



James C. Cicciarelli, Ph.D.

Immunogenetics Laboratory Director

CONTACT INFORMATION

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RESEARCH INTERESTS

Immunobiology of transplant rejection

Histocompatibility and transplant survival

HLA-disease association and mechanism

Immunoregulatory role of HLA molecules

Antigenic determinants of HLA

Clinical diagnostic and prognostic tests for transplant recipients and/or candidates

HLA Molecular typing and diagnostics using chip arrays

EDUCATION

Education

1969	B.S. Biology, Tulane University; New Orleans, LA
1972	M.S. Biology and Chemistry, Southern Illinois University (SIU) Edwardsville, IL
1977	Ph.D. Immunology (Microbiology) SIU Carbondale, IL

Fellowships

1973	Chemistry SIU, Edwardsville, IL
1974 - 77	Immunology, SIU School of Medicine
1977 - 79	Immunology, UCLA School of Medicine Los Angeles, CA

LICENSURE & BORAD CERTIFICATIONS

1984	California Clinical Lab Directors Histocompatibility
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1991 American Board of Bioanalysis (ABB)
High Complexity Clinical Lab Director (HCLD)

PROFESSIONAL BACKGROUND

1981 - 1987 Assistant Professor
UCLA Department of Surgery

1987 - 1992 Associate Professor
UCLA Department of Surgery

1987 - 1992 Associate Professor Center for Interdisciplinary
Research Immunology and Disease (CIRID)
UCLA Department of Immunology

1992 - 1993 Visiting Clinical Professor
USC School of Medicine

1993 - 2008 Professor
Clinical Urology, Microbiology & Pathology
USC Keck School of Medicine

1984 - 2007 Director
USC/Metic Transplantation Laboratory

1991- Present Director HLA Lab
Sharp Memorial Hospital
San Diego, CA

2003 - 2008 Professor
Surgery
USC Keck School of Medicine

2004 - Present Director - Immunogenetics Lab
Mendez National Institute of Transplantation
Los Angeles, CA

2008 - Present Voluntary Professor
Clinical Urology, Microbiology & Pathology, Surgery
USC Keck School of Medicine

TEACHING RESPONSIBILITIES

1980 - 1989 Microbiology Immunology M & I 201
UCLA School of Medicine
Responsible for at least 2 Transplant Immunology lectures per year

1978 - Present Community Lectures for Continuing Medical Education credit (CME)

1980 - 1988 Medical Technology Lectures Harbor-UCLA Medical Center (CME)

1980 - present Supervised 40 post-doctoral fellows and 5 medical students through research projects



ADMINISTRATIVE RESPONSIBILITIES

- 1980 - 1985 Supervised 8 technicians and 5 post-doctoral fellows In Monoclonal Antibody Production Lab UCLA
- 1982 - 1986 Wrote and administered FDA clinical IND for Phase I study of cancer monoclonal antibody therapy
- 1984 - 1986 Wrote and administered FDA clinical IND for Phase I study of monoclonal antibody treatment of transplant rejection
- 1984 - 2007 Administrative Responsibility for USC/Metic Transplantation Labs
- 2004 - Present Administrative Responsibility for M.N.I.T. Immunogenetics Lab

SERVICE COMMITTEES

- 1986 - 2000 Scientific Advisory Committee
OneLegacy
Southern California Organ Procurement Center (SCOPC)
- 1989 - Present Scientific Board
National Institute of Transplantation (National)
- 1990 - 1992 Member, ASHI Clinical Affairs Committee (National)
- 1991 - 1993 Member, UNOS Histocompatibility Committee (National)
- 1991 - Present Director Sharp HLA Lab, Sharp Memorial Hospital
San Diego, CA
- 1997 - 1999 Member, UNOS Scientific Advisory Committee
- 2000 - Present Scientific Advisory Board
One Legacy
Southern California Organ Procurement Center (SCOPC)
- 2001 - 2005 Scientific Advisory Board
BioArray Solutions

MEMBERSHIPS & AFFILIATIONS

Local

- 1990 - Present Southern California Renal Disease Council
- 1994 - Present Kidney Foundation of Southern California

