Stanford



Paul C. Grimm

Professor of Pediatrics (Nephrology)

Pediatrics - Nephrology

NIH Biosketch available Online Curriculum Vitae available Online

CLINICAL OFFICE (PRIMARY)

- **Pediatric Nephrology Clinic**
  770 Welch Rd Ste 300
  Palo Alto, CA 94304
  Tel (650) 724-0353 **Fax** (650) 721-6685

ACADEMIC CONTACT INFORMATION

- **Alternate Contact**
  Kim Sands - Admin. Pediatric Nephrology
  Email ksands@stanford.edu
  Tel 650-723-7903

Bio

BIO

Professor of Pediatrics and Medical Director of the Stanford Children's Health Pediatric Kidney Transplant Program at Stanford University School of Medicine. After practicing as a family physician in Saskatchewan, Canada, he trained in pediatrics at Dalhousie University (Halifax) and University of Manitoba in Canada. Pediatric Nephrology training was at Dalhousie University, then at UCLA. He was faculty at University of Manitoba (1991-1999), University of California at San Diego (1999-2007) and now at Stanford since 2007. Previous research was on transplant immunology, renal pathology and image analysis. His focus now is tolerance, infants, highly sensitized recipients, multiorgan transplants, cystinosis and patients with unusual transplant problems. He has published ~110 articles in scientific journals.

A Member of the Scientific Council of the Cystinosis Research Foundation and Medical Director of the Stanford Cystinosis Referral Clinic, he has seen more than 100 unique patients in the largest cystinosis referral clinic in North America outside of the NIH. The clinic has brought care of these patients forward in multiple studies including delayed-release cysteamine, and bone and muscle, immunosuppression free transplantation and cystinosis gene therapy.

CLINICAL FOCUS

- Pediatric Nephrology
- Clinical Kidney Transplant Tolerance
- Pediatric Kidney Transplant
- Cystinosis

ACADEMIC APPOINTMENTS

- Professor-Univ Med Line, Pediatrics - Nephrology
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Pediatric Nephrology Fellowship Associate Program Director, Stanford Childrens Health, (2007- present)
- Medical Director of Cystinosis Clinlc, LPCH at Stanford, (2011- present)

- Medical Director of Pediatric Kidney Transplant Program, LPCH at Stanford, (2012- present)

HONORS AND AWARDS

- Member, American Board of Pediatrics-Pediatric Nephrology Subboard (2010-2018)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Board Member, Improve Renal Outcomes Collaborative (2021 - 2024)
- Scientific Advisory Board Member, Cystinosis Research Foundation (2016 - present)

PROFESSIONAL EDUCATION

- Board Certification: Pediatric Nephrology, American Board of Pediatrics (2020)
- Medical Education: University of Saskatchewan College of Medicine (1981) Canada
- Fellowship: Dalhousie University Residency Training (1988) Canada
- Residency: Winnipeg Children's Hospital (1986) Canada
- Residency: Dalhousie University (1985) Canada
- Fellowship: UCLA Health Sciences (1991) CA
- Internship: University of Saskatchewan (1982) Canada
- Fellowship, UCLA , Pediatric Transplant Immunology (1991)
- Fellowship, Dalhousie University, Halifax , Pediatric Nephrology (1988)
- Pediatric Residency, University of Manitoba , Pediatrics Yr III (1986)
- Pediatric Residency, Dalhousie University, Halifax , Pediatrics I & II (1985)
- Interneship, U. of Saskatchewan , Rotating Interne (1982)
- MD with Distinction, University of Saskatchewan , Medicine (1981)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

transplant tolerance

pediatric kidney transplant

cystinosis

prenatal nephrology

Point of Care Ultrasound (POCUS)

CLINICAL TRIALS

- DFT383 in Pediatric Participants With Nephropathic Cystinosis, Recruiting
- Early Trial of Allogeneic Hematopoietic Stem Cell Transplantation for Patients Who Will Receive a Kidney Transplant From the Same Donor, Recruiting

Publications

PUBLICATIONS

- **Rescue therapy of paediatric lupus nephritis with plasma cell-directed antibodies.** *Annals of the rheumatic diseases*
  Kasinathan, S., Balboni, I. M., Hsu, J., Grimm, P. C., Yeung, J., Jackson, S. W., Robinson, W. H., Moyer, A., Bertaina, A., Alexander, J. L., Profita, E. L., Lee, J., Satpathy, et al
  2026

