*  
Sang, A. X., McPherson, M. C., Ivison, G. T., Qu, X., Rigdon, J., Esquivel, C. O., Krams, S. M., Martinez, O. M.  
2019; 19 (5): 1305–14
- **LIVER TRANSPLANTATION IN MITOCHONDRIAL NEUROGASTROINTESTINAL ENCEPHALMYOPATHY (MNGIE)**  
Kripps, K., Larson, A., Nakayuenyongsuk, W., Berquist, W., Ospina, N., Esquivel, C., Concepcion, W., Van Hove, J.  
ACADEMIC PRESS INC ELSEVIER SCIENCE.2019: 280–81
- **Differential role of natural killer group 2D in recognition and cytotoxicity of hepatocyte-like cells derived from embryonic stem cells and induced pluripotent stem cells.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*  
Cisneros, T., Dillard, D. W., Qu, X., Arredondo-Guerrero, J., Castro, M., Schaffert, S., Martin, R., Esquivel, C. O., Krams, S. M., Martinez, O. M.  
2018
- **Dual blockade of the PI3K/Akt/mTOR pathway inhibits post-transplant Epstein-Barr virus B cell lymphomas and promotes allograft survival.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*  
Sang, A. X., McPherson, M. C., Ivison, G. T., Qu, X., Rigdon, J., Esquivel, C. O., Krams, S. M., Martinez, O. M.  
2018
- **Orthotopic Liver Transplantation After Stereotactic Body Radiotherapy for Pediatric Hepatocellular Carcinoma with Central Biliary Obstruction and Nodal Involvement.** *Cureus*  
Chen, E., Rangaswami, A., Esquivel, C. O., Concepcion, W., Lungren, M., Thakor, A. S., Yoo, C. H., Donaldson, S. S., Hiniker, S. M.  
2018; 10 (10): e3499
- **Improved Short-Term Survival in HCV Seropositive Kidney Transplant Recipients during the Daa Era in the United States**  
Wong, K., Cholankeril, G., Gadiparthi, C., Somasundar, P., Busque, S., Esquivel, C. O., Ahmed, A.  
WILEY.2018: 140A
- **Prospective Analysis of EBV plus PTL D in a Multi-Center Study of Pediatric Transplant Recipients**  
Martinez, O. M., Krams, S. M., Lapasaran, M., Boyd, S. D., Bernstein, D., Twist, C., Weinberg, K., Gratzinger, D., Tan, B., Armstrong, B., Ikle, D., Brown, M., Robien, et al  
LIPPINCOTT WILLIAMS & WILKINS.2018: S319
- **Combined En-Bloc Heart Liver Transplantation in Children with Congenital Heart Disease Complicated by Cardiac Cirrhosis**  
Conlon, S., Maeda, K., Reinhartz, O., Hollander, S., Rosenthal, D., Gallo, A., Concepcion, W., Esquivel, C., Bonham, A.  
LIPPINCOTT WILLIAMS & WILKINS.2018: S295
- **Genomic Status of the Epstein Barr Virus and Virus-Associated PI3K/Akt/mTOR Pathway Dysregulation in Post-Transplant Lymphoproliferative Disorder**  
McPherson, M., Balachandran, Y., Boyd, S. D., Zimmermann, H., Trappe, R. U., Esquivel, C. O., Krams, S. M., Martinez, O. M.

LIPPINCOTT WILLIAMS & WILKINS.2018: S95

- **Delineation of the Viral and Host Cell Genomic Alterations in EBV-positive PTLD**  
Balachandran, Y., McPherson, M., Boyd, S. D., Esquivel, C. O., Krams, S., Martinez, O. M.  
LIPPINCOTT WILLIAMS & WILKINS.2018: S319
- **Identifying shared patterns in the T cell receptor repertoire specific to IE-1 CMV**  
Lucia Perez, M., Rubelt, F., Luque, S., Krams, S. M., Esquivel, C. O., Bestard, O., Martinez, O. M.  
