

CURRICULUM VITAE

Name: **Marc L. Melcher, MD, PhD**

Current Positions: Associate Professor, MCL
Program Director, General Surgery Residency
Stanford University
Division of Abdominal Transplantation
Department of Surgery

Work Address: Stanford University Medical Center
750 Welch Road Suite 200 - MC 5785
Palo Alto, CA 94304-1510
Tel: (650) 498-5688
Fax: (650) 723-3997
Cell: (650) 384-5316

Employment

Acting Assistant Professor of Surgery 08/01/2006 – 02/28/2007
Stanford University School of Medicine

Assistant Professor of Surgery, MCL 03/01/2007 – 4/30/2014
Stanford University School of Medicine

Associate Professor of Surgery, MCL 05/01/2014 –
Stanford University School of Medicine

Appointments and Positions

Associate Program Director of Stanford General Surgery Residency Program, 2006-2011.

Associate Program Director of Stanford Multiorgan Transplant Fellowship, 2010-.

Associate Member of Stanford Institute for Immunity, Transplantation, and Infection.

Physician Council, Executive Committee of *The Paired Organ Donor Network*, 2007-11

Freshman Advisor, Stanford University 2008 - 2009.

Invited Reviewer for *Sabiston Textbook of Surgery*. 18th ed 2008.

Faculty Advisor for *Organ Donor Education Group*, Stanford University undergraduates, 2008-.

Member of Vanguard Committee of the American Society of Transplant Surgeons: 2009-12.

Member of the 2011 ASTS Winter Symposium Planning Committee, 2010-2011.
Member of the 2012 ASTS Winter Symposium Planning Committee, 2011-2012.
Member of the 2013 ASTS Winter Symposium Planning Committee: 2012-2013.
Member of the ASTS Curriculum Committee: 2012-. Co-chair (2013-)
Program Director, San Francisco Surgical Society: 2010-2011.
Member of the *California Altruistic Living Donor Registry Working Group*: 2/2011 – 2/2013
Board Member, National Kidney Registry: 2011-
Chairman of National Kidney Registry Research Committee: 2011-.
Program Director, Stanford General Surgery Residency Program: 2011-.
Surgical Council, Stanford Surgery: 2011-
Co-chair and Organizer of the National Kidney Paired Donor Consensus Conference: Washington, DC. March 28-29, 2012.
Faculty at the 2012 American Transplant Congress: Boston, MA June 3-4, 2012.
Living Donation California Board of Advisors: February 2013 - . Helped launch a California Database for potential non-directed living donors (May 2013).
Advisory Committee on Organ Transplantation: a non-ACOT member of *Workgroup* for Kidney Paired Donation. 2013- .
Councilor, San Francisco Surgical Society: 2013-.
Member of ASTS Examination Development Group: 2014 - .
Invited Participant of Living Donor Best Practice Conference: June 5, 6, 2014. Rosemont, Ill. Work Group 3: Strategies to Reduce Disparities in Living Kidney Donation.

Education and Training

1985-1989	Harvard College, Cambridge, MA	BA	<i>magna cum laude</i> , Biochemistry
1989-1995	University of California, Berkeley	PhD	Molecular and Cellular Biology
1995-1999	Columbia College of Physicians and Surgeons	MD	<i>Alpha Omega</i> <i>Alpha</i>
1999-2000	Stanford University Medical Center	Intern	Surgery
2000-2003	Stanford University Medical Center	Resident	Surgery
2003-2004	Stanford University Medical Center	Administrative Chief Resident	Surgery
2004-2006	University of California, San Francisco	Fellow, Clinical Instructor	Transplant Surgery

Licenses, Certification

- 2000 Medical License, California (A73407).
2006 General Surgery, Board Certified (#51088).
2006 Certified for Kidney, Liver, and Pancreas Transplantation by the *American Society of Transplant Surgeons*.