National

- 1980 - Present American Society for Histocompatibility and Immunogenetics (ASHI)
- 1987 - Present United Network for Organ Sharing (UNOS)



- 1988 - Present American Society of Transplant Physicians International
- 1984 - Present International Transplant Society
- 1994 - Present International Society for Heart and Lung Transplantation

PUBLIC GRANTS & CONTRACTS

- 1984 - 1987 Co-Investigator:
NIH monoclonal antibodies and treatment of kidney graft rejection and in vitro kidney perfusion with anti-leukocyte monoclonal antibody
- 1985 - 1989 Co-Investigator:
CCTS-NIH corneal transplant study of the effect of tissue matching in high risk cornea transplant patients
- 1997 - 2004 NMDP Contract:
Principal Investigator for serology typing of donor samples

PUBLICATIONS

Journals

- Lurie D, **Cicciarelli JC**, Myers WL. Thymectomy in adult mice: a new approach. Lab Ann Sci 27:235-237, 1977.
- Cicciarelli JC**, Bernoco D, Terasaki PI, Shirahama S. Studies on HLA-A,-B,-C, and -D antigens monocytes. Transplant Proc 10(4):863-865, 1978.
- Cicciarelli JC**, Cooper MD, Myers WL. Prolongation of mouse skin allografts by splenectomy and lymphonodectomy following transplantation. Immuno Comm 8:249-262, 1979.
- Cicciarelli JC**, Terasaki PI, Chia D, Barnett EV, Mickey MR, Prince S, Iwaki Y, Shirahama S. A simple, rapid micro-latex fixation test. Clin Exp Immunol 38:181-185, 1979.
- Cicciarelli JC**, Chia D, Terasaki PI, Barnett EV, Shirahama S. IgM and anti-IgM cold lymphocytotoxins to B cells. Transplant Proc 11(4):1950-1953, 1979.
- Cicciarelli JC**, Chia D, Terasaki PI, Barnett EV, Shirahama S. IgM anti-IgM cytotoxins for B lymphocytes. Tissue Antigens 15:275-282, 1980.
- El-Awar N, Terasaki PI, Perdue S, **Cicciarelli JC**, Mickey MR. Discrimination of T, B, and null lymphocytes by electronic sizing. Tissue Antigens 15:346-360, 1980.
- Cicciarelli JC**, Iwaki Y, Terasaki PI, Guidera K, Shirahama S, Billing R, Hermes M, Cardman L, Kano T, Iwatsuki S, Koep L, Weil R, Starzl TE. Preliminary evidence of dual-market lymphocytes in thoracic duct lymph fluid. Transplant Proc 12:490-494, 1980.
- Cicciarelli JC**, Terasaki PI, Iwaki Y, Billing R, Isatsuki S, Starzl T. Ia antigen-bearing T cells appearing in lymph of thoracic duct fistula patients after four weeks of drainage. Transplant Proc 1980.
- Iwaki Y, Takahashi H, Nakato S, Matsumoto T, Omory K, Yamaguchi T, Horimi T, **Cicciarelli J**. Monocyte isolation from peripheral blood. Japan J Immunol 10:2863-66, 1980.



Cicciarelli JC, Terasaki PI, Iwaki Y, Billing R, Yamaguchi T, Takahashi H, Starzl T. DR-bearing T lymphocytes in thoracic duct lymph¹. Clin Immunol Immunopathol 18:32-38, 1981.

Takahashi H, Terasaki PI, **Cicciarelli JC**, Iwaki Y, Nasu H, Slyker T. Antibodies to human immunoglobulin detected by hemolysis of human immunoglobulin-coated red blood cells. Tissue Antigens 17:67-74, 1981.

Deng C, Terasaki PI, El-Awar N, Billing R, **Cicciarelli JC**, Lagasse L. Cytotoxic monoclonal antibody to a human leiomyosarcoma. Lancet 1(8217):403-405, 1981.

Hofman F, Foon K, Smith D, Kransler J, **Cicciarelli JC**, Billing R. Functional properties of subsets of T lymphocytes defined by specific antigens. Clin Exp Immunol 44:476-484, 1981.

