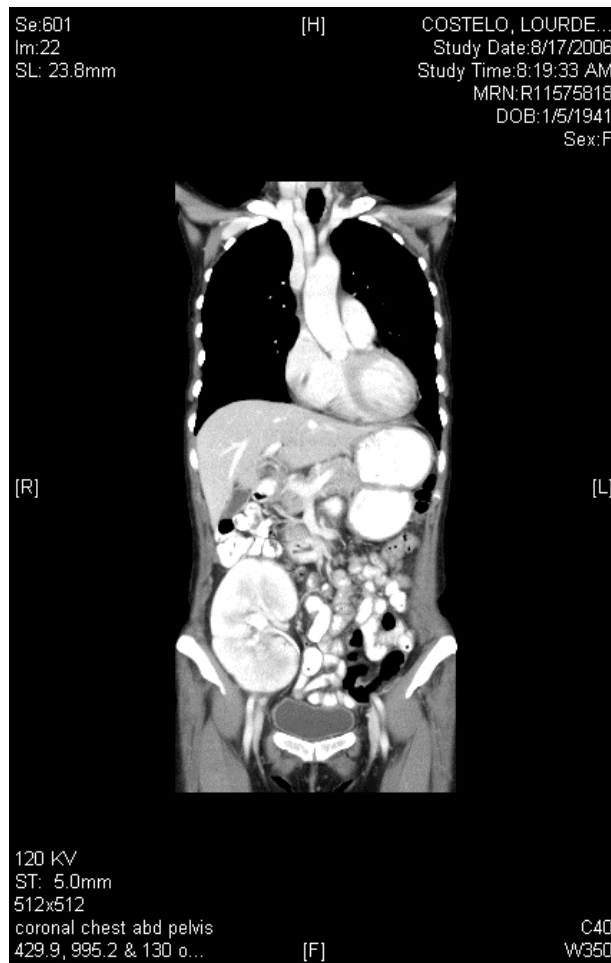


ANNUAL REPORT – 2006  
DIVISION OF ORGAN TRANSPLANTATION  
RHODE ISLAND HOSPITAL



Data as of September 26, 2006

## Transplant Services

### STAFF

Anthony Monaco, MD, Director  
Paul Morrissey, MD, Surgical Director  
Reg Gohh, MD, Medical Director  
Angelito Yango, MD, Nephrology  
Amitabh Gautam, MD, Surgery  
Chris Cosgrove, MD, Nephrology  
Staci Fischer, MD, Infectious Disease  
Lowell McRoberts, MD, Psychiatry  
Carolyn Young, MD, Tissue Typing  
Bette Hopkins, RN, Manager  
Mary Ellen Espanola, RN, Coordinator  
Nancy McNamara, RN, Coordinator

Mary Buckley, Social Work  
Cynthia Rogers, Social Work  
Jim Beaulieu, Transplant Pharmacist  
Sonia Lin, URI Pharmacy  
Linda Kelleher, Nutritionist  
Yadira Caminero, Analyst – Data Entry  
Anne Newberg, Pre-transplant Specialist  
Rachel Kohler, Secretary  
Gerri Anders, Secretary  
Elena Morgans, Research Coordinator  
Maria Medeiros, RN, Research  
Sue Sekelsky, Administration

Direct Numbers:

<b><u>Individual</u></b>	<b><u>Office</u></b>	<b><u>Pager</u></b>
Morrissey	444-5285 (Gerri)	350-1385
Gautam	444-5285	350-7600
Gohh	444-8345 (Rachel)	350-5553
Yango	444-8345	350-1916
Monaco	617-632-9822 (Claire)	
Bette Hopkins	444-3285	350-5523
ME Espanola	444-7871	350-5261
Nancy McNamara	444-3186	350-0769
Mary Buckley	444-8433	350-4195
Anne Newberg	444-2017	

### QUESTIONS ABOUT:

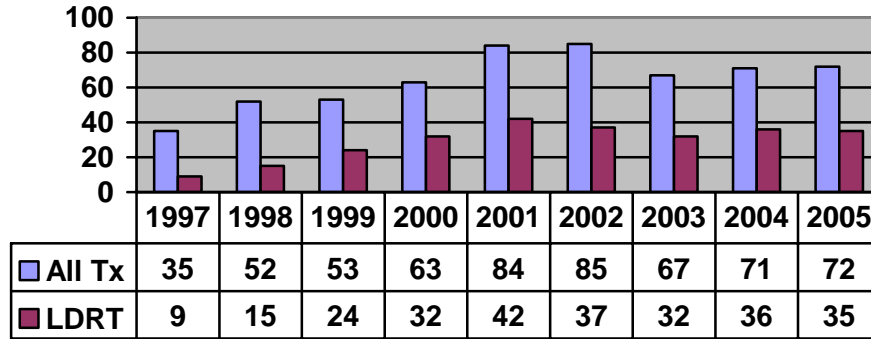
Pretransplant evaluation or listed patients      Call Anne  
Post-Tx Care (Meds, labs, etc.)      Call Elaine, Mary Ellen or Rachel  
New patients with insurance issues      Call Anne  
Potential Donors      Call Bette