Honors and Awards

- 1985 IBM Thomas J. Watson Scholarship
1988 Harvard College Scholarship
1989 *Magna cum laude*, Harvard College
1990 U.S. Public Health Service Predoctoral Traineeship GM07232
1999 Milton B. Rosenbluth Travel Fellowship, Kenya.
1999 *Alpha Omega Alpha*, Columbia College of Physicians and Surgeons
2003-2004 Administrative Chief Resident, Surgery, Stanford Medical Center
2009 Chair of “Concurrent Session 45: Kidney Living donor Paired Exchange/donor chains” at American Transplant Congress, Boston, June 1, 2009.
2010 Poster of Distinction, American Transplant Congress, San Diego. 2010.
2011 Moderator of “Oral Abstract Session” at the American Society of Transplant Surgeons Winter Symposium, Hollywood, Fl. June 15, 2011.

- 2011 Co-moderator of “Immunity, Transplantation and Tissue Engineering” Session of *The Surgical Forum*, San Francisco, CA. October 25, 2011.
- 2012 Co-moderator of Mini-Debates. “The IVC and Liver Transplantation” and “Diabetic with a Live Donor.” American Society of Transplant Surgeons Winter Symposium, Hollywood, Fl. January 14, 2012.
- 2012-13 Selected into the Stanford Faculty Fellow Program.
- 2012 Moderator of “Kidney Allocation and Wait Listing” at American Transplant Congress. Boston, MA. June 4, 2012.
- 2013 Moderator of “Oral Abstracts II” at 13th ASTS Winter Symposium, Miami, FL. February 3, 2013.
- 2013 Chief Residents Award (voted on by graduating chief residents) Recognizing the attending most of service to the residency.

Professional Societies

American Society of Transplant Surgeons: (2004),

- Vanguard Committee (2009-2011).
- 2011 Winter Symposium Planning Committee.
- 2012 Winter Symposium Planning Committee.
- 2013 Winter Symposium Planning Committee.
- 2013 Joint ASTS/NATCO Symposium Planning Committee.
- Curriculum Committee (2012-14) Co-chair (2013 -).
- Examination Development Group (2014-).

American College of Surgeons: Fellow of the American College of Surgeons (2009).

Association for Academic Surgery: (2007).

The Transplant Society: (2009).

San Francisco Surgical Society: (2009).

- Program Director (2010-2011).
- Councilor (2013-)

Pacific Coast Surgical Society: (2012).

Research Interests

Paired Kidney Donation.

Obesity in the kidney and liver pre- and post-transplant populations.

Applications of mobile devices in patient education. (<http://transplanttools.com>).

Optimization of Surgical Education

Previous Research Experience

Physics Research (Summers 1984, 1985, 1986): Research Assistant at IBM Watson Research Center, Yorktown Hts., NY; under Drs. David Awschalom and Keith Jenkins; I interfaced laboratory equipment to IBM PCs to acquire and graphically display data points and wrote an image analysis program for the electron microscope.

Microbiology (1988-1989): Harvard University, with Prof. Howard Berg; conducted molecular research on the roles of CheY and CheZ in bacterial chemotaxis for my Senior Honors Thesis.

Molecular Signaling Mechanisms (1989-1995): PhD dissertation: “Genetic and Biochemical Characterization of a Novel Protein Kinase from *Saccharomyces cerevisiae* Structurally Similar to a Ca²⁺/Calmodulin-Dependent Protein Kinase.” 1995.

Clinical Molecular Research (1998-1999): Study of growth factor levels in cyanotic versus acyanotic infants and children with congenital heart defects with Dr. Howard Zucker (Director of the Pediatric ICU, Babies Hospital at NY Presbyterian Hospital, Columbia Campus).

Clinical Research 2004-2005: a) Series review of laparoscopic donor nephrectomies at UCSF. b) Series review of bile duct complications in Adult-to-Adult living donor liver transplants.

Funding

Quark Clinical Trial: 12/6/2012 -, Direct Funding - \$90979. A study of medication for prevention of delayed graft functions in kidney transplantation.

Cryolife BARRIER Trial: 4/2010 – 2/ 2013. Direct Funding - \$54,175. A study of a hemostatic agent for liver surgery.

Peer Reviewed Publications (39 Total)

1. **Melcher, Marc L.** & Jeremy Thorner. 1996. Identification and characterization of the *CLK1* gene product, a novel CaM kinase-like protein kinase from yeast *Saccharomyces cerevisiae*. *Journal of Biological Chemistry* 271(47): 29958-29968. PMID: 8939941
2. **Melcher, Marc L.** and Bassem Safadi. 2003. Ileocolic intussusception in an adult. *J. Am Coll. Surg* 197(3):518. PMID: 12946809.