LIPPINCOTT WILLIAMS & WILKINS.2018: S141
- **Application of Mass Cytometry for Analysis of the Alloimmune Response in a Model of Vascularized Composite Allograft Transplantation**  
Harden, J. T., Sang, A. X., Qu, X., Esquivel, C., Martinez, O. M., Krams, S. M.  
LIPPINCOTT WILLIAMS & WILKINS.2018: S198
- **Impact of the New Kidney Allocation System A2/A2B -> B Policy on Access to Transplantation among Minority Candidates**  
Martins, P. N., Mustian, M., MacLennan, P. A., Ortiz, J. A., Akoad, M., Caicedo, J. C., Echeverri, G. J., Gray, S. H., Lopez-Soler, R. I., Gunasekaran, G., Kelly, B., Mobley, C. M., Black, et al  
LIPPINCOTT WILLIAMS & WILKINS.2018: S412
- **Epstein-Barr Virus Genome Variation in Post-Transplant Lymphoproliferative Disorder**  
Maloney, E., Busque, V. A., Hui, S., Krams, S. M., Esquivel, C. O., Martinez, O. M.  
LIPPINCOTT WILLIAMS & WILKINS.2018: S95
- **Elucidation of the miRNome in EBV-positive and EBV-negative PTLD**  
Balachandran, Y., Zimmermann, H., Esquivel, C. O., Krams, S., Trappe, R. U., Martinez, O. M.  
LIPPINCOTT WILLIAMS & WILKINS.2018: S96
- **NK Cell Recognition of Peptides Encoded by EBV Latent Cycle Proteins**  
Mbiribindi, B., Moreno, C., Esquivel, C. O., Martinez, O. M., Krams, S. M.  
LIPPINCOTT WILLIAMS & WILKINS.2018: S283
- **Transarterial chemoembolization in children to treat unresectable hepatocellular carcinoma. *Pediatric transplantation***  
Weiss, K. E., Sze, D. Y., Rangaswami, A. A., Esquivel, C. O., Concepcion, W., Lebowitz, E. A., Kothary, N., Lungren, M. P.  
2018: e13187
- **Prenatal treatment of ornithine transcarbamylase deficiency. *Molecular genetics and metabolism***  
Wilnai, Y., Blumenfeld, Y. J., Cusmano, K., Hintz, S. R., Alcorn, D., Benitz, W. E., Berquist, W. E., Bernstein, J. A., Castillo, R. O., Concepcion, W., Cowan, T. M., Cox, K. L., Lyell, et al  
2018
- **Inhibition of Multiple Nodes in the PI3K/Akt/mTOR Pathway Synergistically Suppresses Post-Transplant B Cell Lymphomas**  
Sang, A., McPherson, M., Ivison, G., Qu, X., Rigdon, J., Esquivel, C., Krams, S., Martinez, O.  
WILEY.2018: 20
- **The challenges of closing an ileostomy in patients with total intestinal aganglionosis after small bowel transplant *PEDIATRIC SURGERY INTERNATIONAL***  
Jazi, F., Sinclair, T. J., Thorson, C. M., Castillo, R., Bonham, A. C., Esquivel, C. O., Bruzoni, M.  
2018; 34 (1): 113–16
- **Temporal trends in disease presentation and survival of patients with hepatocellular carcinoma: A real-world experience from 1998 to 2015. *Cancer***  
Kim, N. G., Nguyen, P. P., Dang, H., Kumari, R., Garcia, G., Esquivel, C. O., Nguyen, M. H.  
2018
- **In Memoriam The Legacy of Thomas E. Starzl, MD, PhD 3/11/1926-3/4/2017 *PEDIATRIC TRANSPLANTATION***  
Shapiro, R., Esquivel, C. O., Webber, S. A.  
2017; 21 (6)
- **Dynamics of Viral and Host Immune Cell MicroRNA Expression during Acute Infectious Mononucleosis. *Frontiers in microbiology***  
Kaul, V., Weinberg, K. I., Boyd, S. D., Bernstein, D., Esquivel, C. O., Martinez, O. M., Krams, S. M.  