E-mail: [pmorrissey@lifespan.org](mailto:pmorrissey@lifespan.org) or [bgarcia@lifespan.org](mailto:bgarcia@lifespan.org).

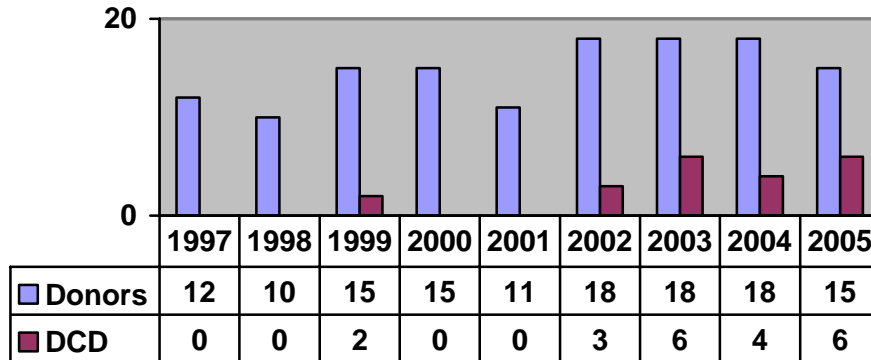
KIDNEY TRANSPLANTATION – Activity (Data as of December 31, 2005)

**Renal Transplant Activity - RIH**

LDRT = Live Donor Renal Transplant



**Deceased Donor Activity - RIH**



## KIDNEY RECIPIENTS

631 Recipients	(1997 – 9/26/06)
22 Pediatric	(100% patient, 82% allograft survival)
Recipient Age (mean)	46 years (range 2 – 80)
IDDM as cause of ESRD	152 (24 %)
Average length of stay	
Recipient	7.6 days
Donor	3.6 days
Live donors	291 (46 %)

<u>Patient Survival</u>	<u>1-year (%)</u>	<u>3-year</u>
LDRT	97	96
CRT	92	88

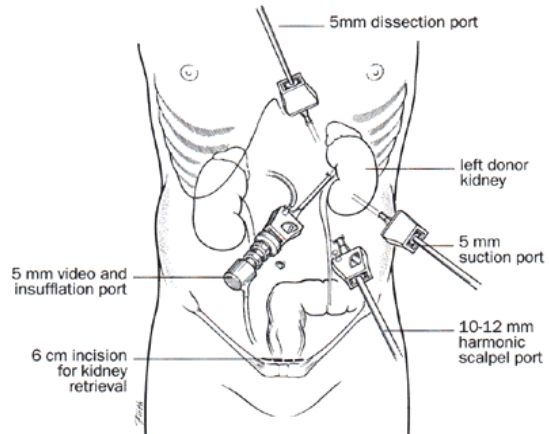
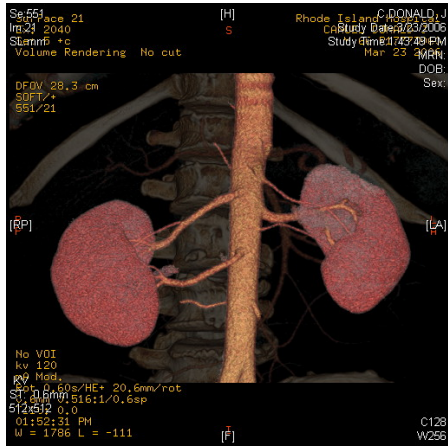
<u>Allograft Survival*</u>	<u>1-year</u>	<u>3-year</u>
LDRT	96	94
CRT	94	90

\* (Censored for death with function)

## RENAL FUNCTION (Mean follow-up of 48 months)

<u>Creatinine</u>	<u>N</u>	<u>Percent</u>
< 1.5	255	40
1.5 – 1.9	136	22
2.0-2.4	60	10
2.5-2.9	8	1
> 2.9	24	4
Dialysis	60	10
Died	87	14
<b>TOTAL</b>	<b>493</b>	<b>100</b>