3. **Melcher, ML**, R.L. Lobato, and S.M. Wren. 2003. A novel technique to treat ruptured umbilical hernias in patients with liver cirrhosis and severe ascites. *J. Laparoendosc Adv Surg Tech A*. (5):331-2. PMID: 14617394
4. Norton, J.A., **ML Melcher**, F. Gibril, and R.T. Jensen. 2004. Gastric carcinoid tumors in multiple endocrine neoplasia-1 patients with Zollinger-Ellison syndrome can be symptomatic, demonstrate aggressive growth, and require surgical treatment. *Surgery*. 136(6):1267-74. PMID: 15657586
5. **Melcher, ML**, Carter JT, Posselt A, Duh QY, Stoller M, Freise CE, Kang SM. 2005. More than 500 consecutive laparoscopic donor nephrectomies without conversion or repeated surgery. *Arch Surg*. 140(9):835-9. PMID: 16172291.
6. Monika Tataria, MD, Rochelle A. Dicker, MD, **Marc Melcher, MD, PhD**, David A. Spain, MD, and Susan I. Brundage, MD, MPH. 2005. Spontaneous Splenic Rupture: The Masquerade of Minor Trauma. *J. Trauma* 59(9):1228-30. PMID: 16385305.
7. **Melcher, ML**, J. Olson, L.A. Baxter-Lowe, P.G. Stock, A.M. Posselt. 2006. Antibody-mediated rejection of a pancreas allograft. *Am. J. Transplantation* 6(2):423. PMID: 16426331. (featured in AJT Virtual Issue: [Antibody-Mediated Rejection \(ABMR\)](http://www.amjtrans.com/view/0/virtual.html#ABMR) (<http://www.amjtrans.com/view/0/virtual.html#ABMR>)).
8. Carter, J.T., **ML Melcher**, L.L. Carlson, M.E. Roland, P.G. Stock. 2006. Thymoglobulin-associated CD4+ T-cell depletion and infection risk in HIV-infected renal transplant recipients. *Am. J. Transplantation* 6(4): 753-760. PMID: 16539632. (featured in AJT Virtual Issue: [Infectious Disease Issues in Organ Transplantation](http://www.amjtrans.com/view/0/virtual.html#Infectious_Disease_Issues_in_Organ_Transplantation) (http://www.amjtrans.com/view/0/virtual.html#Infectious_Disease_Issues_in_Organ_Transplantation))
9. **Ladner, D., S. Busque, ML Melcher. 2008.** Overcoming immunological barriers to living donor kidney transplantation at Stanford University Medical Center. *SGH Proceedings* 17(1): 9-15.
10. Hlava, N., C.U. Neimann, M.A. Gropper, ML Melcher. 2009. Analytic reviews: postoperative infectious complications of abdominal solid organ transplantation. *J. Intensive Care Medicine* 24(1):3-17. PMID: 19017663.
11. Tafti, B., M. Haghdoost, L. Alvarez L, Curet M., Melcher ML 2009. Recovery of Renal Function in a Dialysis Dependent Patient Following Gastric Bypass Surgery. *Obesity Surgery* 19(9):1335-1339. PMID: 19693639
12. Butt, F., HA Gritsch, P Shulam, G. Danovitch, A. Wilkinson, J. Del Pizzo, S. Kapur, D. Serur, S. Katznelson, S. Busque, ML Melcher, S. McGuire, M.