- **Neonatal Survival After Serial Amnioinfusions for Anhydramnios Due to Fetal Kidney Failure: The RAFT Clinical Trial.** *JAMA*
  Miller, J. L., Baschat, A. A., Johnson, A., Blumenfeld, Y. J., Schenone, M. H., Gebb, J. S., Moldenhauer, J. S., Zaretsky, M. V., Chmait, R. H., Gonzalez, J. M., Miller, R. S., Krispin, E., Shamshirsaz, et al
  2026
- **Under Pressure: The Effect of Blood Pressure on Kidney Transplant Outcomes in Children**
  Maniar, A., Ji, Y., Ritter, V., Maestretti, L., Maahs, D., Schroeder, A., Piburn, K., Grimm, P., Chaudhuri, A.
  ELSEVIER SCIENCE INC.2026: S656
- **Clinical practice recommendations for the diagnosis and management of nephropathic cystinosis.** *Nature reviews. Nephrology*
  Hohenfellner, K., Wühl, E., Haffner, D., Koch, V., Bishop, R., Alhasan, K., Awan, A., Bacchetta, J., Pozza, S. B., Biswas, S., Bos, M., Bürger, F., Choi, et al
  2026
- **Improving Lifelong Comprehensive Care Coordination in Nephropathic Cystinosis: Multidisciplinary Perspectives** *KIDNEY INTERNATIONAL REPORTS*
  Golestaneh, L., Ames, E. G., Doyle, M. H., Ghossein, C., Grimm, P. C., Hewlett, J. L., Lim, A., Marzinelli, L. S., Schmidt, K. J., Smeryage, B., Zaritsky, J. J., Kaskel, F. J.
  2026; 11 (3)
- **Trends in End-Stage Kidney Disease Due to Reflux Nephropathy in Children and Young Adults.** *Pediatrics*
  Wolf, A. J., Liu, S., Stedman, M., Grimm, P., Chaudhuri, A., Hains, D. S., Starr, M. C., Kan, K., Sutherland, S. M., Schroeder, A. R.
  2026
- **Cystinosis is Associated with Deficits in Muscle Mass, Strength and Hip Bone Density in Children and Young Adults.** *Kidney360*
  Sheldon, C. R., Grimm, P. C., Long, J., Whalen, J. R., Kent, K., Reimer, R. J., Strickland, A., Phelps, M., Leonard, M. B.
  2025
- **Corrigendum to "Antibodies to angiotensin II type 1 receptor and endothelin type A receptor are associated with cytokine production enriched for type 2 immune response and antibody production in pediatric kidney transplant recipients" [American Journal of Transplantation. Volume 25, Issue 11, November 2025, Pages 2329-2344].** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*
  Pearl, M. H., Chen, L., Grogan, T., Nikfarjam, N., Grimm, P. C., Fan, C., Garro, R., Tsai-Chambers, E., Kirk, A. D., Ettenger, R., Reed, E. F.
  2025
- **EVALUATING THE RISK AND BENEFIT OF ONCE DAILY MYCOPHENOLATE ACID IN PEDIATRIC KIDNEY TRANSPLANT RECIPIENTS**
  Maestretti, L., Choy, S., Patton, M. T., Ragsdale, G., Steger, J., Patel, R., Grimm, P., Chaudhuri, A.
  WILEY.2025
- **GFR STABILIZES AND DONOR SPECIFIC ANTIBODY LEVELS FALL AFTER ADDING BELATACEPT TO A LOW DOSE TACROLIMUS/ MYCOPHENOLATE/PREDNISONE REGIMEN IN NONADHERENT PEDIATRIC AND ADOLESCENT KIDNEY TRANSPLANT RECIPIENTS**
  Nikfarjam, N., Chaudhuri, A., Grimm, P., Patel, R.
  WILEY.2025
- **BIOPSY FINDINGS FROM THE VIRTUUS STUDY BY CENTER SURVEILLANCE PRACTICES: A NORTH AMERICAN COHORT OF INCIDENT KIDNEY TRANSPLANT RECIPIENTS**
  Amaral, S., Blydt-Hansen, T., Moudgil, A., Ingulli, E., Grimm, P., Verghese, P., Hooper, D., Smith, J., Matossian, D., Kizilbash, S., Chung, A., Bourgeois, T., Zee, et al
  WILEY.2025
- **IMPACT OF SPECIFIC HLA-DR MISMATCHES ON DE NOVO DONOR-SPECIFIC ANTIBODY FORMATION IN PEDIATRIC KIDNEY TRANSPLANTATION**
  Shah, A., Sigurjonsdottir, V., Turudic, D., Grimm, P., Zhang, B.
  WILEY.2025
- **HLA-DQ: THE DOMINANT DRIVER OF DE NOVO DONOR-SPECIFIC ANTIBODY-MEDIATED GRAFT FAILURE IN PEDIATRIC KIDNEY TRANSPLANTATION**
  Turudic, D., Sigurjonsdottir, V., Tambur, A., Grimm, P., Zhang, B.
  WILEY.2025
- **IMPACT OF HLA-DQA05 HETERODIMER MISMATCH ON DE NOVO DONOR-SPECIFIC ANTIBODY FORMATION IN PEDIATRIC KIDNEY TRANSPLANTATION**