LIVE DONORS (N=291; 46% of all transplants)



Delayed graft function      11 cases (4 %)  
 Primary graft nonfunction    6 cases (2 %)  
 Average donor stay            3.7 days

Laparoscopic donors          39

Altruistic (“Good Samaritan”) donors:

- Donate to top listed patient      12
- Donate to specific stranger        9

N.B. – *These 21 people who donated to strangers comprise the second largest experience in “altruistic kidney donation” in the United States; the largest is at the University of Minnesota.*

Paired Kidney Exchange:

On July 11<sup>th</sup> of this year Rhode Island Hospital and the Beth Israel-Deaconess Hospital combined teams to complete the third three-way live donor kidney exchange in the United States (1<sup>st</sup> – Johns Hopkins, 2<sup>nd</sup> – Columbia-Presbyterian). As of this writing all three donors and recipients are doing well.

## Exchange overcomes the odds

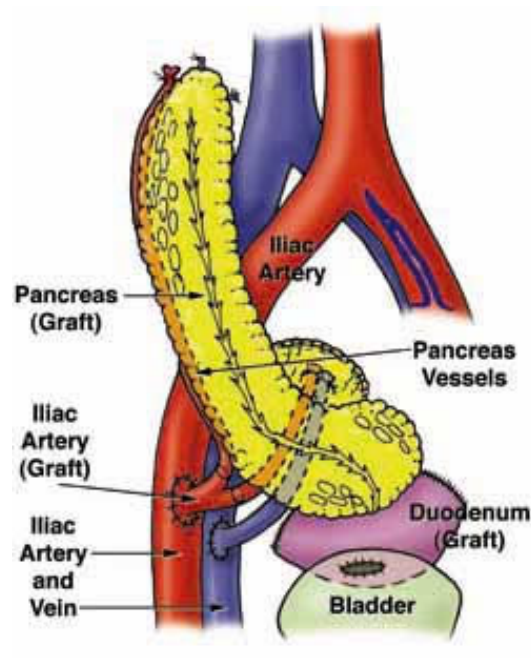
Two Rhode Island men and a woman in Massachusetts receive kidneys this week in a groundbreaking exchange among three living donors and three people in need.

01:00 AM EDT on Friday, July 14, 2006

BY EDWARD FITZPATRICK, Journal Staff Writer

PROVIDENCE -- For the first time in New England and third time in the United States, a kidney exchange among three sets of people has taken place, giving new kidneys to two Rhode Island residents.

## PANCREAS TRANSPLANTATION



Twenty-three patients received 24 pancreas transplants since 10/24/02.

- 19 were PAK (pancreas after kidney transplants); 5 as simultaneous pancreas-kidney (SPK)
- Patient survival is 100%.
- 16/24 transplants are functioning (5 were lost to thrombosis, 2 rejection, 1 bleeding).
- One patient with thrombosis underwent successful transplantation 4 months later.
  
- HgbA1c with a functioning pancreas are 4.8-6.3.

*New referrals with IDDM as their cause of ESRD and no potential living donors will be evaluated for SPK (simultaneous pancreas-kidney) transplantation.*