- Charlton, G. Hil, J. Veale. 2009. Asynchronous, Out-of-Sequence, Transcontinental Chain Kidney Transplantation: A Novel Concept. *Am J Transplantation*. 9:2180-2185. PMID: 19563335
(featured in AJT Virtual Issue: *Living Liver and Kidney Donation* - http://www.amjtrans.com/view/0/virtual.html#Living_Liver_and_Kidney_Donation)
13. Melcher ML, JJ Pomposelli, JE Verbese, RA McTaggart, CE Freise, NL Ascher, JP Roberts, and EA Pomfret. Comparison of Biliary Complications in Adult Living-Donor Liver Transplants Performed at 2 Busy Transplant Centers. *Clin Transplant*. 2010 Sep-Oct;24(5):E137-44. PMID: 20047615.
 14. Melcher ML, CE Friese, NL Ascher, and JP Roberts. Outcomes of Surgical Repair of Bile Leaks and Strictures After Adult-to-Adult Living Donor Transplant. *Clinical Transplantation*. 2010 Nov; 24(6):E230-5. PMID: 20529098
 15. Virgilio C, A Yaghoobian, A Kaji, JC Collins, K Deveney, M Dolich, D Easter, OJ Hines, S Katz, T Liu, A Mahmoud, ML Melcher, S Parks, M Reeves, A Salim, L Scherer, D Takanishi, K Waxman. Predicting Performance on the American Board of Surgery Qualifying and Certifying Examinations. *Arch Surg*. 2010; 145(9):852-856. PMID: 20855755.
 16. Lamba M, Tafti B, Melcher M, Chan G, Krishnaswami S, Busque S. Population Pharmacokinetic Analysis of Mycophenolic Acid Coadministered With Either Tasocitinib (CP-690,550) or Tacrolimus in Adult Renal Allograft Recipients. *Ther Drug Monit*. 2010 Dec (6):778-81. PMID: 20926996
 17. Morrow EH, Gallo AE, Melcher ML. Sclerosing Peritonitis after Kidney Transplantation: A Not-So-Silky Cocoon. *Dig Dis Sci*. 2011 Feb; 56(2):307-310. PMID: 21063775
 18. Segev DL, Veale JL, Berger JC, Hiller JM, Hanto RL, Leeser DB, Geffner SR, Shenoy S, Bry WI, Katznelson S, Melcher ML, Rees MA, Samara EN, Israni AK, Cooper M, Montgomery RJ, Malinzak L, Whiting J, Baran D, Tchervenkov JI, Roberts JP, Rogers J, Axelrod DA, Simpkins CE, Montgomery RA. "Transporting Live Donor Kidneys for Kidney Paired Donation: Initial National Results." *Am J Transplant*. 2011 Feb; 11(2):356-360. PMID: 21272238
 19. Amy Lightner, James Lau, Patricia Obayashi, MS, RD, Kristine Birge, **Marc L. Melcher**. "Potential Nutritional Conflicts in Bariatric and Renal Transplant." *Obesity Surgery*, 2011 Apr 28. [Epub ahead of print]. PMID: 21526378

20. Debbie A. Mast, William Vaughan, Stephan Busque, Jeff L. Veale, John P. Roberts, Barry M. Straube, Nanci Flores, Charlotte Canari, Elaine Levy, Andrea Tietjen, Garet Hil, **Marc L. Melcher**. "Managing Finances of Shipping Living Donor Kidneys for Donor Exchanges." *Am J Transplant*. 2011 Sep 9. PMID: 21831153
21. Anand S, Yabu JM, **Melcher ML**, Kambham N, Laszik Z, Tan JC. Cytomegalovirus in the transplanted kidney: a report of two cases and review of prophylaxis. *Nephrology Dialysis Transplantation Plus* 2011; 4(5):342-345. 2011-09-28.
22. Kim IK, Tan JC, Lapasia J, Elihu A, Busque S, **Melcher ML**. "Incidental kidney stones: a single center experience with kidney donor selection." *Clin Transplant*. 2012 Jul; 26(4):558-63. PMID: 22168332.
23. Munoz Mendoza J, **Marc L. Melcher**, Bruce Daniel, and Jane C. Tan. "Multiple renal arteries and non-contrast magnetic resonance angiography in transplant renal artery stenosis: Case report and incidence review." *Clin Kidney J* (2012) 5: 272-27. 3 June 2012.
24. **Melcher ML**, Leeser DB, Gritsch HA, Milner J, Kapur S, Busque S, Roberts JP, Katznelson S, Bry W, Yang H, Lu A, Mulgaonkar S, Danovitch GM, Hil G, Veale JL. "Chain Transplantation: Initial Experience of a Large Multicenter Program." *American Journal of Transplantation*. 12(9):2429-2436. 2012 Sep. (featured on the journal cover). PMID: 22812922.
25. Timothy A. Plerhoples, RS Greco, T Krummel, **ML Melcher**. "Symbiotic or Parasitic? A Review of the Literature on the Impact of Fellowships on Surgical Residents." *Annals of Surgery*, 2012 Dec. 256(6):904-8. PMID: 22968071.
26. Yaghoubian A, Galante J, Kaji A, Reeves M, **Melcher M**, Salim A, Dolich M, de Virgilio C. "General Surgery Resident Remediation and Attrition: A Multi-Institutional Study." *Arch Surg*. 1 Sep 2012; 147(9):829-33. PMID: 22987173.
27. JM Yabu, MJ Pando, S Busque, **ML Melcher**. "Desensitization Combined with Paired Exchange Leads to Successful Transplant in Highly Sensitized Kidney Transplant Recipients: Strategy and report of Five Cases." *Transplant Proceedings*. Jan 2013. 45(1):82-87. PMID: 23375278.
28. **Melcher ML**, Veale JL, Javaid B, Leeser DB, Davis CL, Hil G, Milner JE. Kidney transplant chains amplify benefit of nondirected donors. *JAMA Surg*. 2013 Feb 1. 148(2):165-9. PMID: 23426593.