Sigurjonsdottir, V., Piburn, K., Turudic, D., Grimm, P., Tambur, A., Zang, B.
WILEY.2025

- **RELATIONSHIP BETWEEN AASI, HYPERTENSION, AND LEFT VENTRICULAR HYPERTROPHY IN PEDIATRIC KIDNEY TRANSPLANT PATIENTS**
  Maniar, A., Maestretti, L., Steger, J., Patel, R., Grimm, P., Chaudhuri, A.
  WILEY.2025
- **ALTERNATIVE, LOW-COST MONITORING OF CD3 CELL DEPLETION FOLLOWING ANTI-THYMOCYTE GLOBULIN INDUCTION IN PEDIATRIC RENAL TRANSPLANT RECIPIENTS**
  Krieger, S., Patel, R., Grimm, P., Chaudhuri, A.
  WILEY.2025
- **Antibodies to Angiotensin II Type 1 Receptor and Endothelin Type A Receptor are associated with Cytokine Production Enriched for Type 2 Immune Response and Antibody Production in Pediatric Kidney Transplant Recipients.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*
  Pearl, M., Chen, L., Grogan, T., Nikfarjam, N., Grimm, P. C., Fan, C., Garro, R., Tsai-Chambers, E., Kirk, A. D., Ettenger, R., Reed, E. F.
  2025
- **HLA-DQ: The Dominant Driver of De Novo Donor-SpecificAntibody-Mediated Graft Failure in Pediatric Kidney Transplantation**
  Turudic, D., Sigurjonsdottir, V., Shah, A., Grimm, P., Tambur, A., Zhang, B.
  ELSEVIER SCIENCE INC.2025
- **HLA-DRB3/4/5 Mismatches and De Novo Donor-Specific Antibody Formation in Pediatric Kidney Transplantation**
  Sigurjonsdottir, V., Turudic, D., Shah, A., Grimm, P., Zhang, B.
  ELSEVIER SCIENCE INC.2025
- **GFR Stabilizes and Donor Specific Antibody Levels Fall AfterAdding Belatacept to a Low Dose Tacrolimus/Mycophenolate/Prednisone Regimen in Nonadherent Pediatric and Adolescent Kidney Transplant Recipients**
  Nikfarjam, N., Maestretti, L., Steger, J., Choy, S., Chaudhuri, A., Grimm, P., Patel, R.
  ELSEVIER SCIENCE INC.2025
- **Antibodies to Angiotensin II Type 1 Receptor and Endothelin Type A Receptor in the First Year Post-Transplant Are Associated with Decline in Renal Function and HLA Donor Specific Antibodies at 5 Years Post-Transplant in Pediatric Kidney Transplant Recipients**
  Pearl, M., Rubio, A., Chambers, E., Kirk, A., Garro, R., Fan, C., Grimm, P., Nikfarjam, N., Ettenger, R., Reed, E.
  ELSEVIER SCIENCE INC.2025
- **Recombinant Zoster Vaccine Use to Prevent Recurrent Shingles in an Adolescent Renal Transplant Recipient.** *Cureus*
  Nikfarjam, N., Grimm, P.
  2025; 17 (5): e83756
- **Natural Killer Cell Phenotypes and Clinical Outcomes in Pediatric Kidney Transplantation.** *Pediatric transplantation*
  Kahan, R. H., Abraham, N., Lee, H. J., Ettenger, R. B., Grimm, P. C., Reed, E. F., Reeves, R. K., Sarwal, M. M., Stempora, L. L., Warshaw, B. L., Kirk, A. D., Martinez, O. M., Chambers, et al
  2024; 28 (8): e14877
- **Ophthalmologic Symptoms and Practice Patterns in Children and Young Adults in the NAPRTCS Cystinosis Registry**
  Boynton, S., Warady, B. A., Greenbaum, L. A., Grimm, P. C., Neu, A., Smith, J. M.
  AMER SOC NEPHROLOGY.2024
- **Clinical Features of Cystinosis and Practice Patterns: A Report of the NAPRTCS Cystinosis Registry**
  Smith, J. M., Boynton, S., Grimm, P. C., Greenbaum, L. A., Neu, A., Warady, B. A.
  AMER SOC NEPHROLOGY.2024
- **Risk HLA-DQ Heterodimer Mismatch Is Associated with De Novo Donor-Specific Antibodies in Pediatric Kidney Transplant Recipients**
  Sigurjonsdottir, V., Piburn, K. H., Wang, L., Turudic, D., Grimm, P. C., Tambur, A. R., Zhang, B. M.
  AMER SOC NEPHROLOGY.2024
- **HLA-DQ heterodimer mismatch number is associated with de novo donor-specific antibody development in pediatric kidney transplant recipients**
  Sigurjonsdottir, V. K., Wang, L., Piburn, K., Turudi, D., Grimm, P., Zhang, M. M.