Iwaki Y, Omori K, Takahashi H, Yamaguchi T, Nakata S, Matsumoto T, Horimi T, **Cicciarelli JC**. Separation of monocytes from peripheral blood leukocytes. Japan J Immunol Methods 8:2863, 1981.

Iwaki Y, Kasai M, Terasaki PI, Bernoco D, Park MS, **Cicciarelli JC**, Heintz R, Saxton RE, Burk M, Morton DL. Monoclonal antibody against A₁ Lewis d antigen produced by the hybridoma immunized with a pulmonary carcinoma¹. Cancer Res 42:409-411, 1982.

Cicciarelli JC, Ayoub G, Terasaki PI, Billing R. Improved HLA-DR typing of dialysis patients using monoclonal antibodies. Transplantation 33:558-560, 1982.

Cicciarelli JC, Perdue S, Terasaki PI. HLA-DR3 associated with improved kidney transplant survival. Transplant Proc 14:308-310, 1982.

Matsumoto N, Terasaki PI, Iwaki Y, **Cicciarelli JC**, Horimi T, Lau M. Inhibition of mixed-lymphocyte culture reaction by cold cytotoxins¹. Transplantation 36(2):214-218, 1983.

Cicciarelli J, Terasaki PI. Sensitization patterns in transfused kidney transplant patients and their possible role in kidney graft survival. Transplant Proc 15:1208-1211, 1983.

Terasaki PI, **Cicciarelli J**, et al. Monoclonal antibodies and cancer therapy. Immunohematology (Japan) 5:389, 1983.

Kaszubowski P, Terasaki PI, Hardiwidjaja S, **Cicciarelli J**. A cytotoxic monoclonal antibody to colon adenocarcinoma. Cancer Res 44:1194-1199, 1984.

Cicciarelli J, Terasaki PI, Cats S, Boggard T, Hardiwidjaja S, Mendez R. Treatment of human kidney graft rejection episodes with monoclonal antibodies specific to mononuclear leukocytes. Transplant Proc 7:1007-1008, 1985.

Terasaki PI, Cats S, **Cicciarelli J**, Toyotome A, Kinuwaka T, Wakisaka A. Use of monoclonal antibodies for kidney transplant patients. Transplant Proc 17(1):1521-1525, 1985.

Oei J, **Cicciarelli J**, Terasaki PI, Hardiwidjaja S, Mendez R. Treatment of kidney graft rejection with CHAL1 and CBL1 monoclonal antibodies. Transplant Proc 17:2740-2743, 1985.

Cicciarelli J, Mickey MR, Terasaki PI. Center effect and kidney graft survival. Transplant Proc 17:2803-2807, 1985.

Cecka JM, **Cicciarelli J**, Terasaki PI. Pre-transplant transfusions do not increase cadaver graft survival in nulliparous female recipients. Transplant Proc 17:2340-2343, 1985.



Manca F, **Cicciarelli J**, Corozzi S, et al. Alloreactive precursors are preserved in cyclosporine-treated patients. Transplant Proc 17:2717-2718, 1985.

Katz DV, Mickey MR, Cecka M, **Cicciarelli J**, Terasaki PI. The effect of individual HLA antigens on graft survival rates in kidney transplant patients. Uremia Invest 8:237-243, 1985.

Cicciarelli J, Terasaki PI, Mickey MR. HLA matching and cyclosporine immunosuppressant: a strong correlation. Lancet 1(8475):267, 1986.

Cicciarelli J, Terasaki PI, Mickey MR. The effect of zero mismatching HLA Class I and II effect in cyclosporine-treated kidney transplant patients. Transplantation 43:636-640, 1987.

Takiff H, Mickey MR, **Cicciarelli J**, Terasaki PI. Factors important in 10-year kidney graft survival. Transplant Proc 19:666-669, 1987.

Cicciarelli J, Terasaki PI. Is cyclosporine-A no match for tissue matching? Centers and HLA-A, B, DR zero mismatching effect. Transplant Proc 19:647-649, 1987.

Cecka JM, **Cicciarelli J**, Terasaki PI. Effects of cyclosporine A in cadaver donor re-transplants: a surprising effect in the sex of the donor. Transplant Proc 19:1842-1844, 1987.