29. **Melcher ML**, Blosser CD, Baxter-Lowe LA, Delmonico FL, Gentry SE, Leishman R, Knoll GA, Leffell MS, Leichtman AB, Mast DA, Nickerson PW, Reed EF, Rees MA, Rodrigue JR, Segev DL, Serur D, Tullius SG, Zavala EY, Feng S. "Dynamic Challenges Inhibiting Optimal Adoption of Kidney Paired Donation: Findings of a Consensus Conference." *Am J Transplant*. 2013 Feb 7. 13(4):851-60. PMID: 23398969.
30. Babak Hajhosseini, Bryan Stewart, Jane C. Tan, Stephan Busque, **Marc L. Melcher**. "Evaluating deceased donor registries: identifying predictive factors of donor designation." *American Surgeon*. 2013 Mar; 79(3):235-41. PMID: 23461946.
31. Zachary Kastenber, K. Rhoads, **ML Melcher**, S Wren. "The Influence of Intern Home Call on Objectively Measured Perioperative Outcomes." *JAMA Surg*. 2013 Apr 1. 148 (4): 347-51. PMID: 23247836.
32. Schwartz SI, Galante J, Kaji A, Dolich M, Easter D, **Melcher ML**, Patel K, Reeves ME, Salim A, Senagore AJ, Takanishi DM, de Virgilio C. "The Effect of the 16-Hour Shift on General Surgery Intern Operative Case Volume—A Multi-institutional Study." *JAMA Surgery*. *JAMA Surg*. 2013 Jul 10, 2013. PMID: 23843028.
33. Lum EL, Morton JM, **Melcher ML**. "Kidney failure in a transplant from an identical twin." *Am J Kidney Dis*. 2013 Aug; 62(2):A21-3. PMID: 23883662.
34. Wong RJ, Wantuck J, Valenzuela A, Ahmed A, Bonham C, Gallo A, **Melcher ML**, Lutchman G, Concepcion W, Esquivel C, Garcia G, Daugherty T, Nguyen MH. "Primary Surgical Resection Versus Liver Transplantation for Transplant-Eligible Hepatocellular Carcinoma Patients." *Dig Dis Sci*. 2014 Jan;59(1):183-91. PMID: 24282054
35. Valenzuela A, Ha NB, Gallo A, Bonham C, Ahmed A, **Melcher M**, Kim LH, Esquivel C, Concepcion W, Ayoub WS, Lutchman GA, Daugherty T, Nguyen MH. "Recurrent Hepatocellular Carcinoma and Poorer Overall Survival in Patients Undergoing Left-sided Compared With Right-sided Partial Hepatectomy." *J Clin Gastroenterol*. 2014 May 6. [Epub]. PMID: 24804988.
36. Rachel L. Yang, Micaela Esquivel, Jennifer Erdrich, James Lau, **Marc L. Melcher** and Irene L. Wapnir. PREDICT: Instituting an Educational Time Out in the Operating Room. *JGME*. June 2014. p.382-3. PMID: 24949168.

