- Wolfe RA, Ashby VB, Milford EL et al. Comparison of mortality in all patients on dialysis, patients on dialysis awaiting transplantation, and recipients of a first cadaveric transplant. N Engl J Med 1999; 341: 1725–1730.
- Webster AC, Playford EG, Higgins G et al. Interleukin 2 receptor antagonists for renal transplant recipients: A meta-analysis of randomized trials. Transplantation 2004; 77: 166–176.
- Morton RL, Howard K, Webster AC et al. The cost-effectiveness of induction immunosuppression in kidney transplantation. Nephrol Dial Transplant 2009; 24: 2258–2269.
- Szczech LA, Berlin JA, Aradhye S et al. Effect of anti-lymphocyte induction therapy on renal allograft survival: A meta-analysis. J Am Soc Nephrol 1997; 8: 1771–1777.
- Szczech LA, Berlin JA, Feldman HI. The effect of antilymphocyte induction therapy on renal allograft survival. A meta-analysis of individual patient-level data. Anti-Lymphocyte Antibody Induction Therapy Study Group. Ann Intern Med 1998; 128: 817–826.
- Thibaudin D, Alamartine E, de Filippis JP et al. Advantage of antithymocyte globulin induction in sensitized kidney recipients: A randomized prospective study comparing induction with and without antithymocyte globulin. Nephrol Dial Transplant 1998; 13: 711–715.
- Charpentier B, Rostaing L, Berthoux F et al. A three-arm study comparing immediate tacrolimus therapy with antithymocyte globulin induction therapy followed by tacrolimus or cyclosporine A in adult renal transplant recipients. Transplantation 2003; 75: 844–851.
- Brennan DC, Daller JA, Lake KD et al. Rabbit antithymocyte globulin versus basiliximab in renal transplantation. N Engl J Med 2006; 355: 1967–1977.
- Margreiter R, Klempnauer J, Neuhaus P et al. Alemtuzumab (Campath-1H) and tacrolimus monotherapy after renal transplantation: Results of a prospective randomized trial. Am J Transplant 2008; 8: 1480–1485.
- Thomas PG, Woodside KJ, Lappin JA et al. Alemtuzumab (Campath 1H) induction with tacrolimus monotherapy is safe for high immunological risk renal transplantation. Transplantation 2007; 83: 1509–1512.
- Vathsala A, Ona ET, Tan SY et al. Randomized trial of Alemtuzumab for prevention of graft rejection and preservation of renal function after kidney transplantation. Transplantation 2005; 80: 765–774.
- Ciancio G, Burke GW, Gaynor JJ et al. A randomized trial of three renal transplant induction antibodies: Early comparison of tacrolimus, mycophenolate mofetil, and steroid dosing, and newer immune-monitoring. Transplantation 2005; 80: 457–465.
- Ciancio G, Burke GW, Gaynor JJ et al. A randomized trial of thymoglobulin vs. alemtuzumab (with lower dose maintenance immunosuppression) vs. daclizumab in renal transplantation at 24 months of follow-up. Clin Transplant 2008; 22: 200–210.
- Gore JL, Pham PT, Danovitch GM et al. Obesity and outcome following renal transplantation. Am J Transplant 2006; 6: 357– 363.
- Pallardo Mateu LM, Sancho Calabuig A, Capdevila Plaza L et al. Acute rejection and late renal transplant failure: Risk factors and prognosis. Nephrol Dial Transplant 2004; 19(Suppl. 3): iii38–42.

- McDonald R, Donaldson L, Emmett L et al. A decade of living donor transplantation in North American children: The 1998 annual report of the North American Pediatric Renal Transplant Cooperative Study (NAPRTCS). Pediatr Transplant 2000; 4: 221– 234.
- Mota A, Figueiredo A, Cunha MF et al. Risk factors for acute rejection in 806 cyclosporine-treated renal transplants: A multivariate analysis. Transplant Proc 2003; 35: 1061–1063.
- Boom H, Mallat MJ, de Fijter JW et al. Delayed graft function influences renal function, but not survival. Kidney Int 2000; 58: 859–866.
- Oien CM, Reisaeter AV, Leivestad T et al. Living donor kidney transplantation: The effects of donor age and gender on shortand long-term outcomes. Transplantation 2007; 83: 600–606.
- Quiroga I, McShane P, Koo DD et al. Major effects of delayed graft function and cold ischaemia time on renal allograft survival. Nephrol Dial Transplant 2006; 21: 1689–1696.
- Sagedal S, Nordal KP, Hartmann A et al. The impact of cytomegalovirus infection and disease on rejection episodes in renal allograft recipients. Am J Transplant 2002; 2: 850– 856.
- Webster AC, Woodroffe RC, Taylor RS et al. Tacrolimus versus ciclosporin as primary immunosuppression for kidney transplant recipients: Meta-analysis and meta-regression of randomised trial data. BMJ 2005; 331: 810.
- Kramer BK, Montagnino G, Del Castillo D et al. Efficacy and safety of tacrolimus compared with cyclosporin A microemulsion in renal transplantation: 2 year follow-up results. Nephrol Dial Transplant 2005; 20: 968–973.
- Hardinger KL, Bohl DL, Schnitzler MA et al. A randomized, prospective, pharmacoeconomic trial of tacrolimus versus cyclosporine in combination with thymoglobulin in renal transplant recipients. Transplantation 2005; 80: 41–46.
- Vincenti F, Friman S, Scheuermann E et al. Results of an international, randomized trial comparing glucose metabolism disorders and outcome with cyclosporine versus tacrolimus. Am J Transplant 2007; 7: 1506–1514.
- Rowshani AT, Scholten EM, Bemelman F et al. No difference in degree of interstitial Sirius red-stained area in serial biopsies from area under concentration-over-time curves-guided cyclosporine versus tacrolimus-treated renal transplant recipients at one year. J Am Soc Nephrol 2006; 17: 305–312.
- Ekberg H, Tedesco-Silva H, Demirbas A et al. Reduced exposure to calcineurin inhibitors in renal transplantation. N Engl J Med 2007; 357: 2562–2575.
- Murphy GJ, Waller JR, Sandford RS et al. Randomized clinical trial of the effect of microemulsion cyclosporin and tacrolimus on renal allograft fibrosis. Br J Surg 2003; 90: 680–686.
- Rostaing L, Cantarovich D, Mourad G et al. Corticosteroid-free immunosuppression with tacrolimus, mycophenolate mofetil, and daclizumab induction in renal transplantation. Transplantation 2005; 79: 807–814.
- Ekberg H, Grinyo J, Nashan B et al. Cyclosporine sparing with mycophenolate mofetil, daclizumab and corticosteroids in renal allograft recipients: The CAESAR Study. Am J Transplant 2007; 7: 560–570.