## Recent Contributions to the Literature and National Meetings

- Gohh RY, Yango A, Morrissey PE, Monaco AP. Comparative study of prophylactic oral ganciclovir and valganciclovir in high-risk kidney transplant recipients. **Nephrol Dial Transplant**, 18: 809-813, 2003.
- Morrissey PE. Should we use organs from donors with CNS malignancy? More data still no answer [editorial]. **Transplantation** 76: 280-281, 2003.
- Gohh RY and Morrissey PE. Altruistic living donors: exploring the option. 3<sup>rd</sup> International Congress of Nephrology in Internet, URL: [www.uninet.edu/cin2003/conf/gohh/gohh.html](http://www.uninet.edu/cin2003/conf/gohh/gohh.html).
- Morrissey PE, Gohh R, Yango A, Gautam A, Monaco AP. Renal transplant survival from older donors: a single center experience. **Arch Surg** 139: 384-389, 2004.
- Morrissey PE, Gautam A, Amaral JF, Monaco AP. Keeping up with the Jones's: Open donor nephrectomy in the laparoscopic era. **Transplant Proc** 36: 1285-1287, 2004.
- Delmonico FL, Morrissey PE, Lipkowitz G et al. Donor Kidney Exchanges. **Am J Transplant** 4: 1628-1634, 2004.
- Ryder B, Gohh RY, Hopkins B, Yango A, Morrissey PE. Sensitization in Renal Transplantation. **Surg Rounds** 360-365, 2004.
- Tran MQ, Gohh RY, Morrissey PE, et al. Cryptosporidium infection in renal transplant patients. **Clinical Nephrol** 63: 305-309, 2005.
- Morrissey PE, Reinert S, Gohh R, Yango A, Gautam A, Monaco AP. Factors contributing to acute rejection in renal transplantation: the role of noncompliance. **Transplant Proc** 37: 2044-2047, 2005.
- Morrissey PE, Fan PY. Renal replacement therapy after liver transplantation [letter]. **Transplantation** 80: 425, 2005.
- Morrissey PE, Dube C, Gohh RY, Yango A, Gautam A Monaco AP. Good Samaritan Kidney Donation. **Transplantation** 80: 1369-73, 2005.
- Gautam A, Morrissey PE, Gohh R, Yango A, Monaco AP. Experience with sirolimus for calcineurin minimization/elimination in pancreas-after-kidney transplantation. **Transplant Proc** 37: 3542 – 3543, 2005.
- Gohh RY, Savin V, Morrissey PE, Yango A, Gautam A, Monaco AP, McCarthy ET. Preemptive plasmapheresis and recurrence of FSGS in high-risk renal transplant recipients. **Am J Transplant** 5:2907-12, 2005.
- Grossberg J, Reinert SE, Monaco AP, Gohh RY, Morrissey PE. Utility of a mathematical nomogram to predict delayed graft function: a single-center experience. **Transplantation** 81: 155-9, 2006.
- Fischer S, Graham MB, Kuehnert MJ et al. Transmission of Lymphocytic Choriomeningitis Virus by Organ Transplantation [Appendix]. **New Engl J Med** 354: 2235-49, 2006.
- Morrissey PE. In support of list paired exchange. **Am J Transplant** 6: 434-5; author reply 436-7, 2006.
- Yango A, Gohh RY, Monaco AP, Morrissey PE. Excess risk of renal allograft loss and early mortality among elderly recipients is associated with poor exercise capacity. **Clin Nephrol** 65(6): 401-7, 2006.
- Whiting J, Delmonico FL, Morrissey PE et al. Clinical results of an OPO effort to increase utilization of donors after cardiac death. **Transplantation** 81: 1368-71, 2006.

- Gautam A, Morrissey PE, Brem A, Fischer S, Gohh RY, Yango A, Monaco AP. Use of an immune function assay to monitor immunosuppression for treatment of post-transplant lymphoproliferative disorder. **Pediatric Transplant** 10: 613-6, 2006.
- Dionisios Vrochides D, Fischer SA, Soares G, Morrissey PE. Successful Treatment of Recurrent Cholangitis Complicating Liver Transplantation by Roux-en-Y Limb Lengthening. **Transplant Infect Disease** (In press).
- Morrissey PE, Stoff JS, Delmonico FL. Live Donor List Exchanges. In: **Kidney Transplantation in the Highly Sensitized Patient**. Montgomery RA, Segev D, eds.
- Morrissey PE, Yango A. Renal transplantation: older recipients and donors. **Clinics in Geriatric Medicine** Clin Geriatr Med. Aug;22(3):687-707, 2006.
- Morrissey PE, ed [Guest Editor]. Organ Transplantation for the General Surgeon. **Surgical Clinics of North America** Preface. Oct; 86(5): xv-xvii, 2006.
- Gohh RY. **Surgical Clinics of North America** Preface. Oct; 86(5): 2006.
- Fischer S. **Surgical Clinics of North America** Preface. Oct; 86(5): 2006.
- Gautam AG. **Surgical Clinics of North America** Preface. Oct; 86(5): 2006.
- Aaron R. **Surgical Clinics of North America** Preface. Oct; 86(5): 2006.
- Boston L. **Surgical Clinics of North America** Preface. Oct; 86(5): 2006.
- Morrissey PE, Monaco AP. Techniques and Evolution of Live Donor Nephrectomy. **Surgical Clinics of North America** Oct; 86(5): 1219-35, 2006.
- Morrissey PE, Lin S. Noncompliance in renal transplantation. **Drugs** 2006 (Submitted).