37. Orandi BJ, Garonzik-Wang JM, Massie AB, Zachary AA, Montgomery JR, Van Arendonk KJ, Stegall MD, Jordan SC, Oberholzer J, Dunn TB, Ratner LE, Kapur S, Pelletier RP, Roberts JP, **Melcher ML**, Singh P, Sudan DL, Posner MP, El-Amm JM, Shapiro R, Cooper M, Lipkowitz GS, Rees MA, Marsh CL, Sankari BR, Gerber DA, Nelson PW, Wellen J, Bozorgzadeh A, Gaber AO, Montgomery RA, Segev DL. "Quantifying the Risk of Incompatible Kidney Transplantation: A Multicenter Study." *Am J Transplant*. 2014 Jun 9. PMID: 24913913.
38. L.A. Baxter-Lowe, M Cecka, M. Kamoun, J. Sinacore, and **ML Melcher**. "Successful Virtual Crossmatching in a Large Multicenter Registry for Kidney Paired Donation Using Center-specific Criteria for Determining Unacceptable Antigens." *Am J Transplant*. 2014 Jun 16. PMID: 24934640.
39. Edward Gifford, Joseph Galante, Amy H. Kaji, Virginia Nguyen, M. Timothy Nelson, Richard A. Sidwell, Thomas Hartranft, Benjamin Jarman, Marc Melcher, Mark Reeves, Christopher Reid, Garth R. Jacobsen, Jonathan Thompson, Chandrakanth Are, Brian Smith, Tracey Arnell, Oscar J. Hines, Christian de Virgilio. Factors Associated With General Surgery Residents' Desire to Leave Residency Programs: A Multi-institutional Study. *JAMA Surg*. 2014 July 30. PMID: 25075473.

Book Chapters (4 published)

1. **Marc L. Melcher**, M. Pausch, and J. Thorner. "ScCaMKII CaM-dependent PKII (*S. cerevisiae*)." *Protein Kinase Factbook*. (1995). Vol 1, p143-5. Academic Press, London. ed. DG Hardie & SK Hanks, Academic Press.
2. **Marc L. Melcher** and John P. Roberts. "Risks and Outcomes of Pediatric Liver Transplantation." *Pediatric Transplantation*, 2nd edition. (2007). Blackwell. London.
3. Stephan Busque, **Marc L. Melcher**, Dev M. Desai, Carlos O. Esquivel. "Liver/Kidney Transplantation." *Anesthesiologist's Manual of Surgical Procedures*, 4th edition. (2009). Lippincott Williams & Wilkins. Philadelphia, PA. ed. RA Jaffe & SI Samuels.
4. Amy Gallo, **Marc L. Melcher**, Dev M. Desai, Carlos O. Esquivel. "Liver/Kidney Transplantation." *Anesthesiologist's Manual of Surgical Procedures*, 5th edition. (2014). Wolters Kluwer Health. Philadelphia, PA. ed. RA Jaffe.
5. Elyssa Feinberg, **Marc L. Melcher**. "Kidney Transplantation." *Operative Techniques in Surgery*. *In press*. M. Mulholland, D. Albo, R. Dalman, M. Englesbe, M. Hawn, S. Hughes, M. Sabel, eds.

Online References

1. **Marc L. Melcher** and Glen Lutchman. “Non-alcoholic Steatohepatitis and Liver Transplantation.” ASTS Academic Universe. 2011.
2. **Marc L. Melcher** and Alan Leichtman. “AST Webinar: 2012 KPD Consensus Conference Overview.”