- Mycophenolate mofetil in renal transplantation: 3-year results from the placebo-controlled trial. European Mycophenolate Mofetil Cooperative Study Group. Transplantation 1999; 68: 391– 396.
- Shapiro R, Jordan ML, Scantlebury VP et al. A prospective, randomized trial of tacrolimus/prednisone versus tacrolimus/prednisone/mycophenolate mofetil in renal transplant recipients. Transplantation 1999; 67: 411–415.
- Knight SR, Russell NK, Barcena L et al. Mycophenolate mofetil decreases acute rejection and may improve graft survival in renal transplant recipients when compared with azathioprine: A systematic review. Transplantation 2009; 87: 785–794.
- 34. A blinded, randomized clinical trial of mycophenolate mofetil for the prevention of acute rejection in cadaveric renal transplantation. The Tricontinental Mycophenolate Mofetil Renal Transplantation Study Group. Transplantation 1996; 61: 1029–1037.
- Sollinger HW. Mycophenolate mofetil for the prevention of acute rejection in primary cadaveric renal allograft recipients. U.S. Renal Transplant Mycophenolate Mofetil Study Group. Transplantation 1995; 60: 225–232.
- Miller J, Mendez R, Pirsch JD et al. Safety and efficacy of tacrolimus in combination with mycophenolate mofetil (MMF) in cadaveric renal transplant recipients. FK506/MMF Dose-Ranging Kidney Transplant Study Group. Transplantation 2000; 69: 875– 880.
- Remuzzi G, Lesti M, Gotti E et al. Mycophenolate mofetil versus azathioprine for prevention of acute rejection in renal transplantation (MYSS): A randomised trial. Lancet 2004; 364: 503–512.
- Sadek S, Medina J, Arias M et al. Short-term combination of mycophenolate mofetil with cyclosporine as a therapeutic option for renal transplant recipients: A prospective, multicenter, randomized study. Transplantation 2002; 74: 511–517.
- Ojo AO, Meier-Kriesche HU, Hanson JA et al. Mycophenolate mofetil reduces late renal allograft loss independent of acute rejection. Transplantation 2000; 69: 2405–2409.
- Opelz G, Dohler B. Influence of immunosuppressive regimens on graft survival and secondary outcomes after kidney transplantation. Transplantation 2009; 87: 795–802.
- Craig JC, Webster AC, McDonald SP. The case of azathioprine versus mycophenolate. Do different drugs really cause different transplant outcomes? Transplantation 2009; 87: 803–804.
- Salvadori M, Holzer H, de Mattos A et al. Enteric-coated mycophenolate sodium is therapeutically equivalent to mycophenolate mofetil in de novo renal transplant patients. Am J Transplant 2004; 4: 231–236.
- Budde K, Curtis J, Knoll G et al. Enteric-coated mycophenolate sodium can be safely administered in maintenance renal transplant patients: Results of a 1-year study. Am J Transplant 2004; 4: 237–243.
- Kasiske BL, Chakkera HA, Louis TA et al. A meta-analysis of immunosuppression withdrawal trials in renal transplantation. J Am Soc Nephrol 2000; 11: 1910–1917.
- 45. Pascual J, Quereda C, Zamora J et al. Steroid withdrawal in renal transplant patients on triple therapy with a calcineurin inhibitor and mycophenolate mofetil: A meta-analysis of randomized, controlled trials. Transplantation 2004; 78: 1548–1556.
- 46. ter Meulen CG, van Riemsdijk I, Hene RJ et al. Steroidwithdrawal at 3 days after renal transplantation with anti-IL-2 receptor alpha therapy: A prospective, randomized, multicenter study. Am J Transplant 2004; 4: 803–810.
- Woodle ES, First MR, Pirsch J et al. A prospective, randomized, double-blind, placebo-controlled multicenter trial comparing early (7 day) corticosteroid cessation versus long-term, low-dose corticosteroid therapy. Ann Surg 2008; 248: 564–577.

- Vincenti F, Schena FP, Paraskevas S et al. A randomized, multicenter study of steroid avoidance, early steroid withdrawal or standard steroid therapy in kidney transplant recipients. Am J Transplant 2008; 8: 307–316.
- Kasiske BL, de Mattos A, Flechner SM et al. Mammalian target of rapamycin inhibitor dyslipidemia in kidney transplant recipients. Am J Transplant 2008; 8: 1384–1392.
- Webster AC, Lee VW, Chapman JR et al. Target of rapamycin inhibitors (TOR-I; sirolimus and everolimus) for primary immunosuppression in kidney transplant recipients. Cochrane Database Syst Rev 2006: CD004290.
- Buchler M, Caillard S, Barbier S et al. Sirolimus versus cyclosporine in kidney recipients receiving thymoglobulin, mycophenolate mofetil and a 6-month course of steroids. Am J Transplant 2007; 7: 2522–2531.
- Langer RM, Kahan BD. Incidence, therapy, and consequences of lymphocele after sirolimus-cyclosporine-prednisone immunosuppression in renal transplant recipients. Transplantation 2002; 74: 804–808.
- Troppmann C, Pierce JL, Gandhi MM et al. Higher surgical wound complication rates with sirolimus immunosuppression after kidney transplantation: A matched-pair pilot study. Transplantation 2003; 76: 426–429.
- Valente JF, Hricik D, Weigel K et al. Comparison of sirolimus vs. mycophenolate mofetil on surgical complications and wound healing in adult kidney transplantation. Am J Transplant 2003; 3: 1128–1134.
- Dean PG, Lund WJ, Larson TS et al. Wound-healing complications after kidney transplantation: A prospective, randomized comparison of sirolimus and tacrolimus. Transplantation 2004; 77: 1555–1561.
- Van Den Akker JM, Wetzels JF, Hoitsma AJ. Proteinuria following conversion from azathioprine to sirolimus in renal transplant recipients. Kidney Int 2006; 70: 1355–1357.
- Webster AC, Lee VW, Chapman JR et al. Target of rapamycin inhibitors (sirolimus and everolimus) for primary immunosuppression of kidney transplant recipients: A systematic review and meta-analysis of randomized trials. Transplantation 2006; 81: 1234–1248.
- Maes B, Hadaya K, de Moor B et al. Severe diarrhea in renal transplant patients: Results of the DIDACT study. Am J Transplant 2006; 6: 1466–1472.
- Jha V, Chugh K. Dialysis in developing countries: Priorities and obstacles. Nephrology 1996; 2: 65–71.
- Chugh KS, Jha V, Chugh S. Economics of dialysis and renal transplantation in the developing world. Transplant Proc 1999; 31: 3275–3277.
- Jha V, Chugh KS. The practice of dialysis in the developing countries. Hemodialysis International 2003; 7: 239–249.
- Jha V, Muthukumar T, Kohli HS et al. Impact of cyclosporine withdrawal on living related renal transplants: A single-center experience. Am J Kidney Dis 2001; 37: 119–124.
- Morgenstern GR, Powles R, Robinson B et al. Cyclosporin interaction with ketoconazole and melphalan. Lancet 1982; 2: 1342.
- Randall T. Cyclosporine-ketoconazole combination offers promise in reducing antirejection therapy costs. JAMA 1990; 264: 430–431.
- Gueco IP, Tan-Torres T, Baniga U et al. Ketoconazole in posttransplant triple therapy: Comparison of costs and outcomes. Transplant Proc 1992; 24: 1709–1714.
- First MR, Schroeder TJ, Michael A et al. Cyclosporineketoconazole interaction. Long-term follow-up and preliminary results of a randomized trial. Transplantation 1993; 55: 1000– 1004.