2017; 8: 2666
- **The Impact of the Kidney Allocation System on Pediatric Kidney Transplant**

- Gallo, A., Andrews, W., Chinnakotla, S., Healey, P., Jan, D., Nathan, J., Esquivel, C.  
WILEY-BLACKWELL.2017: 54
- **Mass cytometry reveals a distinct immunoprofile of operational tolerance in pediatric liver transplantation.** *Pediatric transplantation*  
Lau, A. H., Vitalone, M. J., Haas, K., Shawler, T., Esquivel, C. O., Berquist, W. E., Martinez, O. M., Castillo, R. O., Krams, S. M.  
2016
  - **The Use of HCV Positive Donors in HCV Negative Liver Transplant Recipients**  
Cholankeril, G., Perumpail, R. B., Hu, M., Aggarwal, A., Liu, A., Kwong, A. J., Dhanasekaran, R., Bonham, C. A., Gonzalez, S. A., Kim, W., Esquivel, C. O., Ahmed, A.  
WILEY.2016: 807A
  - **Living donor liver transplantation for inborn errors of metabolism - An underutilized resource in the United States.** *Pediatric transplantation*  
Pham, T. A., Enns, G. M., Esquivel, C. O.  
2016; 20 (6): 770-773
  - **Epstein-Barr virus-associated lymphoepithelial carcinoma after pediatric liver transplant** *LIVER TRANSPLANTATION*  
Sang, A. X., Harris-Arnold, A., Kambham, N., Martinez, O. M., Krams, S. M., Strichartz, D., Esquivel, C. O.  
2016; 22 (6): 849-53
  - **Plasmacytic posttransplant lymphoproliferative disorder with hyperviscosity syndrome in a child after liver transplant.** *Hepatology*  
Yang, C. H., Gombar, S., Twist, C. J., Gratzinger, D., Esquivel, C. O., Lau, A. H.  
2016
  - **Liver microRNA Profile of Induced Allograft Tolerance.** *Transplantation*  
Vitalone, M. J., Wei, L., Fujiki, M., Lau, A. H., Littau, E., Esquivel, C., Martinez, O. M., Krams, S. M.  
2016; 100 (4): 781-790
  - **Trends in Liver Transplantation Multiple Listing Practices Associated With Disparities in Donor Availability: An Endless Pursuit to Implement the Final Rule.** *Gastroenterology*  
Cholankeril, G., Perumpail, R. B., Tulu, Z., Jayasekera, C. R., Harrison, S. A., Hu, M., Esquivel, C. O., Ahmed, A.  
2016; 151 (3): 382-86.e2
  - **Effect of Liver Transplant on Long-term Disease-Free Survival in Children With Hepatoblastoma and Hepatocellular Cancer** *JAMA SURGERY*  
Pham, T. A., Gallo, A. M., Concepcion, W., Esquivel, C. O., Bonham, C. A.  
2015; 150 (12): 1150-1158
  - **Epstein-Barr Virus Modulates Host Cell MicroRNA-194 to Promote IL-10 Production and B Lymphoma Cell Survival** *AMERICAN JOURNAL OF TRANSPLANTATION*  
Harris-Arnold, A., Arnold, C. P., Schaffert, S., Hatton, O., Krams, S. M., Esquivel, C. O., Martinez, O. M.  
2015; 15 (11): 2814-2824
  - **Reduced Survival in Elderly Liver Transplant Recipients: How Old is Too Old?**  
Heo, N., Mannalithara, A., Udompap, P., Kim, D., Concepcion, W., Esquivel, C. O., Kim, W.  
WILEY.2015: 807A
  - **Identification of microRNAs Associated with Allograft Tolerance**  
Vitalone, M. J., Wei, L., Piard-Ruster, K., Esquivel, C. O., Martinez, O. M., Krams, S. M.  