Non-peer-Reviewed Publications

Melcher, Marc L., SY Kong, T. Makki, Daniela Ladner. “Paired exchange kidney donation & donor chains in kidney transplantation,” <http://knol.google.com/k/marc-l-melcher/paired-exchange-kidney-donation-donor/czh9hg01w684/1#>

Presentations

National

1. “Gastric carcinoid tumors in multiple endocrine neoplasia-1 patients with Zollinger-Ellison syndrome can be symptomatic, demonstrate aggressive growth, and require surgical treatment.” 25th Annual Meeting of the American Association of Endocrine Surgeons, Charlottesville, Virginia. April 5, 2004.
2. “525 consecutive laparoscopic donor nephrectomies without conversion or reoperation,” oral paper, Pacific Coast Surgical Association, Laguna Niguel, CA. February 19, 2005.
3. “Biliary anatomy is a determinant of bile duct complications in adult living donor liver transplantation.” World Transplant Congress, Boston, MA. July 26, 2006.
4. “Recipient and Donor Education in Paired Donor Transplantation.” Paired Donor Network Training Conference. Orlando, Fl. February 7, 2009.
5. “Living Donor Kidney Transplantation: An opportunity to transplant the otherwise untransplantable.” The 10th Annual Innovations in Transplantation and the Treatment of Complex Medical Conditions. San Diego, CA. March 5, 2009.
6. “Surgically Difficult Kidney/Pancreas Cases” 11th Annual ASTS Winter Symposium. Hollywood, FL. January 15, 2011.
7. “Kidney Transplant Chains Amplify Benefit of Non-Directed Donors.” oral paper, Co-authors: J Veale, D Leaser, B Javaid, C Davis, G Hil, J Milner. 2012 Pacific Coast Surgical Association. Napa Valley, CA. February 19, 2012.

8. "General Surgery Resident Remediation and Attrition: A Multi-Institutional Study." [role of closer] 2012 Pacific Coast Surgical Association. Napa Valley, CA. February 20, 2012.
9. "Implementing Kidney Paired Exchange." National KPD Consensus Conference. Washington, DC. March 29, 2012.
10. "Efficient Use of Unstandardized Virtual Crossmatching Enables Transplants through Multicenter Kidney Paired Donation." Plenary talk. American Transplant Congress, Boston, MA. June 3, 2012.
11. "The Best and Worst Aspects of Our Program." Sunrise Symposium, "Kidney Paired Donation: Lessons, Finances, and Progress." American Transplant Congress, Boston, MA. June 4, 2012.
12. "Competition is the American Way: The Benefits of Multiple Kidney Paired Donor Programs in the USA." 13th Annual ASTS Winter Symposium. Miami, FL. February 1, 2013.
13. "Paired Kidney Donation: Coming of Age a.k.a. Growing Pains." Division of Transplantation Grand Rounds, University of Cincinnati Physician. Cincinnati, OH. February 26, 2013.
14. "The Finding of the National Consensus Conference on Kidney Paired Donation." American Transplant Congress, Seattle, WA. May 19, 2013.
15. "Mobile Apps in Transplantation." American Transplant Congress, Seattle, WA. May 21, 2013.
16. "Kidney Paired Donation - Striving to reach its full potential" NKF 45th Annual Medical Symposium. September 27, 2013.

International

1. "Overcoming immunological barriers to living donor kidney transplantation." Symposium. SGH 16th Annual Scientific Meeting, Singapore. April 29, 2007.
2. "Brave New World: Progress and problems in multiorgan transplantation." Plenary Session. SGH 16th Annual Scientific Meeting, Singapore. April 29, 2007.
3. "Chain Transplantation in the United States." XI Corso Di Aggiornamento Sul Trapianto Di Rene. Università di Pavia. Pavia, Italy. September 13, 2013.

Local

1. "Laparoscopic donor nephrectomies at UCSF," Surgical Grand Rounds, UCSF. San Francisco, CA. June 1, 2005.
2. "Overcoming Barriers to Kidney Transplantation." Surgery Grand Rounds, Stanford University. October 30, 2007.
3. "Clinical Overview of Kidney Transplantation." Nursing Teaching Day. Stanford University Medical Center. November 9, 2007.
4. "Paired Organ Donation." National Kidney Foundation, CME Series. Sacramento CA. September 8, 2008.
5. "Paired Organ Donation." National Kidney Foundation, CME Series. Burlingame, CA. September 9, 2008.
6. "Decision Analysis in Organ Transplantation." Seminars in Decision and Risk Analysis, Stanford University. October 30, 2008.
7. "Getting to Transplant." Bay Area Association of Kidney Patients Meeting. Palo Alto, CA. January 11, 2009.
8. "A Strategy for Transplanting Patients with Healthy but Immunologically Incompatible Donors." Surgery Grand Rounds. Stanford University. Nov 17, 2009.
9. "Overview of Kidney Transplantation." Stanford Urology Resident Education. Stanford University. August 27, 2010.
10. Surgery Residency Core-Course – Kidney Transplantation. Stanford University. March 13, 2012.
11. "Complex Decision Making in Living Donor Chains." Lessons in Decision Making Seminar, Stanford University. May 14, 2012.
12. "Careers in Medicine: My Journey." Careers in Medicine Course. Invited by Neil Gesundheit, MD. May 2, 2013.
13. "Kidney Transplantation." Sophomore Seminar Series. Invited by Drs. Olivia Martinez and Sherry Krams. April 15, 2014.