Cicciarelli J, Terasaki PI, Cecka M, Mickey MR. Is cyclosporine a match for tissue typing centers: role of the zero HLA-A, B, and DR mismatch effect. Transplant Proc 19:4507-4510, 1987.

Cecka M, **Cicciarelli J**, Mickey MR, Terasaki PI. Blood transfusion and HLA matching, an either/or situation in cadaveric renal transplantation. Transplantation 45(1):81-86, 1988.

Pietrobbattista A, Cordaro M, **Cicciarelli J**, Tiberi L. Calculation of overjet, overbite, and skeletal overjet in relation to the Frankfort plane. Mondo Ortod 13(1):33-37, 1988.

Mendez R, **Cicciarelli J**, Mendez R, Bogaard T, Khetan U. HLA Class I and II antigen matching from a single large kidney transplant center. Transplant Proc 20:28, 1988.

Takiff H, **Cicciarelli J**, Yin L, Terasaki PI. Benefit of histocompatibility in cyclosporine-treated recipients of first cadaveric renal transplants and implications for kidney sharing. Transplant Proc 20:1 supp 1:39-40, 1988.

Cicciarelli J, Terasaki PI. Early kidney transplant function can be used to predict 1-year graft survival. Transplant Proc 20:1 supp 1:363-364, 1988.

Cicciarelli J, Terasaki PI. DR phenotype matching and transfusion in patients treated with cyclosporine. Transplant Proc 20(6):1082-1083, 1988.

Terasaki PI, Mickey MR, Cecka M, Iwaki Y, **Cicciarelli J**. A review of clinical transplants 1988. Immunology Letters 21:33-38, 1989.

Cicciarelli J, Terasaki PI. Arguments against HLA-A, -B, -DR mismatching in kidney transplant recipients. Transplant Proc 21:659-660, 1989.

Terasaki PI, Mickey MR, Iwaki Y, **Cicciarelli J**, Cecka M, Cook D, Yuge J. Long-term survival of kidney grafts. Transplant Proc 21:615-617, 1989.

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Mendez R, **Cicciarelli J**, Mendez RG, Boken R, Meihauss J, Boken R, Bogaard T, Chaballout A. HLA matching in a single kidney transplant center. Transplantation 51(2):348-350, 1991.

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Cicciarelli J, Terasaki PI. Matching cadaver transplants achieve graft survival comparable to living related transplants. Transplant Proc 23(1):1284-1288, 1991.

Aswad S, Mendez R, **Cicciarelli J**, Drake B, Neel A. Organ procurement costs in Southern California. Transplant Proc 23(5):2550-2552, 1991.

Neel A, Drake B, **Cicciarelli J**, Mendez R. Utilization of an altruistic marketing strategy for organ procurement. Transplant Proc 23(5):2537-2538, 1991.

Iwaki Y, **Cicciarelli J**, Aswad S, Gavazov M, Obispo E, Khetan U, Bogaard T, Asai P, Mendez RG, Mendez R. Cold ischemia time and MHC Class II matching in renal transplants. Transplant Proc 24(6):2456-2457, 1992.

Mendez R, Aswad S, Dessouki, A, **Cicciarelli J**, Mendez RG. Costs and financing of kidney transplantation in the United States. Transplant Proc 24(5):2127-2128, 1992.

Mendez R, Aswad S, Dessouki A, Mendez RG, Obispo E, Gavazov M, **Cicciarelli J**. Difficulties of foreigners seeking transplantation in the United States. Transplant Proc 24(5):2075-2076, 1992.

Mendez R, Aswad S, Obispo E, **Cicciarelli J**, Asai P, Khetan U, Sakhrani L, Mendez RG. Extending organ availability with living non-related renal transplants. Transplant Proc 24(5):2106-2107, 1992.

Mendez R, Aswad S, Mendez RG, **Cicciarelli J**, Asai P, Sakhrani L, Bogaard T, Khetan U, Flores N. Steroid withdrawal in HLA non-identical living-related donor transplant recipients. Transplant Proc 24(5):1891-1893, 1992.