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- **Defining systolic blood pressure normative values in hospitalized pediatric patients: a single center experience.** *Pediatric research*
  Uber, A. M., Han, J., Grimm, P., Montez-Rath, M. E., Chaudhuri, A.
  2024

- **Angiotensin-II Use for Refractory Hypotension in an Infant With Bilateral Renal Agenesis.** *Pediatrics*
  Razdan, S., Davis, A. S., Tidmarsh, G., Hintz, S. R., Grimm, P. C., Chock, V. Y.
  2023

- **Relationship between epa level of supervision with their associated subcompetency milestone levels in pediatric fellow assessment.** *BMC medical education*
  Mink, R. B., Carraccio, C. L., Herman, B. E., Weiss, P., Turner, D. A., Stafford, D. E., McGann, K. A., Kesselheim, J., Hsu, D. C., High, P. C., Fussell, J. J., Curran, M. L., Chess, et al
  2023; 23 (1): 720

- **Immunosuppression and recurrence free parental donor kidney transplant in patient with previous graft loss secondary to recurrent FSGS using prospective a/b T cell, CD19 depleted haploidentical parental stem cell transplant**
  Grimm, P., Wong, C., Goldstein-Fuchs, D., Chaudhuri, A., James, G., Boyd, D., Good, J., Woo, M., Gallo, A., Bertaina, A.
  SPRINGER.2023: 2332

- **Entrustable professional activities as an assessment and educational tool in pediatric nephrology**
  Mahan, J., Samuels, J., Symons, J., Neu, A., Grimm, P., Mink, R., Hermann, B., Schwartz, A., Warshaw, B., George, R.
  SPRINGER.2023: 2481-2482

- **POST-TRANSPLANT LYMPHOPROLIFERATIVE DISEASE IN A PATIENT WITH SCHIMKE IMMUNO-OSSEOUS DYSPLASIA**
  Rao, R., Grimm, P., Lewis, D., Spunt, S., Marks, L.
  WILEY.2023: S75-S76

- **HLA-DR/DQ Single Molecule Eplet Mismatch And Formation Of De Novo Donor-Specific Anti-HLA Antibodies After Kidney Transplantation In Children**
  Sigurjonsdottir, V., Piburn, K., Grimm, P., Zhang, B. M.
  WILEY.2023