## ABSTRACTS

- Morrissey PE, Gohh R, Yango A, Gautam A, Hopkins B, Goguen J, Delmonico FL, Monaco AP. Decreased waiting time for cadaver renal transplantation at a single center: effect of nontraditional donors. American Transplant Congress, Washington, D.C., 2003.
- Delmonico FL, Morrissey PE, Lipkowitz GS et al. Donor kidney exchange for incompatible recipients. American Transplant Congress, Washington, D.C., 2003.
- Delmonico FL, McBride M, Morrissey PE et al. A region allocation plan balancing equity with utility enhances minority transplantation with comparable outcomes for all patients. American Transplant Congress, Washington, D.C., 2003.
- Gohh R, Yango A, Morrissey P, Gautam A, Monaco A. Pre-emptive plasmapheresis to prevent recurrence of focal segmental glomerulosclerosis in high-risk renal transplant recipients. World Congress of Nephrology, Berlin, Germany, 2003.
- Morrissey PE, Gohh R, Yango A, Gautam A, Monaco AP. Renal transplant survival from older donors: a single center experience. New England Surgical Society, Newport, 2003.
- Morrissey PE, Gohh R, Yango A, Madras P, Gautam A, Monaco AP. Single center experience with basiliximab monoclonal antibody induction in renal transplantation. New England Surgical Society, Newport, 2003.
- Mann J, Morrissey PE, Gautam A, Monaco AP, Amaral J. Live donor nephrectomy: comparison of the laparoscopic era to the open era. New England Surgical Society, 2003.
- Wootton J, Morrissey PE, Lysaght M. Correlation of intra-operative renal blood flow with renal function after transplantation. Brown University Research Day, 2004.
- Grossberg J, Reinert S, Morrissey PE. Prediction of delayed allograft function by application of a mathematical model (Nomogram). Brown University Research Day, 2004.

- Whiting J, Delmonico FL, Morrissey P et al. Clinical results of a region-wide program to increase utilization of donors after cardiac death. American Transplant Congress, Boston, 2004.
- Yango A, Gohh R, Monaco A, Gautam A, Dworkin L, Morrissey P. Excess risk of renal allograft loss and early mortality among elderly renal transplant recipients associated with poor exercise capacity. XX Int'l Congress of the Transplantation Society, Vienna, 2004.
- Morrissey PE, Reinert S, Gohh R, Yango A, Gautam A, Monaco AP. Factors contributing to acute rejection in renal transplantation: the role of noncompliance. New England Surgical Society, Montreal, September 2004.
- Lin S, Langley A, Reinert S, Gautam A, Yango A, Gohh R, Morrissey P. Tacrolimus vs. Cyclosporine Microemulsion-based Immunosuppression: Equal Efficacy with Reduced Steroid Exposure. ASTS Winter Symposium, January 2005.
- Morrissey PE, Gohh RY, Yango A, Gautam A, Monaco AP. Immunosuppression Conversion: An Embarrassment of Riches. ASTS Winter Symposium, January 2005.
- Gautam A, Morrissey P, Gohh R, Yango A, Monaco A. Experience with Sirolimus for Calcineurin Minimization or Elimination in Pancreas after Kidney Transplantation. IPITA, Geneva, Switzerland, April 2005.
- Gautam A, Morrissey PE, Fischer S, Yango A, Gohh RY, Monaco AP. Use of a functional cell mediated immunity assay for monitoring reduction of immunosuppression in transplant BK virus nephropathy. Polyomaviruses and Human Disease Symposium, Providence, September 2005.
- Sibulesky L, Morrissey PE, Goguen J, O'Connor K. Incidental diagnosis of cancer in deceased organ donors. New England Surgical Society, Bretton Woods, New Hampshire, September 2005.
- Uknis ME, Morrissey P, Simpson MA, Robideux L, Crumpaker C. Extended use of valganciclovir is not associated with development of drug resistant CMV in kidney and pancreas transplant patients. World Transplant Congress, Boston, 2006.
- Morrissey PE, Gautam A, Fischer S, Gohh R, Yango A, Monaco AP. An in vitro immune cell function assay is superior to clinical estimates of overall immunosuppression. World Transplant Congress, Boston, 2006.
- Gautam A, Fischer S, Yango A, Gohh R, Morrissey P, Monaco AP. Severe suppression of cell-mediated immunity by donor transmitted LCMV in kidney transplantation recipients. World Transplant Congress, Boston, 2006.
- Gautam A, Fischer S, Gohh R, Yango A, Monaco A, Morrissey PE. Monitoring cell mediated immunity during immunosuppression reduction for serious infection. World Transplant Congress, Boston, 2006.
- Warren G, Wang L, Morrissey PE, Yango A, Gohh R. Implantation living kidney donor biopsy findings and their relationship to donor characteristics. Am Society Nephrol, San Diego, 2006.