- 66a. Butman SM, Wild JC, Nolan PE et al. Prospective study of the safety and financial benefit of ketoconazole as adjuntive therapy to cyclosporine after heart transplantation. J Heart Lung Transplant 1991; 10: 351–358.
- Patton PR, Brunson ME, Pfaff WW et al. A preliminary report of diltiazem and ketoconazole. Their cyclosporine-sparing effect and impact on transplant outcome. Transplantation 1994; 57: 889–892.
- Keogh A, Spratt P, McCosker C et al. Ketoconazole to reduce the need for cyclosporine after cardiac transplantation. N Engl J Med 1995; 333: 628–633.
- Sobh MA, Hamdy AF, El Agroudy AE et al. Coadministration of ketoconazole and cyclosporine for kidney transplant recipients: Long-term follow-up and study of metabolic consequences. Am J Kidney Dis 2001; 37: 510–517.
- Abraham MA, Thomas PP, John GT et al. Efficacy and safety of low-dose ketoconazole (50 mg) to reduce the cost of cyclosporine in renal allograft recipients. Transplant Proc 2003; 35: 215–216.
- Carbajal H, Soltero L, Rodriguez-Montalvo C et al. Cyclosporine and low-dose ketoconazole in renal transplant recipients: A single-center experience. Transplantation 2004; 77: 1038–1040.
- Thomas PP, Manivannan J, John GT et al. Sirolimus and ketoconazole co-prescription in renal transplant recipients. Transplantation 2004; 77: 474–475.
- El-Dahshan KF, Bakr MA, Donia AF et al. Ketoconazoletacrolimus coadministration in kidney transplant recipients: Twoyear results of a prospective randomized study. Am J Nephrol 2006; 26: 293–298.
- Soltero L, Carbajal H, Rodríguez-Montalvo C et al. Coadministration of tacrolimus and ketoconazole in renal transplant recipients: Cost analysis and review of metabolic effects. Transplant Proc 2003; 35: 1319–1321.
- El-Agroudy AE, Sobh MA, Hamdy AF et al. A prospective, randomized study of coadministration of ketoconazole and cyclosporine a in kidney transplant recipients: Ten-year follow-up. Transplantation 2004; 77: 1371–1376.
- El-Dahshan KF, Bakr MA, Donia AF et al. Co-administration of ketoconazole to tacrolimus-treated kidney transplant recipients: A prospective randomized study. Nephrol Dial Transplant 2004; 19: 1613–1617.
- Gerntholtz T, Pascoe MD, Botha JF et al. The use of a cyclosporin-ketoconazole combination: Making renal transplantation affordable in developing countries. Eur J Clin Pharmacol 2004; 60: 143–148.
- 77. Foradori A, Mezzano S, Videla C et al. Modification of the pharmacokinetics of cyclosporine A and metabolites by the concomitant use of Neoral and diltiazem or ketoconazol in stable adult kidney transplants. Transplant Proc 1998; 30: 1685–1687.
- Videla C, Vega J, Borja H. Hepatotoxicity associated with cyclosporine monitoring using C2 recommendations in adults renal recipients receiving ketoconazole. Transplant Proc 2005; 37: 1574–1576.
- Guleria S, Kamboj M, Singh P et al. Tacrolimus (Pan Graf) as de novo therapy in renal transplant recipients in India. Transplant Proc 2006; 38: 2029–2031.
- Guleria S, Kamboj M, Sharma M et al. Tacrolimus (Pan Graf) in live related renal transplantation: An initial experience of 101 recipients in India. Transplant Proc 2007; 39: 747– 749.
- Guleria S, Kamboj M, Chatterjee A et al. Generic tacrolimus (Pan Graf) in renal transplantation: An experience of 155 recipients in India. Transplant Proc 2008; 40: 2237–2239.

- Dantal J, Hourmant M, Cantarovich D et al. Effect of long-term immunosuppression in kidney-graft recipients on cancer incidence: Randomised comparison of two cyclosporin regimens. Lancet 1998; 351: 623–628.
- Kyllonen LE, Salmela KT. Early cyclosporine C0 and C2 monitoring in de novo kidney transplant patients: A prospective randomized single-center pilot study. Transplantation 2006; 81: 1010– 1015.
- Wallemacq P, Goffinet JS, O'Morchoe S et al. Multi-site analytical evaluation of the Abbott ARCHITECT tacrolimus assay. Ther Drug Monit 2009; 31: 198–204.
- Jorgensen K, Povlsen J, Madsen S et al. C2 (2-h) levels are not superior to trough levels as estimates of the area under the curve in tacrolimus-treated renal-transplant patients. Nephrol Dial Transplant 2002; 17: 1487–1490.
- van Gelder T, Le Meur Y, Shaw LM et al. Therapeutic drug monitoring of mycophenolate mofetil in transplantation. Ther Drug Monit 2006; 28: 145–154.
- Knight SR, Morris PJ. Does the evidence support the use of mycophenolate mofetil therapeutic drug monitoring in clinical practice? A systematic review. Transplantation 2008; 85: 1675– 1685.
- Le Meur Y, Buchler M, Thierry A et al. Individualized mycophenolate mofetil dosing based on drug exposure significantly improves patient outcomes after renal transplantation. Am J Transplant 2007; 7: 2496–2503.
- Hale MD, Nicholls AJ, Bullingham RE et al. The pharmacokineticpharmacodynamic relationship for mycophenolate mofetil in renal transplantation. Clin Pharmacol Ther 1998; 64: 672–683.
- van Gelder T, Hilbrands LB, Vanrenterghem Y et al. A randomized double-blind, multicenter plasma concentration controlled study of the safety and efficacy of oral mycophenolate mofetil for the prevention of acute rejection after kidney transplantation. Transplantation 1999; 68: 261–266.
- 91. Weber LT, Shipkova M, Armstrong VW et al. The pharmacokinetic-pharmacodynamic relationship for total and free mycophenolic Acid in pediatric renal transplant recipients: A report of the german study group on mycophenolate mofetil therapy. J Am Soc Nephrol 2002; 13: 759–768.
- 92. Oellerich M, Shipkova M, Schutz E et al. Pharmacokinetic and metabolic investigations of mycophenolic acid in pediatric patients after renal transplantation: Implications for therapeutic drug monitoring. German Study Group on Mycophenolate Mofetil Therapy in Pediatric Renal Transplant Recipients. Ther Drug Monit 2000; 22: 20–26.
- Kiberd BA, Lawen J, Fraser AD et al. Early adequate mycophenolic acid exposure is associated with less rejection in kidney transplantation. Am J Transplant 2004; 4: 1079–1083.
- Oellerich M, Armstrong VW. The role of therapeutic drug monitoring in individualizing immunosuppressive drug therapy: Recent developments. Ther Drug Monit 2006; 28: 720–725.
- Kahan BD, Camardo JS. Rapamycin: Clinical results and future opportunities. Transplantation 2001; 72: 1181–1193.
- Neumayer HH, Paradis K, Korn A et al. Entry-into-human study with the novel immunosuppressant SDZ RAD in stable renal transplant recipients. Br J Clin Pharmacol 1999; 48: 694– 703.
- Kovarik JM, Tedesco H, Pascual J et al. Everolimus therapeutic concentration range defined from a prospective trial with reduced-exposure cyclosporine in de novo kidney transplantation. Ther Drug Monit 2004; 26: 499–505.
- Nashan B. Review of the proliferation inhibitor everolimus. Expert Opin Investig Drugs 2002; 11: 1845–1857.