Abstracts (38 total)

1. **Melcher, ML**, J Thorner. Gordon Conference on Calcium Signaling, 1993. Henniker, NH.
2. Carter, J.T., **ML Melcher**, L.L. Carlson, M.E. Roland, CE Friese, R Hirose, P.G. Stock. Safety and efficacy of thymoglobulin in HIV-positive renal transplant recipients. *American Journal of Transplantation*, 5:547 Suppl. May 2005.
3. **Melcher, ML**, RA McTaggart, D Macleod, CE Freise, NL Ascher, and JP Roberts. "Outcomes of Surgically Managed Bile Duct Complications after Living Donor Liver Transplantation." World Transplant Congress, July 22-27, 2006, Boston, MA. *Transplantation* 82 (1), 839.
4. Amy E. Gallo, Deepthy Damien, Tami J. Daugherty, Clark A. Bonham, Jason Vanetta, Waldo Concepcion, Carlos O. Esquivel, and **Marc L. Melcher**. "Pre-Transplant Viral Load Predicts Mortality after Retransplantation for Recurrent Hepatitis C." ASTS 8th Annual State of the Art Winter Symposium, January 26, 2008, Marco Island, FL.
5. Tami J. Daugherty, Deepthy Damien, C. Andrew Bonham, Daniela Ladner, Waldo Concepcion, Carlos O. Esquivel, **Marc L. Melcher**. "Anti-Thymocyte Globulin Induction and Steroid Minimization Reduces Rate of Rejection in HCV Liver Transplant Patients." ASTS 8th Annual State of the Art Winter Symposium. January 26, 2008, Marco Island, FL.
6. Debra Mast, Stephan Busque, Kim Standridge, **Marc L. Melcher**. "Optimizing Financial Management for Paired-Donor Exchanges", OPTN/UNOS Transplant Administrators Meeting, April 22, 2009, Seattle, WA.
7. **Marc L. Melcher**, D. Mast, K. Standridge, S. Goldberg, C. Moyle, N. Flores, S. Busque. "Accounting for Donor Charges in Kidney Donor Chains" American Transplant Congress, May 30-June 3, 2009, Boston, MA. *American Journal of Transplantation*, 9:435-436 Suppl. 2 2009.
8. Fauzia K Butt, H Albin Gritsch, Peter Schulam, Suzanne McGuire, Gabriel Danovitch, Alan Wilkinson, Joseph Del Pizzo, Sandip Kapur, David Leeser, David Serur, Steve Katznelson, Stephan Busque, **Marc Melcher**, Gareth Hil and Jeffrey Veale. "The MATCH: Modified-Sequence Asynchronous Transplant Chain", American Transplant Congress, May 30-June 3, 2009, Boston, MA. *American Journal of Transplantation*, 9:284-285 Suppl. 2 2009.

9. J. Veale, F. Butt, G. Danovich, A. Wilkenson, P. Schulam, J. Del Pizzo, S. Kapur, D. Leaser, d. Serur, S. Katznelson, S. Busque, **ML Melcher**, S. McGuire, M. Charlton, G. Hil, JM Cecka. ‘Something Special in the Air’: Transcontinental Shipments of Living Donor Kidneys for Transplantation”. American Transplant Congress, May 30-June 3, 2009, Boston, MA. *American Journal of Transplantation*, 9:435-435 Suppl. 2 2009.
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- HCC MELD Exception Calculator
- HCC TTV Calculator