- **Cystatin C and Creatinine Concentrations are Uninformative Biomarkers of Sarcopenia: A Cross-Sectional NHANES Study.** *Journal of renal nutrition : the official journal of the Council on Renal Nutrition of the National Kidney Foundation*
  Shah, L. N., Leonard, M. B., Ziolkowski, S. L., Grimm, P., Long, J.
  2023

- **HLA-DR/DQ Single Molecule Eplet Mismatch and Formation of De Novo Donor-Specific Anti-HLA Antibodies After Kidney Transplantation in Children**
  Sigurjonsdottir, V. K., Piburn, K. H., Grimm, P. C.
  AMER SOC NEPHROLOGY.2022: 9

- **Sequential Stem Cell-Kidney Transplantation in Schimke Immuno-osseous Dysplasia Reply** *NEW ENGLAND JOURNAL OF MEDICINE*
  Bertaina, A., Grimm, P. C., Weinberg, K.
  2022; 387 (9): 860

- **Sequential Stem Cell-Kidney Transplantation in Schimke Immuno-osseous Dysplasia. Reply.** *The New England journal of medicine*
  Bertaina, A., Grimm, P. C., Weinberg, K.
  2022; 387 (9): 860

- **Malnutrition and immune cell subsets in children undergoing kidney transplantation.** *Pediatric transplantation*
  Shaw, B. I., Lee, H., Ettenger, R., Grimm, P., Reed, E. F., Sarwal, M., Stempora, L., Warshaw, B., Zhao, C., Martinez, O. M., MacIver, N. J., Kirk, A. D., Chambers, et al
  2022

- **Improving Quality of Care and Outcomes for Pediatric Patients With End-stage Kidney Disease: The Importance of Pediatric Nephrology Expertise.** *JAMA*
  Leonard, M. B., Grimm, P. C.
  2022; 328 (5): 427-429

- **Improving Quality of Care and Outcomes for Pediatric Patients With End-stage Kidney Disease The Importance of Pediatric Nephrology Expertise** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
  Leonard, M. B., Grimm, P. C.
  2022; 328 (5): 427-429

- **Patterns in Tacrolimus Variability and Association with De Novo Donor-Specific Antibody Formation in Pediatric Kidney Transplant Recipients.** *Clinical journal of the American Society of Nephrology : CJASN*
  Piburn, K. H., Sigurjonsdottir, V. K., Indridason, O. S., Maestretti, L., Patton, M. V., McGrath, A., Palsson, R., Gallo, A., Chaudhuri, A., Grimm, P. C.
  2022

- **Sequential Stem Cell-Kidney Transplantation in Schimke Immuno-osseous Dysplasia.** *The New England journal of medicine*
  Bertaina, A., Grimm, P. C., Weinberg, K., Parkman, R., Kristovich, K. M., Barbarito, G., Lippner, E., Dhamdhere, G., Ramachandran, V., Spatz, J. M., Fathallah-Shaykh, S., Atkinson, T. P., Al-Uzri, et al
  2022; 386 (24): 2295-2302

- **Early versus Late Ureteral Stent Removal in Pediatric Kidney Transplant Recipients.**
  McGrath, A., Maestretti, L., Samreth, S., Sheth, K., Grimm, P., Chaudhuri, A., Gallo, A.
  WILEY.2022: 706

- **Baseline Trends in Tacrolimus Intrapatient Variability in Pediatric and Young Adult Kidney Transplant Recipients.**
  Piburn, K., Maestretti, L., Patton, M. V., McGrath, A. M., Indridason, O. S., Chaudhuri, A., Grimm, P., Sigurjonsdottir, V.
  WILEY.2022: 697

- **HLA-DR/DQ Single Molecule Eplet Mismatch and Formation of De Novo Donor-Specific Anti-HLA Antibodies After Kidney Transplantation in Children.**
  Sigurjonsdottir, V. K., Piburn, K., Grimm, P. C., Zhang, B. M.
  WILEY.2022: 380

- **Evaluating the Risk and Benefit of Once Daily Delayed Release Mycophenolate in Pediatric Kidney Transplant Recipients.**
  Maestretti, L., McGrath, A., Fong, A., Brubaker, A., Gallo, A., Grimm, P., Chaudhuri, A.
  WILEY.2022: 1084-1085