- Solez K, Colvin RB, Racusen LC et al. Banff 07 classification of renal allograft pathology: Updates and future directions. Am J Transplant 2008; 8: 753–760.
- Rush D, Nickerson P, Gough J et al. Beneficial effects of treatment of early subclinical rejection: A randomized study. J Am Soc Nephrol 1998; 9: 2129–2134.
- Rush DN, Karpinski ME, Nickerson P et al. Does subclinical rejection contribute to chronic rejection in renal transplant patients? Clin Transplant 1999; 13: 441–446.
- 102. Rush D, Arlen D, Boucher A et al. Lack of benefit of early protocol biopsies in renal transplant patients receiving TAC and MMF: A randomized study. Am J Transplant 2007; 7: 2538–2545.
- Kurtkoti J, Sakhuja V, Sud K et al. The utility of 1- and 3-month protocol biopsies on renal allograft function: A randomized controlled study. Am J Transplant 2008; 8: 317–323.
- Gloor JM, Cohen AJ, Lager DJ et al. Subclinical rejection in tacrolimus-treated renal transplant recipients. Transplantation 2002; 73: 1965–1968.
- 105. Webster AC, Pankhurst T, Rinaldi F et al. Monoclonal and polyclonal antibody therapy for treating acute rejection in kidney transplant recipients: A systematic review of randomized trial data. Transplantation 2006; 81: 953–965.
- 106. Mycophenolate mofetil for the treatment of a first acute renal allograft rejection: Three-year follow-up. The Mycophenolate Mofetil Acute Renal Rejection Study Group. Transplantation 2001; 71: 1091–1097.
- 107. Mariat C, Alamartine E, Diab N et al. A randomized prospective study comparing low-dose OKT3 to low-dose ATG for the treatment of acute steroid-resistant rejection episodes in kidney transplant recipients. Transpl Int 1998; 11: 231–236.
- Zarkhin V, Li L, Kambham N et al. A randomized, prospective trial of rituximab for acute rejection in pediatric renal transplantation. Am J Transplant 2008; 8: 2607–2617.
- Solez K, Colvin RB, Racusen LC et al. Banff '05 Meeting Report: Differential diagnosis of chronic allograft injury and elimination of chronic allograft nephropathy ('CAN'). Am J Transplant 2007; 7: 518–526.
- Briganti EM, Russ GR, McNeil JJ et al. Risk of renal allograft loss from recurrent glomerulonephritis. N Engl J Med 2002; 347: 103–109.
- El-Zoghby ZM, Stegall MD, Lager DJ et al. Identifying specific causes of kidney allograft loss. Am J Transplant 2009; 9: 527– 535.
- Meyers CM, Kirk AD. Workshop on late renal allograft dysfunction. Am J Transplant 2005; 5: 1600–1605.
- Nankivell BJ, Borrows RJ, Fung CL et al. The natural history of chronic allograft nephropathy. N Engl J Med 2003; 349: 2326– 2333.
- Nankivell BJ, Chapman JR. Chronic allograft nephropathy: Current concepts and future directions. Transplantation 2006; 81: 643–654.
- Birnbaum LM, Lipman M, Paraskevas S et al. Management of chronic allograft nephropathy: A systematic review. Clin J Am Soc Nephrol 2009; 4: 860–865.
- 116. Meier-Kriesche H, Heemann U, Merville P et al. TRANCEPT – A prospective observational global clinical study of patients switched to MMF at least 6 months after renal transplantation. Abstract 578 Transplantation 2006; 82 (1 Suppl 3): 261.
- 117. Dudley C, Pohanka E, Riad H et al.. Transplantation 2005; 79: 466-475.
- Shihab FS, Waid TH, Conti DJ et al. Conversion from cyclosporine to tacrolimus in patients at risk for chronic renal allograft failure: 60-month results of the CRAF Study. Transplantation 2008; 85: 1261–1269.

- Schena FP, Pascoe MD, Alberu J et al. Conversion from calcineurin inhibitors to sirolimus maintenance therapy in renal allograft recipients: 24-month efficacy and safety results from the CONVERT trial. Transplantation 2009; 87: 233–242.
- Carlier M, Squifflet JP, Pirson Y et al. Maximal hydration during anesthesia increases pulmonary arterial pressures and improves early function of human renal transplants. Transplantation 1982; 34: 201–204.
- Morath C, Zeier M. When should post-transplantation proteinuria be attributed to the renal allograft rather than to the native kidney? Nat Clin Pract Nephrol 2007; 3: 18–19.
- 122. Roodnat JI, Mulder PG, Rischen-Vos J et al. Proteinuria after renal transplantation affects not only graft survival but also patient survival. Transplantation 2001; 72: 438–444.
- Sis B, Campbell PM, Mueller T et al. Transplant glomerulopathy, late antibody-mediated rejection and the ABCD tetrad in kidney allograft biopsies for cause. Am J Transplant 2007; 7: 1743– 1752.
- Sijpkens YW, Joosten SA, Wong MC et al. Immunologic risk factors and glomerular C4d deposits in chronic transplant glomerulopathy. Kidney Int 2004; 65: 2409–2418.
- Cosio FG, Grande JP, Wadei H et al. Predicting subsequent decline in kidney allograft function from early surveillance biopsies. Am J Transplant 2005; 5: 2464–2472.
- 126. Barama AA. Mechanisms and management of proteinuria in kidney transplant patients. Drugs 2008; 68(Suppl 1): 33–39.
- Ivanyi B. A primer on recurrent and de novo glomerulonephritis in renal allografts. Nat Clin Pract Nephrol 2008; 4: 446– 457.
- David-Neto E, Prado E, Beutel A et al. C4d-positive chronic rejection: A frequent entity with a poor outcome. Transplantation 2007; 84: 1391–1398.
- 129. Fernandez-Fresnedo G, Escallada R, Rodrigo E et al. The risk of cardiovascular disease associated with proteinuria in renal transplant patients. Transplantation 2002; 73: 1345–1348.
- Reichel H, Zeier M, Ritz E. Proteinuria after renal transplantation: Pathogenesis and management. Nephrol Dial Transplant 2004; 19: 301–305.
- McLaren AJ, Fuggle SV, Welsh KI et al. Chronic allograft failure in human renal transplantation: A multivariate risk factor analysis. Ann Surg 2000; 232: 98–103.
- Halimi JM, Matthias B, Al-Najjar A et al. Respective predictive role of urinary albumin excretion and nonalbumin proteinuria on graft loss and death in renal transplant recipients. Am J Transplant 2007; 7: 2775–2781.
- Schwab SJ, Christensen RL, Dougherty K et al. Quantitation of proteinuria by the use of protein-to-creatinine ratios in single urine samples. Arch Intern Med 1987; 147: 943–944.
- Ginsberg JM, Chang BS, Matarese RA et al. Use of single voided urine samples to estimate quantitative proteinuria. N Engl J Med 1983; 309: 1543–1546.
- 135. Rodby RA, Rohde RD, Sharon Z et al. The urine protein to creatinine ratio as a predictor of 24-hour urine protein excretion in type 1 diabetic patients with nephropathy. The Collaborative Study Group. Am J Kidney Dis 1995; 26: 904–909.
- Steinhauslin F, Wauters JP. Quantitation of proteinuria in kidney transplant patients: Accuracy of the urinary protein/creatinine ratio. Clin Nephrol 1995; 43: 110–115.
- 137. Warram JH, Gearin G, Laffel L et al. Effect of duration of type I diabetes on the prevalence of stages of diabetic nephropathy defined by urinary albumin/creatinine ratio. J Am Soc Nephrol 1996; 7: 930–937.
- American Diabetes Association clinical practice recommendations 2001. Diabetes Care 2001; 24(Suppl 1): S1–133.