WILEY-BLACKWELL.2015: 383A
  - **Liver Plasmacytoid Dendritic Cells Expressing miR-181 prolong graft survival by increasing T Regulatory cells and Decreasing B cells as Revealed by Mass Cytometry (CyTOF)**  
Lau, A. H., Vitalone, M. J., Qu, X., Shawler, T., Martinez, O. M., Esquivel, C. O., Krams, S. M.  
WILEY-BLACKWELL.2015: 1242A
  - **Treatment of methylmalonic acidemia by liver or combined liver-kidney transplantation.** *journal of pediatrics*  
Niemi, A., Kim, I. K., Krueger, C. E., Cowan, T. M., Baugh, N., Farrell, R., Bonham, C. A., Concepcion, W., Esquivel, C. O., Enns, G. M.  
2015; 166 (6): 1455-61 e1
  - **Donor Specific Antibodies Are Associated with Rejection After Small Bowel and Multi-Visceral Transplant in Children**  
Pham, T., Castillo, R. O., Concepcion, W., Esquivel, C., Bonham, A.

LIPPINCOTT WILLIAMS & WILKINS.2015: S18

- **Treatment of Methylmalonic Acidemia by Liver or Combined Liver-Kidney Transplantation** *JOURNAL OF PEDIATRICS*  
Niemi, A., Kim, I. K., Krueger, C. E., Cowan, T. M., Baugh, N., Farrell, R., Bonham, C. A., Concepcion, W., Esquivel, C. O., Enns, G. M.  
2015; 166 (6): 1455-?
- **Employment After Liver Transplantation: A Review** *TRANSPLANTATION PROCEEDINGS*  
Huda, A., Newcomer, R., Harrington, C., Keefe, E. B., Esquivel, C. O.  
2015; 47 (2): 233-239
- **Recurrent Hepatocellular Carcinoma and Poorer Overall Survival in Patients Undergoing Left-sided Compared With Right-sided Partial Hepatectomy.** *Journal of clinical gastroenterology*  
Valenzuela, A., Ha, N. B., Gallo, A., Bonham, C., Ahmed, A., Melcher, M., Kim, L. H., Esquivel, C., Concepcion, W., Ayoub, W. S., Lutchman, G. A., Daugherty, T., Nguyen, et al  
2015; 49 (2): 158-164
- **Improved Long Term Survival Following Liver Transplantation for Childhood Primary Hepatic Malignancy**  
Pham, T., Gallo, A., Concepcion, W., Esquivel, C., Bonham, C.  
WILEY-BLACKWELL.2015: 99-100
- **Effect of Liver Transplant on Long-term Disease-Free Survival in Children With Hepatoblastoma and Hepatocellular Cancer.** *JAMA surgery*  
Pham, T. A., Gallo, A. M., Concepcion, W., Esquivel, C. O., Bonham, C. A.  
2015; 150 (12): 1150-58
- **Pediatric Malignancy-What to do?**  
Esquivel, C. O.  
WILEY-BLACKWELL.2015: 44
- **Complications Following Liver Transplantation for Progressive Familial Intrahepatic Cholestasis** *DIGESTIVE DISEASES AND SCIENCES*  
Berumen, J., Feinberg, E., Todo, T., Bonham, C. A., Concepcion, W., Esquivel, C.  
2014; 59 (11): 2649-2652
- **Novel protocol including liver biopsy to identify and treat CD8+ T-cell predominant acute hepatitis and liver failure.** *Pediatric transplantation*  
McKenzie, R. B., Berquist, W. E., Nadeau, K. C., Louie, C. Y., Chen, S. F., Sibley, R. K., Glader, B. E., Wong, W. B., Hofmann, L. V., Esquivel, C. O., Cox, K. L.  
2014; 18 (5): 503-509
- **Improved survival outcomes in patients with non-alcoholic steatohepatitis and alcoholic liver disease following liver transplantation: an analysis of 2002-2012 United Network for Organ Sharing data.** *Clinical transplantation*  
Wong, R. J., Chou, C., Bonham, C. A., Concepcion, W., Esquivel, C. O., Ahmed, A.  