Aswad S, **Cicciarelli J**, Mendez R., Dessouki A. Renal transplantation from a donor over 60 years old. Transplantation 53(1):213-214, 1992.

Scornik JC, LeFor WM, **Cicciarelli J**, Brunson ME, Bogaard T, Howard RJ, Ackermann W, Mendez R, Shires DL, Pfaff WW. Hyper-acute and acute kidney graft rejection due to antibodies against B cells. Transplantation 54:61-64, 1992.

Cicciarelli J, Helstab K, Mendez R, et al. Flow cytometry PRA, a new test that is highly correlated with graft survival. Clin Transplant 6:159-164, 1992.

Cicciarelli J, Iwaki Y, Mendez R, Asai P, Bogaard T, Khetan U, Mendez RG. Effects of cold ischemia time on cadaver renal allografts. Transplant Proc 25(1):1543-1546, 1993.

Hardy B, **Cicciarelli J**, Iwaki Y, Shaul D, Mendez R. The effect of donor age on graft survival rates in pediatric living-related transplants, first cadaver transplants, and re-grafts. Transplant Proc 26(1):44-45, 1994.

Musa S, Garcia-Gomez J, Matsubara K, **Cicciarelli J**, Iwaki Y. A comparison of PCR-SSP and a new homogenous method for HLA Class II DNA. Human Immunol, Jan. 1995.



Matsubara K, Takeda S, Iwaki Y, Cicciarelli J, Musa S, Garcia-Gomez J. A new, sensitive and simple method for HLA Class II DNA typing: oligonucleotide probe RNA hybridization SSOP-RH. Human Immunol, Vol 44, 37; 1995.

Cicciarelli J, Iwaki Y, McCalmon R, Thompson J. Renal transplant graft survival results and HLA-A, B, DR mismatching. Transplant Proc 27(1):660-663, 1995.

Hardy B, **Cicciarelli J**, Iwaki Y, Shaul D, Mendez R. Parameters governing graft survival in pediatric renal transplant recipients. Transplant Proc 27 (1):1086-1088, 1995.

Hermes M, Helstab K, **Cicciarelli JC**, Perry Y, Iwaki Y. Increased frequency of sensitization in black renal transplant recipients. Human Immunol 1997.

Iwata H, Barr ML, **Cicciarelli JC**, Iwaki Y, Schenkel FA, Fein H, Chan KM, Barbers RG, Starnes VA, Marboe CC. Living donor lobar lung transplants and HLA matching: a preliminary report. Transplant Proc 29:1418-1419, 1997.

Iwata H, Wada Y, Walsh M, Montgomery JA, Hirose H, Mendez R, **Cicciarelli J**, Iwaki Y. In vitro study of BCX-34: a human T-lymphocyte-specific purine phosphorylase inhibitor. Transplant Proc 30:983-986, 1998.

Cicciarelli J, Avilla D, Iwaki Y, Mendez R. High performance liquid chromatography cyclosporine monitoring: a predictor of renal graft outcome. Transplant Proc 30(5):1683, 1998.

Iwata H, Wada Y, Walsh M, Montgomery JA, Hirose H, Mendez R, **Cicciarelli J**, Iwaki Y. In vitro study of BCX-34: A new human T-lymphocyte-specific purine phosphorylase. Transplant Proc 30(4):983-986, 1998.

A.X. Li, Seul M, **Cicciarelli J**, Iwaki Y. A rapid accurate efficient methodology for HLA molecular typing. Human Immunology 62(1):145, 2001.

A.X. Li, Seul M, **Cicciarelli J**, Yang JC; and Iwaki Y. Multiplexed analysis of the polymorphisms in the HLA complex using bead array chips. Tissue Antigens 63:518-530, 2004.

Cicciarelli J. HLA typing immunogenetics and transplantation. Current Opinion in Organ Transplantation 9(1):1-7, 2004.

Hwang AH, Cho YW, **Cicciarelli J**, Mentser M, Iwaki Y, Hardy BE. Risk factors for short- and long-term survival of primary cadaveric renal allografts in pediatric recipients: a UNOS analysis. Transplantation 80(4):466-470, 2005.