- 139. Hogg RJ, Portman RJ, Milliner D et al. Evaluation and management of proteinuria and nephrotic syndrome in children: Recommendations from a pediatric nephrology panel established at the National Kidney Foundation conference on proteinuria, albuminuria, risk, assessment, detection, and elimination (PARADE). Pediatrics 2000; 105: 1242–1249.
- 140. Hogg RJ, Furth S, Lemley KV et al. National Kidney Foundation's K/DOQI clinical practice guidelines for chronic kidney disease in children and adolescents: Evaluation, classification, and stratification. Pediatrics 2003; 111: 1416–1421.
- 141. K/DOQI clinical practice guidelines for chronic kidney disease: Evaluation, classification, and stratification. Am J Kidney Dis 2002; 39 (2 Suppl 1): S1–266.
- Perrone RD, Madias NE, Levey AS. Serum creatinine as an index of renal function: New insights into old concepts. Clin Chem 1992; 38: 1933–1953.
- 143. Levey AS, Perrone RD, Madias NE. Serum creatinine and renal function. Annu Rev Med 1988; 39: 465–490.
- Kasiske BL, Andany MA, Danielson B. A thirty percent chronic decline in inverse serum creatinine is an excellent predictor of late renal allograft failure. Am J Kidney Dis 2002; 39: 762–768.
- 145. Kasiske BL, Andany MA, Hernandez D et al. Comparing methods for monitoring serum creatinine to predict late renal allograft failure. Am J Kidney Dis 2001; 38: 1065–1073.
- Ortiz F, Harmoinen A, Paavonen T et al. Is Cystatin C more sensitive than creatinine in detecting early chronic allograft nephropathy? Clin Nephrol 2008; 70: 18–25.
- 147. Sharma AP, Kathiravelu A, Nadarajah R et al. Body mass does not have a clinically relevant effect on cystatin C eGFR in children. Nephrol Dial Transplant 2009; 24: 470–474.
- 148. Dajak M, Ignjatovic S, Jovicic S et al. The values of estimated glomerular filtration rate calculated with creatinine and cystatin C based equations in healthy adults. Clin Lab 2008; 54: 153– 159.
- Nankivell BJ, Gruenewald SM, Allen RD et al. Predicting glomerular filtration rate after kidney transplantation. Transplantation 1995; 59: 1683–1689.
- White CA, Huang D, Akbari A et al. Performance of creatininebased estimates of GFR in kidney transplant recipients: A systematic review. Am J Kidney Dis 2008; 51: 1005–1015.
- Vassalotti JA, Stevens LA, Levey AS. Testing for chronic kidney disease: A position statement from the National Kidney Foundation. Am J Kidney Dis 2007; 50: 169–180.
- Herget-Rosenthal S, Bokenkamp A, Hofmann W. How to estimate GFR-serum creatinine, serum cystatin C or equations? Clin Biochem 2007; 40: 153–161.
- Lamb EJ, Tomson CR, Roderick PJ. Estimating kidney function in adults using formulae. Ann Clin Biochem 2005; 42: 321– 345.
- Walser M. Assessing renal function from creatinine measurements in adults with chronic renal failure. Am J Kidney Dis 1998; 32: 23–31.
- Goerdt PJ, Heim-Duthoy KL, Macres M et al. Predictive performance of renal function estimate equations in renal allografts. Br J Clin Pharmacol 1997; 44: 261–265.
- Gaspari F, Perico N, Remuzzi G. Measurement of glomerular filtration rate. Kidney Int 1997; (Suppl 63): S151–154.
- 157. Kasiske BL. Creatinine excretion after renal transplantation. Transplantation 1989; 48: 424–428.
- Oterdoom LH, van Ree RM, de Vries AP et al. Urinary creatinine excretion reflecting muscle mass is a predictor of mortality and graft loss in renal transplant recipients. Transplantation 2008; 86: 391–398.

- Schwenger V, Korosoglou G, Hinkel UP et al. Real-time contrastenhanced sonography of renal transplant recipients predicts chronic allograft nephropathy. Am J Transplant 2006; 6: 609– 615.
- Hollenbeck M. New diagnostic techniques in clinical nephrology. Colour coded duplex sonography for evaluation of renal transplants-tool or toy for the nephrologist? Nephrol Dial Transplant 1994; 9: 1822–1828.
- 161. Burgos FJ, Pascual J, Marcen R et al. The role of imaging techniques in renal transplantation. World J Urol 2004; 22: 399–404.
- Browne RF, Tuite DJ. Imaging of the renal transplant: Comparison of MRI with duplex sonography. Abdom Imaging 2006; 31: 461–482.
- Schwarz A, Hiss M, Gwinner W et al. Course and relevance of arteriovenous fistulas after renal transplant biopsies. Am J Transplant 2008; 8: 826–831.
- Mehta RL, Kellum JA, Shah SV et al. Acute Kidney Injury Network: Report of an initiative to improve outcomes in acute kidney injury. Crit Care 2007; 11: R31.
- 165. Patschan D, Kribben A, Pietruck F et al. OKT3 therapy in addition to tacrolimus is associated with improved long-term function in patients with steroid refractory renal allograft rejection. Nephron Clin Pract 2006; 103: c94–99.
- Giral-Classe M, Hourmant M, Cantarovich D et al. Delayed graft function of more than six days strongly decreases long-term survival of transplanted kidneys. Kidney Int 1998; 54: 972–978.
- Qureshi F, Rabb H, Kasiske BL. Silent acute rejection during prolonged delayed graft function reduces kidney allograft survival. Transplantation 2002; 74: 1400–1404.
- Mikhalski D, Wissing KM, Ghisdal L et al. Cold ischemia is a major determinant of acute rejection and renal graft survival in the modern era of immunosuppression. Transplantation 2008; 85: S3–9.
- Rush DN, Jeffery JR, Gough J. Protocol biopsies in stable renal transplant patients under triple immunosuppression: Results at 6 months. Transplant Proc 1994; 26: 2576.
- Nankivell BJ, Fenton-Lee CA, Kuypers DR et al. Effect of histological damage on long-term kidney transplant outcome. Transplantation 2001; 71: 515–523.
- Shapiro R, Randhawa P, Jordan ML et al. An analysis of early renal transplant protocol biopsies–the high incidence of subclinical tubulitis. Am J Transplant 2001; 1: 47–50.
- 172. Gough J, Rush D, Jeffery J et al. Reproducibility of the Banff schema in reporting protocol biopsies of stable renal allografts. Nephrol Dial Transplant 2002; 17: 1081–1084.
- Nankivell BJ, Borrows RJ, Fung CL et al. Natural history, risk factors, and impact of subclinical rejection in kidney transplantation. Transplantation 2004; 78: 242–249.
- 174. Roberts IS, Reddy S, Russell C et al. Subclinical rejection and borderline changes in early protocol biopsy specimens after renal transplantation. Transplantation 2004; 77: 1194–1198.
- Nankivell BJ, Chapman JR. The significance of subclinical rejection and the value of protocol biopsies. Am J Transplant 2006; 6: 2006–2012.
- 176. Rush DN, Jeffery JR, Gough J. Sequential protocol biopsies in renal transplant patients. Clinico-pathological correlations using the Banff schema. Transplantation 1995; 59: 511–514.
- 177. Shishido S, Asanuma H, Nakai H et al. The impact of repeated subclinical acute rejection on the progression of chronic allograft nephropathy. J Am Soc Nephrol 2003; 14: 1046–1052.
- Kanetsuna Y, Yamaguchi Y, Toma H et al. Histological evaluation of renal allograft protocol biopsies in the early period and 1 year after transplantation. Clin Transplant 2003; 17(Suppl 10): 25–29.