2014; 28 (6): 713-721
- **Etiology of Liver Disease Affects Post-Liver Transplantation Survival Among Hepatocellular Carcinoma Patients.**  
Wong, R. J., Ahmed, A., Concepcion, W., Esquivel, C.  
WILEY-BLACKWELL.2014: S276
- **Late hepatic artery thrombosis in pediatric liver transplantation: an incomplete story.** *Liver transplantation*  
Gallo, A., Esquivel, C. O.  
2014; 20 (5): 512-513
- **Primary surgical resection versus liver transplantation for transplant-eligible hepatocellular carcinoma patients.** *Digestive diseases and sciences*  
Wong, R. J., Wantuck, J., Valenzuela, A., Ahmed, A., Bonham, C., Gallo, A., Melcher, M. L., Lutchman, G., Concepcion, W., Esquivel, C., Garcia, G., Daugherty, T., Nguyen, et al  
2014; 59 (1): 183-191
- **Hepatocellular Carcinoma is associated with Lower Survival following Living Donor Liver Transplantation in the U.S**  
Perumpail, R. B., Wong, R., Su, A. M., Bonham, C. A., Esquivel, C. O., Ahmed, A.  
WILEY-BLACKWELL.2014: 511A
- **Higher MELD scores at time of transplant are not associated with lower survival following living donor liver transplantation among patients with MELD < 25**  
Perumpail, R. B., Wong, R., Su, A. M., Bonham, C. A., Esquivel, C. O., Ahmed, A.

WILEY-BLACKWELL.2014: 287A–288A

- **Resolution of Acute Kidney Injury after Liver Transplantation: Single Center Experience**  
Todo, T., Gallo, A., Beruman, J., Feinberg, E., Melcher, M., Bonham, C., Busque, S., Concepcion, W., Esquivel, C.  
WILEY-BLACKWELL.2014: 101
- **PI3K Inhibition Augments the Efficacy of Rapamycin in Suppressing Proliferation of Epstein-Barr Virus (EBV) plus B Cell Lymphomas** *AMERICAN JOURNAL OF TRANSPLANTATION*  
Furukawa, S., Wei, L., Krams, S. M., Esquivel, C. O., Martinez, O. M.  
2013; 13 (8): 2035-2043
- **EXCELLENT OUTCOME IN ALL PATIENTS WITH COMBINED KIDNEY AND LIVER TRANSPLANT FOR PRIMARY HYPEROXALURIA TYPE 1**  
Hwang, C. S., Alfrey, E. J., Concepcion, W., Esquivel, C. O.  
WILEY-BLACKWELL.2013: 100–101
- **USE OF A NOVEL PROTOCOL TO SUCCESSFULLY CHARACTERIZE AND TREAT IMMUNE-MEDIATED ACUTE HEPATITIS AND LIVER FAILURE IN CHILDREN**  
McKenzie, R. B., Berquist, W., Esquivel, C., Nadeau, K., Chen, S., Sibley, R., Cox, K.  
WILEY-BLACKWELL.2013: 52
- **T cell responses to Epstein Barr Virus infections in pediatric organ transplant recipients**  
Lin, D., Piard-Ruster, K., Esquivel, C., Martinez, O., Maecker, H.  
AMER ASSOC IMMUNOLOGISTS.2013
- **Syk-Induced Phosphatidylinositol-3-Kinase Activation in EpsteinBarr Virus Posttransplant Lymphoproliferative Disorder** *AMERICAN JOURNAL OF TRANSPLANTATION*  
Hatton, O., Lambert, S. L., Phillips, L. K., Vaysberg, M., Natkunam, Y., Esquivel, C. O., Krams, S. M., Martinez, O. M.  
2013; 13 (4): 883-890
- **PI3K delta Inhibition Augments the Efficacy of mTOR Inhibitor Rapamycin on the Proliferation of Epstein-Barr Virus (EBV) plus B Cell Lymphomas.** *13th American Transplant Congress (ATC)*  
Furukawa, S., Hatton, O., Krams, S., Esquivel, C., Martinez, O.  