Cicciarelli J, Cho Y, Mateo R, El-Shahawy M, Iwaki Y, Selby R. Renal biopsy donor group: the influence of glomerulosclerosis on transplant outcomes. Transplant Proc 37(2):712-713, 2005.

Cicciarelli J, Aswad S, Mendez R. Significant HLA matching effect in a large urban transplant center composed primarily of minorities. Transplant Proc 37(2):658-660, 2005.

Gagandeep S, Matsuoka L, Mateo R, Cho YW, Genyk Y, Sher L, **Cicciarelli J**, Jabbour N, Aswad S, Selby R. Expanding the donor kidney pool: utility of renal allografts procured in a setting of uncontrolled cardiac death. Am J Transplant 6:1682-1688, 2006.

Fong T, Cho YW, **Cicciarelli J**, Selby RR. Comparison of renal allograft outcomes in combined liver kidney transplantation versus subsequent kidney transplantation in liver transplant recipients. Transplantation 82(10):1298-1303, 2006.



Cicciarelli J, Kasahara N, Logg C, et al. Permanent lowered HLA Class I expression Using Lentivirus vectors with siRNA constructs. Transplant Proc 38(10):3184-3188, 2006.

Cicciarelli J, Shah Tariq, Koss M, Houston K, Naraghi R. Renal graft loss in recipients with at least one year of function and donor specific antibody (DSA). Clin Transplant 2006:539-40.

Qasi Y, Hermes M, **Cicciarelli J**. Graft loss in three patients with donor-specific antibody (DSA). Clin Transplant 2006:541.

Fong T, Hou L, Hutchinson IV, **Cicciarelli JC**, Cho YW. Impact of hepatitis C infection in outcomes following heart transplantation. N Engl J Med (in press)

Hardy BE, Shah T, **Cicciarelli J**, Lemley KV, Hutchinson IV, Cho YW. Kidney transplantation in children and adolescents – an analysis of OPTN/UNOS database. Transplantation (in press)

Hardy BE, Shah T, Lemley KV, **Cicciarelli J**, Hutchinson IV, Cho YW. Clinical polyomavirus disease in pediatric kidney transplant recipients – an analysis of OPTN/UNOS database. Transplantation (not yet submitted)

Cho YW, Shah T, Koss M, Houston K, Mendez R, Hutchinson IV, **Cicciarelli J**. Impact of kidney dysfunction with HLA class II donor specific antibody (DSA) on graft survival. Transplant Proc (not yet submitted)

Cho YW, **Cicciarelli J**, Koos M, Houston K, Mendez R, Kasahara N, Hutchinson IV, Shah T. Association between de novo donor specific antibody, C4d staining in renal graft biopsy and graft outcome. Transplant Proc (in press)

Book Chapters

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Cicciarelli J, Foon K, Terasaki PI. Leukocyte antigens. In: Cline M (ed) Methods in Hematology: Leukocyte Function. New York: Churchill-Livingston, Inc., pp 84-103, 1981.

Cicciarelli J, Terasaki PI. Immunological aspects of HLA crossmatching and transfusion in kidney transplantation. In: Garratty G (ed) Blood Group Antigens and Disease. New York. Am Assoc of Blood Banks, Arlington, VA. pp 149-164, 1983.

Drew SI, **Cicciarelli J**, Terasaki P. High dose serotherapy in cancer patients. In: Chatterjee S (ed) Monoclonal Antibodies. Littleton: PSG Publishing, pp 137, 1985.

Cicciarelli J, Terasaki P, Tokita K, Drew SI, Lemkin S, Sherman G, Quinlan T, Johnson C, Blyn L, Chia D, Kaszubowski P. Complement levels in cancer patients treated with monoclonal antibodies. Proc Intl Conf Monoclonal Antibodies. In: Chatterjee S (ed) Monoclonal Antibodies. Littleton: PSG Publishing, pp 137, 1985.

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Cecka M, **Cicciarelli J**. The transfusion effect. In: Terasaki PI (ed) Clinical Kidney Transplants 1985. Los Angeles: UCLA Tissue Typing Laboratory, pp 73-92, 1986.