- 179. Choi BS, Shin MJ, Shin SJ et al. Clinical significance of an early protocol biopsy in living-donor renal transplantation: Ten-year experience at a single center. Am J Transplant 2005; 5: 1354–1360.
- Hergesell O, Felten H, Andrassy K et al. Safety of ultrasoundguided percutaneous renal biopsy-retrospective analysis of 1090 consecutive cases. Nephrol Dial Transplant 1998; 13: 975–977.
- Sakai K, Miyagi Y, Hasegawa T et al. The pathologic impact of tacrolimus on protocol biopsy in renal transplant patients with basiliximab-based immunosuppression. Transplant Proc 2005; 37: 1757–1759.
- Moreso F, Seron D, Carrera M et al. Baseline immunosuppression is associated with histological findings in early protocol biopsies. Transplantation 2004; 78: 1064–1068.
- Toz H, Sen S, Sezis M et al. Comparison of tacrolimus and cyclosporin in renal transplantation by the protocol biopsies. Transplant Proc 2004; 36: 134–136.
- 184. Fereira LC, Karras A, Martinez F et al. Complications of protocol renal biopsy. Transplantation 2004; 77: 1475–1476.
- Wilczek HE. Percutaneous needle biopsy of the renal allograft. A clinical safety evaluation of 1129 biopsies. Transplantation 1990; 50: 790–797.
- Furness PN, Philpott CM, Chorbadjian MT et al. Protocol biopsy of the stable renal transplant: A multicenter study of methods and complication rates. Transplantation 2003; 76: 969–973.
- Schwarz A, Gwinner W, Hiss M et al. Safety and adequacy of renal transplant protocol biopsies. Am J Transplant 2005; 5: 1992– 1996.
- Mengel M, Chapman JR, Cosio FG et al. Protocol biopsies in renal transplantation: Insights into patient management and pathogenesis. Am J Transplant 2007; 7: 512–517.
- Hariharan S, Peddi VR, Savin VJ et al. Recurrent and de novo renal diseases after renal transplantation: A report from the renal allograft disease registry. Am J Kidney Dis 1998; 31: 928–931.
- Golgert WA, Appel GB, Hariharan S. Recurrent glomerulonephritis after renal transplantation: An unsolved problem. Clin J Am Soc Nephrol 2008; 3: 800–807.
- Vincenti F, Ghiggeri GM. New insights into the pathogenesis and the therapy of recurrent focal glomerulosclerosis. Am J Transplant 2005; 5: 1179–1185.
- Seikaly MG. Recurrence of primary disease in children after renal transplantation: An evidence-based update. Pediatr Transplant 2004; 8: 113–119.
- 193. Newstead CG. Recurrent disease in renal transplants. Nephrol Dial Transplant 2003; 18(Suppl 6): vi68–74.
- Myslak M, Amer H, Morales P et al. Interpreting post-transplant proteinuria in patients with proteinuria pre-transplant. Am J Transplant 2006; 6: 1660–1665.
- 195. Davenport RD. Apheresis treatment of recurrent focal segmental glomerulosclerosis after kidney transplantation: Re-analysis of published case-reports and case-series. J Clin Apher 2001; 16: 175–178.
- Matalon A, Markowitz GS, Joseph RE et al. Plasmapheresis treatment of recurrent FSGS in adult renal transplant recipients. Clin Nephrol 2001; 56: 271–278.
- 197. Ghiggeri GM, Carraro M, Vincenti F. Recurrent focal glomerulosclerosis in the era of genetics of podocyte proteins: Theory and therapy. Nephrol Dial Transplant 2004; 19: 1036–1040.
- 198. Gohh RY, Yango AF, Morrissey PE et al. Preemptive plasmapheresis and recurrence of FSGS in high-risk renal transplant recipients. Am J Transplant 2005; 5: 2907–2912.
- Cochat P, Schell M, Ranchin B et al. Management of recurrent nephrotic syndrome after kidney transplantation in children. Clin Nephrol 1996; 46: 17–20.

- Mowry J, Marik J, Cohen A et al. Treatment of recurrent focal segmental glomerulosclerosis with high-dose cyclosporine A and plasmapheresis. Transplant Proc 1993; 25: 1345–1346.
- Choy BY, Chan TM, Lai KN. Recurrent glomerulonephritis after kidney transplantation. Am J Transplant 2006; 6: 2535– 2542.
- Moriyama T, Nitta K, Suzuki K et al. Latent IgA deposition from donor kidney is the major risk factor for recurrent IgA nephropathy in renal transplantation. Clin Transplant 2005; 19(Suppl 14): 41–48.
- Bantis C, Heering PJ, Aker S et al. Influence of interleukin-10 gene G-1082A polymorphism on recurrent IgA nephropathy. J Nephrol 2008; 21: 941–946.
- Coppo R, Amore A, Chiesa M et al. Serological and genetic factors in early recurrence of IgA nephropathy after renal transplantation. Clin Transplant 2007; 21: 728–737.
- Ohmacht C, Kliem V, Burg M et al. Recurrent immunoglobulin A nephropathy after renal transplantation: A significant contributor to graft loss. Transplantation 1997; 64: 1493–1496.
- Oka K, Imai E, Moriyama T et al. A clinicopathological study of IgA nephropathy in renal transplant recipients: Beneficial effect of angiotensin-converting enzyme inhibitor. Nephrol Dial Transplant 2000; 15: 689–695.
- 207. Berthoux F, El Deeb S, Mariat C et al. Antithymocyte globulin (ATG) induction therapy and disease recurrence in renal transplant recipients with primary IgA nephropathy. Transplantation 2008; 85: 1505–1507.
- Andresdottir MB, Assmann KJ, Hoitsma AJ et al. Recurrence of type I membranoproliferative glomerulonephritis after renal transplantation: Analysis of the incidence, risk factors, and impact on graft survival. Transplantation 1997; 63: 1628– 1633.
- Little MA, Dupont P, Campbell E et al. Severity of primary MPGN, rather than MPGN type, determines renal survival and post-transplantation recurrence risk. Kidney Int 2006; 69: 504– 511.
- Lien YH, Scott K. Long-term cyclophosphamide treatment for recurrent type I membranoproliferative glomerulonephritis after transplantation. Am J Kidney Dis 2000; 35: 539–543.
- Saxena R, Frankel WL, Sedmak DD et al. Recurrent type I membranoproliferative glomerulonephritis in a renal allograft: Successful treatment with plasmapheresis. Am J Kidney Dis 2000; 35: 749–752.
- Kurtz KA, Schlueter AJ. Management of membranoproliferative glomerulonephritis type II with plasmapheresis. J Clin Apher 2002; 17: 135–137.
- Oberkircher OR, Enama M, West JC et al. Regression of recurrent membranoproliferative glomerulonephritis type II in a transplanted kidney after plasmapheresis therapy. Transplant Proc 1988; 20: 418–423.
- Ahsan N, Manning EC, Dabbs DJ et al. Recurrent type I membranoproliferative glomerulonephritis after renal transplantation and protective role of cyclosporine in acute crescentic transformation. Clin Transplant 1997; 11: 9–14.
- 215. Ponticelli C, Banfi G. Thrombotic microangiopathy after kidney transplantation. Transpl Int 2006; 19: 789–794.
- Quan A, Sullivan EK, Alexander SR. Recurrence of hemolytic uremic syndrome after renal transplantation in children: A report of the North American Pediatric Renal Transplant Cooperative Study. Transplantation 2001; 72: 742–745.
- 217. Loirat C, Niaudet P. The risk of recurrence of hemolytic uremic syndrome after renal transplantation in children. Pediatr Nephrol 2003; 18: 1095–1101.