WILEY-BLACKWELL.2013: 96–97
- **Current options for management of biliary atresia** *PEDIATRIC TRANSPLANTATION*  
Gallo, A., Esquivel, C. O.  
2013; 17 (2): 95-98
- **Liver transplantation for urea cycle disorders in pediatric patients: A single-center experience** *PEDIATRIC TRANSPLANTATION*  
Kim, I. K., Niemi, A., Krueger, C., Bonham, C. A., Concepcion, W., Cowan, T. M., Enns, G. M., Esquivel, C. O.  
2013; 17 (2): 158-167
- **Geographical Rural Status and Health Outcomes in Pediatric Liver Transplantation: An Analysis of 6 Years of National United Network of Organ Sharing Data** *JOURNAL OF PEDIATRICS*  
Park, K. T., Bensen, R., Lu, B., Nanda, P., Esquivel, C., Cox, K.  
2013; 162 (2): 313-?
- **Reoperation in Pediatric Liver Transplantation: A Five Year Review** *13th Annual State of the Art Winter Symposium of the American-Society-of-Transplant-Surgeons (ASTS) Held in Conjunction with the NATCO Symposium for Advanced Transplant Professionals*  
Feinberg, E. J., Beruman, J. A., Campos, B. D., Lodhia, N., Gallo, A. E., Melcher, M., Bonham, C. A., Concepcion, W., Esquivel, C. O.  
WILEY-BLACKWELL.2013: 84–84
- **Pediatric Liver Transplantation as Definitive Therapy for Urea Cycle Disorders** *13th Annual State of the Art Winter Symposium of the American-Society-of-Transplant-Surgeons (ASTS) Held in Conjunction with the NATCO Symposium for Advanced Transplant Professionals*  
Kim, I. K., Niemi, A., Krueger, C., Enns, G., Esquivel, C. O.  
WILEY-BLACKWELL.2013: 86–86
- **The impact of hepatic portoenterostomy on liver transplantation for the treatment of biliary atresia: Early failure adversely affects outcome** *PEDIATRIC TRANSPLANTATION*  
Alexopoulos, S. P., Merrill, M., Kin, C., Matsuoka, L., Dorey, F., Concepcion, W., Esquivel, C., Bonham, A.

2012; 16 (4): 373-378

- **Grafts too big or too small: Business as usual in pediatric liver transplantation** *PEDIATRIC TRANSPLANTATION*  
Reding, R., Dhawan, A., Esquivel, C. O.  
2012; 16 (3): 212-213
- **Differentiation of Murine Embryonic Stem Cells to Definitive Endoderm for Treatment of Liver Disease.**  
Hill, A. L., Esquivel, C. O., Martinez, O. M.  
WILEY-BLACKWELL.2012: S147
- **The Roles of microRNAs in Transplantation.**  
Wei, L., Qu, X., Martinez, O. M., Esquivel, C. O., Krams, S. M.  
WILEY-BLACKWELL.2012: S146-S147
- **Emerging therapeutic strategies for Epstein-Barr virus+ post-transplant lymphoproliferative disorder** *PEDIATRIC TRANSPLANTATION*  
Hatton, O., Martinez, O. M., Esquivel, C. O.  
2012; 16 (3): 220-229
- **A Common Peripheral Blood Gene Set for Diagnosis of Operational Tolerance in Pediatric and Adult Liver Transplantation** *AMERICAN JOURNAL OF TRANSPLANTATION*  
Li, L., Wozniak, L. J., RODDER, S., Heish, S., Taliseti, A., Wang, Q., Esquivel, C., Cox, K., Chen, R., McDiarmid, S. V., Sarwal, M. M.  
2012; 12 (5): 1218-1228
- **Changes in natural killer cell subsets in pediatric liver transplant recipients** *PEDIATRIC TRANSPLANTATION*  
Pham, B., Piard-Ruster, K., Silva, R., Gallo, A., Esquivel, C. O., Martinez, O. M., Krams, S. M.  
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