- **Evaluating the risk and benefit of once daily delayed release mycophenolate in pediatric kidney transplant recipients**
  Maestretti, L., McGrath, A., Fong, A., Brubaker, A., Gallo, A., Grimm, P., Chaudhuri, A.
  WILEY.2022

- **Increasing and normalizing the discussion of pregnancy prevention for female pediatric kidney transplant recipients on the fetal toxic medication, Mycophenolate**
  McGrath, A., Beadles, A., Maestretti, L., Baquir, J., Alonzo, R., Fong, A., Patton, M., Stone, M., Barnes, A., Samreth, S., Grimm, P., Chaudhuri, A.
  WILEY.2022

- **Sequential hematopoietic stem cell transplantation (HSCT) followed by kidney transplant-3 children who received ABT-cell/CD19 B-cell depleted HSCT followed by kidney transplant from same parental donor are rejection free and immunosuppression free with donor specific tolerance > 1year post kidney transplant**
  Grimm, P., Lewis, D. B., Al-Uzri, A., Fathallah-Shaykh, S., Shah, A., Agarwal, R., Weinberg, K. I., Gallo, A., Concepcion, W., Bertaina, A.
  WILEY.2022

- **High tacrolimus intrapatient variability is associated with inferior graft outcomes in pediatric and young adult kidney transplant recipients**
  Piburn, K., Maestretti, L., Patton, M. V., McGrath, A., Indridason, O. S., Gallo, A., Chaudhuri, A., Grimm, P. C., Sigurjonsdottir, V. K.
  WILEY.2022

- **Increasing and normalizing the discussion of pregnancy prevention for female pediatric kidney transplant recipients on the fetal toxic medication, Mycophenolate**
  McGrath, A., Beadles, A., Maestretti, L., Baquir, J., Alonzo, R., Fong, A., Patton, M., Stone, M., Barnes, A., Samreth, S., Grimm, P., Chaudhuri, A.
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- **Sequential hematopoietic stem cell transplantation (HSCT) followed by kidney transplant-3 children who received ABT-cell/CD19 B-cell depleted HSCT followed by kidney transplant from same parental donor are rejection free and immunosuppression free with donor specific tolerance > 1year post kidney transplant**
  Grimm, P., Lewis, D. B., Al-Uzri, A., Fathallah-Shaykh, S., Shah, A., Agarwal, R., Weinberg, K. I., Gallo, A., Concepcion, W., Bertaina, A.
  WILEY.2022

- **Complement-Binding Donor-Specific Anti-HLA Antibodies: Biomarker for Immunologic Risk Stratification in Pediatric Kidney Transplantation Recipients.** *Transplant international : official journal of the European Society for Organ Transplantation*
  Sigurjonsdottir, V. K., Purington, N., Chaudhuri, A., Zhang, B. M., Fernandez-Vina, M., Palsson, R., Kambham, N., Charu, V., Piburn, K., Maestretti, L., Shah, A., Gallo, A., Concepcion, et al
  2022; 35: 10158

- **Low dose rabbit antithymocyte globulin is non-inferior to higher dose in low-risk pediatric kidney transplant recipients.** *Pediatric nephrology (Berlin, Germany)*
  Sigurjonsdottir, V. K., Maestretti, L., McGrath, A., Concepcion, W., Gallo, A., Jonsdottir, U., Grimm, P. C., Chaudhuri, A.
  1800

- **Complement-Binding Donor-Specific Anti-HLA Antibodies: Biomarker for Immunologic Risk Stratification in Pediatric Kidney Transplantation Recipients** *Transpl Int,*
  Sigurjonsdottir, V. K.
  2022; 35

- **Design and Methods of the Validating Injury to the Renal Transplant Using Urinary Signatures (VIRTUUS) Study in Children.** *Transplantation direct*
  Kumar, J., Contrepois, K., Snyder, M., Grimm, P. C., Moudgil, A., Smith, J. M., Bobrowski, A. E., Verghese, P. S., Hooper, D., Ingulli, E., Lestz, R., Weng, P., Reason, et al
  2021; 7 (12): e791