- Conlon PJ, Brennan DC, Pfaf WW et al. Renal transplantation in adults with thrombotic thrombocytopenic purpura/haemolyticuraemic syndrome. Nephrol Dial Transplant 1996; 11: 1810– 1814.
- Lahlou A, Lang P, Charpentier B et al. Hemolytic uremic syndrome. Recurrence after renal transplantation. Groupe Cooperatif de l'Ile-de-France (GCIF). Medicine (Baltimore) 2000; 79: 90–102.
- Artz MA, Steenbergen EJ, Hoitsma AJ et al. Renal transplantation in patients with hemolytic uremic syndrome: High rate of recurrence and increased incidence of acute rejections. Transplantation 2003; 76: 821–826.
- 221. Karthikeyan V, Parasuraman R, Shah V et al. Outcome of plasma exchange therapy in thrombotic microangiopathy after renal transplantation. Am J Transplant 2003; 3: 1289–1294.
- Loirat C, Fremeaux-Bacchi V. Hemolytic uremic syndrome recurrence after renal transplantation. Pediatr Transplant 2008; 12: 619–629.
- Landau D, Shalev H, Levy-Finer G et al. Familial hemolytic uremic syndrome associated with complement factor H deficiency. J Pediatr 2001; 138: 412–417.
- 224. Remuzzi G, Ruggenenti P, Codazzi D et al. Combined kidney and liver transplantation for familial haemolytic uraemic syndrome. Lancet 2002; 359: 1671–1672.
- Jalanko H, Peltonen S, Koskinen A et al. Successful liver-kidney transplantation in two children with aHUS caused by a mutation in complement factor H. Am J Transplant 2008; 8: 216–221.
- Saland JM, Shneider BL, Bromberg JS et al. Successful split liver-kidney transplant for factor H associated hemolytic uremic syndrome. Clin J Am Soc Nephrol 2009; 4: 201–206.
- Banerjee D, Kupin W, Roth D. Hemolytic uremic syndrome after multivisceral transplantation treated with intravenous immunoglobulin. J Nephrol 2003; 16: 733–735.
- Yassa SK, Blessios G, Marinides G et al. Anti-CD20 monoclonal antibody (Rituximab) for life-threatening hemolytic-uremic syndrome. Clin Transplant 2005; 19: 423–426.
- Nachman PH, Segelmark M, Westman K et al. Recurrent ANCAassociated small vessel vasculitis after transplantation: A pooled analysis. Kidney Int 1999; 56: 1544–1550.
- Gera M, Griffin MD, Specks U et al. Recurrence of ANCAassociated vasculitis following renal transplantation in the modern era of immunosupression. Kidney Int 2007; 71: 1296–1301.
- Rosenstein ED, Ribot S, Ventresca E et al. Recurrence of Wegener's granulomatosis following renal transplantation. Br J Rheumatol 1994; 33: 869–871.
- Nyberg G, Akesson P, Norden G et al. Systemic vasculitis in a kidney transplant population. Transplantation 1997; 63: 1273– 1277.
- Clarke AE, Bitton A, Eappen R et al. Treatment of Wegener's granulomatosis after renal transplantation: Is cyclosporine the preferred treatment? Transplantation 1990; 50: 1047–1051.
- Lobbedez T, Comoz F, Renaudineau E et al. Recurrence of ANCA-positive glomerulonephritis immediately after renal transplantation. Am J Kidney Dis 2003; 42: E2–6.
- Geetha D, Seo P. Renal transplantation in the ANCA-associated vasculitides. Am J Transplant 2007; 7: 2657–2662.
- Geetha D, Seo P, Specks U et al. Successful induction of remission with rituximab for relapse of ANCA-associated vasculitis post-kidney transplant: Report of two cases. Am J Transplant 2007; 7: 2821–2825.
- Adams PL, Iskandar SS, Rohr MS. Biopsy-proven resolution of immune complex-mediated crescentic glomerulonephritis with mycophenolate mofetil therapy in an allograft. Am J Kidney Dis 1999; 33: 552–554.