Cicciarelli J. Transplant center and kidney graft survival. In: Terasaki PI (ed) Clinical Kidney Transplants 1985. Los Angeles: UCLA Tissue Typing Laboratory, pp 93-110, 1986.

Katz D, Mickey MR, Cecka M, **Cicciarelli J.** The immune response and HLA. In: Terasaki PI (ed) Clinical Kidney Transplants 1985. Los Angeles: UCLA Tissue Typing Laboratory, pp 205-215, 1986.

Cicciarelli J. Cyclosporine and trends in kidney transplantation. In: Terasaki PI (ed) Clinical Transplants 1986. Los Angeles: UCLA Tissue Typing Laboratory, pp 223-230, 1987.

Cicciarelli J, Cho RY. Re-graft kidney transplant survival. In: Terasaki PI (ed) Clinical Transplants 1986. Los Angeles: UCLA Tissue Typing Laboratory, pp 285-297, 1987.

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Benlarache C, Cecka M, Mickey MR, **Cicciarelli J.** The center effect. In: Terasaki PI (ed) Clinical Transplants 1987. Los Angeles: UCLA Tissue Typing Laboratory, pp 325-337, 1988.

Yuge J, **Cicciarelli J.** Kidney transplants and donor-recipient ages. In: Terasaki PI (ed) Clinical Transplants 1987. Los Angeles: UCLA Tissue Typing Laboratory, pp 361-371, 1988.

Cicciarelli J. HLA-DR1 is a low responsiveness antigen in human kidney transplant recipients. In: Terasaki PI (ed) Clinical Transplants 1987. Los Angeles: UCLA Tissue Typing Laboratory, pp 381-391, 1988.

Terasaki PI, Mickey MR, Cecka JM, **Cicciarelli J,** Cook D, Iwaki Y, Toyotome A, Wang L. Overview. In: Terasaki PI (ed) Clinical Transplants 1987. Los Angeles: UCLA Tissue Typing Laboratory, pp 467-490, 1988.

Cicciarelli J, Iwaki Y, Terasaki PI. Sensitization and its role in transplantation. In: Cerilli J (ed) Organ Transplantation and Replacement. New York: J.B. Lippincott, pp 196-208, 1988.

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Cicciarelli J, Corcoran S. An update on HLA matching including HLA "epitope matching": a new approach. In: Terasaki PI (ed) Clinical Transplants 1988. Los Angeles: UCLA Tissue Typing Laboratory, pp 329-338, 1989.

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Hardy S, **Cicciarelli J.** Living-related donor kidney transplants. In: Terasaki PI (ed) Clinical Transplants 1989. Los Angeles: UCLA Tissue Typing Laboratory, pp 343-352, 1990.

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Cicciarelli J, Cecka JM, Terasaki PI, Cho RY. Tissue matching, cyclosporine and responder status in re-grafted kidney transplant patients. In: Friedman A, DeSanto NC, Beyer M, Giardano C (eds) Prevention of Progressive Uremia. Philadelphia: Field & Wood, Inc. Medical Publishers, Vol. II, pp 13-18, 1990.



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Cicciarelli J, Cho Y. HLA matching: univariate and multivariate analyses of UNOS registry data. In: Terasaki PI (ed) Clinical Transplants 1991. Los Angeles: UCLA Tissue Typing Lab, pp 325-333, 1992.

Cicciarelli J, Helstab K, Mendez R, Flores N. Flow Cytometry PRA and crossmatching correlated to graft survival. In: Slapira Z, Yussin A, Hammer C (eds) Transplant Monitoring. Berlin: Pabst Verlay, pp 137, 1992.

Cicciarelli J, Iwaki Y. Blood transfusion effects in organ transplantation. In: Singal DP (ed) Immunological Effects of Blood Transfusion. pp 43-61, CRC Press, Boca Raton Ann Arbor, London Tokyo, 1994.

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Non-Peer Review

Cicciarelli J. HLA A, B, DR mismatch ranking for 27 possible combinations. In: Terasaki PI, ed. Visuals of the Clinical Histocompatibility Workshop. Los Angeles, CA: One Lambda, Inc. pp 14, 1988.

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