- **Functional Immune Tolerance Induced By Sequential Hematopoietic Stem Cell-Solid Organ Transplantation**
  Bertaina, A., Barbarito, G., Ramachandran, V. V., Kristovich, K., Lippner, E., Fathallah-Shaykh, S., Al-Uzri, A., Shah, A. J., Aubert, G., Slepicka, P., Oppizzi, L., Agarwal, R., Roncarolo, et al
  AMER SOC HEMATOLOGY.2021: 1818-+

- **Racial Disparities in Pediatric Kidney Transplantation under the New Kidney Allocation System in the United States.** *Clinical journal of the American Society of Nephrology : CJASN*
  Krissberg, J., Kaufmann, M., Gupta, A., Bendavid, E., Stedman, M., Cheng, X., Tan, J., Grimm, P., Chaudhuri, A.
  2021

- **Cystatin C and Creatinine as Biomarkers of Pediatric Sarcopenia**
  Shah, L. N., Long, J., Whalen, J. R., Grimm, P. C., Leonard, M. B.
  AMER SOC NEPHROLOGY.2021: 701

- **Baseline Trends in Tacrolimus Intrapatient Variability in Pediatric Kidney Transplant Patients**
  Piburn, K. H., Sigurjonsdottir, V. K., Maestretti, L. K., Patton, M. V., Mcgrath, A. M., Indridason, O. S., Chaudhuri, A., Grimm, P. C.
  AMER SOC NEPHROLOGY.2021: 669

- **Profound neonatal lactic acidosis and renal tubulopathy in a patient with glycogen storage disease type IXα2 secondary to a de novo pathogenic variant in PHKA2.** *Molecular genetics and metabolism reports*
  Morales, J. A., Tise, C. G., Narang, A., Grimm, P. C., Enns, G. M., Lee, C. U.
  2021; 27: 100765

- **Corneal cystine crystal deposition: Online medical education can significantly improve knowledge, competence and confidence diagnosing and treating ocular manifestations of nephrotic cystinosis**
  Trier, S., Aboulsaoud, P., Maeglin, J., Cherqui, S., Grimm, P., Bishop, R.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2021

- **Profound neonatal lactic acidosis and renal tubulopathy in a patient with glycogen storage disease type IXa2 secondary to a de novo pathogenic variant in PHKA2** *MOLECULAR GENETICS AND METABOLISM REPORTS*
  Morales, J., Tise, C. G., Narang, A., Grimm, P. C., Enns, G. M., Lee, C. U.
  2021; 27

- **SEQUENTIAL HEMATOPOIETIC STEM CELL AND KIDNEY TRANSPLANTATION IN SCHIMKE IMMUNO-OSSEOUS DYSPLASIA: TOWARDS A MODEL FOR ESTABLISHING FUNCTIONAL IMMUNE TOLERANCE FOR SOLID ORGAN TRANSPLANTATION**
  Bertaina, A., Grimm, P., Kristovich, K., Barbarito, G., Lippner, E., Fathallah-Shaykh, S., Al-Uzri, A., van der Elst, K., Agarwal, R., Selpicka, P., Shah, A., Weinberg, K., Parkman, et al
  ELSEVIER SCI LTD.2021: S136

- **Relationship between antithymocyte globulin, T cell phenotypes, and clinical outcomes in pediatric kidney transplantation** *AMERICAN JOURNAL OF TRANSPLANTATION*
  Shaw, B. I., Lee, H., Chan, C., Ettenger, R., Grimm, P., Pearl, M., Reed, E. F., Robien, M. A., Sarwal, M., Stempora, L., Warshaw, B., Zhao, C., Martinez, et al
  2020

- **Relationship between antithymocyte globulin, T cell phenotypes, and clinical outcomes in pediatric kidney transplantation.** *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*
  Shaw, B. I., Lee, H. J., Chan, C., Ettenger, R., Grimm, P., Pearl, M., Reed, E. F., Robien, M. A., Sarwal, M., Stempora, L., Warshaw, B., Zhao, C., Martinez, et al
  2020

- **Peri-transplant aminophylline in pediatric kidney transplant recipients of donation after brain death: a double-blinded placebo-controlled randomized clinical trial.** *Pediatric nephrology (Berlin, Germany)*
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