- Harzallah K, Badid C, Fouque D et al. Efficacy of mycophenolate mofetil on recurrent glomerulonephritis after renal transplantation. Clin Nephrol 2003; 59: 212–216.
- Hermle T, Goestemeyer AK, Sweny P et al. Successful therapeutic use of rituximab in refractory Wegener's granulomatosis after renal transplantation. Clin Nephrol 2007; 68: 322–326.
- 240. Nowack R, Gobel U, Klooker P et al. Mycophenolate mofetil for maintenance therapy of Wegener's granulomatosis and microscopic polyangiitis: A pilot study in 11 patients with renal involvement. J Am Soc Nephrol 1999; 10: 1965–1971.
- Khandelwal M, McCormick BB, Lajoie G et al. Recurrence of anti-GBM disease 8 years after renal transplantation. Nephrol Dial Transplant 2004; 19: 491–494.
- 242. Cibrik DM, Kaplan B, Arndorfer JA et al. Renal allograft survival in patients with oxalosis. Transplantation 2002; 74: 707–710.
- Onaca N, Sanchez EQ, Melton LB et al. Cadaveric orthotopic auxiliary split liver transplantation and kidney transplantation: An alternative for type 1 primary hyperoxaluria. Transplantation 2005; 80: 421–424.
- 244. Cochat P, Liutkus A, Fargue S et al. Primary hyperoxaluria type 1: Still challenging! Pediatr Nephrol 2006; 21: 1075–1081.
- 245. Raju DL, Cantarovich M, Brisson ML et al. Primary hyperoxaluria: Clinical course, diagnosis, and treatment after kidney failure. Am J Kidney Dis 2008; 51: e1–5.
- 246. Hoppe B, Beck BB, Milliner DS. The primary hyperoxalurias. Kidney Int 2009; 75: 1264–1271.
- Sikora P, von Unruh GE, Beck B et al. [13C2]oxalate absorption in children with idiopathic calcium oxalate urolithiasis or primary hyperoxaluria. Kidney Int 2008; 73: 1181–1186.
- Rumsby G, Williams E, Coulter-Mackie M. Evaluation of mutation screening as a first line test for the diagnosis of the primary hyperoxalurias. Kidney Int 2004; 66: 959–963.
- Leumann E, Hoppe B, Neuhaus T. Management of primary hyperoxaluria: Efficacy of oral citrate administration. Pediatr Nephrol 1993; 7: 207–211.
- Milliner DS, Eickholt JT, Bergstralh EJ et al. Results of long-term treatment with orthophosphate and pyridoxine in patients with primary hyperoxaluria. N Engl J Med 1994; 331: 1553–1558.
- Mignani R, Feriozzi S, Pisani A et al. Agalsidase therapy in patients with Fabry disease on renal replacement therapy: A nationwide study in Italy. Nephrol Dial Transplant 2008; 23: 1628–1635.
- Shah T, Gill J, Malhotra N et al. Kidney transplant outcomes in patients with Fabry disease. Transplantation 2009; 87: 280–285.
- 253. Mignani R, Panichi V, Giudicissi A et al. Enzyme replacement therapy with agalsidase beta in kidney transplant patients with Fabry disease: A pilot study. Kidney Int 2004; 65: 1381–1385.
- Dziemianko I, Jezior D, Boratynska M et al. Kidney transplantation and enzyme alpha-galactosidase A therapy in patient with Fabry disease: A case report. Transplant Proc 2007; 39: 2925– 2927.
- 255. Fine RN, Becker Y, De Geest S et al. Nonadherence consensus conference summary report. Am J Transplant 2009; 9: 35–41.
- Halloran PF. Immunosuppressive drugs for kidney transplantation. N Engl J Med 2004; 351: 2715–2729.
- Gaston RS. Maintenance immunosuppression in the renal transplant recipient: An overview. Am J Kidney Dis 2001; 38: S25–35.
- 258. Osterberg L, Blaschke T. Adherence to medication. N Engl J Med 2005; 353: 487–497.
- Krueger KP, Berger BA, Felkey B. Medication adherence and persistence: A comprehensive review. Adv Ther 2005; 22: 313– 356.
- Morrissey PE, Flynn ML, Lin S. Medication noncompliance and its implications in transplant recipients. Drugs 2007; 67: 1463– 1481.

- Vlaminck H, Maes B, Evers G et al. Prospective study on late consequences of subclinical non-compliance with immunosuppressive therapy in renal transplant patients. Am J Transplant 2004; 4: 1509–1513.
- Jarzembowski T, John E, Panaro F et al. Impact of noncompliance on outcome after pediatric kidney transplantation: An analysis in racial subgroups. Pediatr Transplant 2004; 8: 367– 371.
- 263. Yen EF, Hardinger K, Brennan DC et al. Cost-effectiveness of extending Medicare coverage of immunosuppressive medications to the life of a kidney transplant. Am J Transplant 2004; 4: 1703–1708.
- Butler JA, Roderick P, Mullee M et al. Frequency and impact of nonadherence to immunosuppressants after renal transplantation: A systematic review. Transplantation 2004; 77: 769–776.
- Gaston RS, Hudson SL, Ward M et al. Late renal allograft loss: Noncompliance masquerading as chronic rejection. Transplant Proc 1999; 31: 21S-23S.
- Dobbels F, Vanhaecke J, Desmyttere A et al. Prevalence and correlates of self-reported pretransplant nonadherence with medication in heart, liver, and lung transplant candidates. Transplantation 2005; 79: 1588–1595.
- 267. Feldman HI, Hackett M, Bilker W et al. Potential utility of electronic drug compliance monitoring in measures of adverse outcomes associated with immunosuppressive agents. Pharmacoepidemiol Drug Saf 1999; 8: 1–14.
- Butler JA, Peveler RC, Roderick P et al. Measuring compliance with drug regimens after renal transplantation: Comparison of self-report and clinician rating with electronic monitoring. Transplantation 2004; 77: 786–789.
- Urquhart J. Patient non-compliance with drug regimens: Measurement, clinical correlates, economic impact. Eur Heart J 1996; 17(Suppl A): 8–15.
- Schafer-Keller P, Steiger J, Bock A et al. Diagnostic accuracy of measurement methods to assess non-adherence to immunosuppressive drugs in kidney transplant recipients. Am J Transplant 2008; 8: 616–626.
- Peterson AM, Takiya L, Finley R. Meta-analysis of trials of interventions to improve medication adherence. Am J Health Syst Pharm 2003; 60: 657–665.
- Laederach-Hofmann K, Bunzel B. Noncompliance in organ transplant recipients: A literature review. Gen Hosp Psychiatry 2000; 22: 412–424.
- Schneider J, Kaplan SH, Greenfield S et al. Better physicianpatient relationships are associated with higher reported adherence to antiretroviral therapy in patients with HIV infection. J Gen Intern Med 2004; 19: 1096–1103.
- Butler JA, Peveler RC, Roderick P et al. Modifiable risk factors for non-adherence to immunosuppressants in renal transplant recipients: A cross-sectional study. Nephrol Dial Transplant 2004; 19: 3144–3149.
- 275. Nevins TE. Non-compliance and its management in teenagers. Pediatr Transplant 2002; 6: 475–479.
- Beck DE, Fennell RS, Yost RL et al. Evaluation of an educational program on compliance with medication regimens in pediatric patients with renal transplants. J Pediatr 1980; 96: 1094– 1097.
- Dobbels F, Van Damme-Lombaert R, Vanhaecke J et al. Growing pains: Non-adherence with the immunosuppressive regimen in adolescent transplant recipients. Pediatr Transplant 2005; 9: 381–390.
- Roter DL, Hall JA, Merisca R et al. Effectiveness of interventions to improve patient compliance: A meta-analysis. Med Care 1998; 36: 1138–1161.

- 279. Andrade AS, McGruder HF, Wu AW et al. A programmable prompting device improves adherence to highly active antiretroviral therapy in HIV-infected subjects with memory impairment. Clin Infect Dis 2005; 41: 875–882.
- Safren SA, Hendriksen ES, Desousa N et al. Use of an on-line pager system to increase adherence to antiretroviral medications. AIDS Care 2003; 15: 787–793.
- Loghman-Adham M. Medication noncompliance in patients with chronic disease: Issues in dialysis and renal transplantation. Am J Manag Care 2003; 9: 155–171.
- Raiz LR, Kilty KM, Henry ML et al. Medication compliance following renal transplantation. Transplantation 1999; 68: 51–55.
- Kiley DJ, Lam CS, Pollak R. A study of treatment compliance following kidney transplantation. Transplantation 1993; 55: 51– 56.
- Claxton AJ, Cramer J, Pierce C. A systematic review of the associations between dose regimens and medication compliance. Clin Ther 2001; 23: 1296–1310.
- Chisholm MA, Mulloy LL, Jagadeesan M et al. Impact of clinical pharmacy services on renal transplant patients' compliance with immunosuppressive medications. Clin Transplant 2001; 15: 330– 336.
- Kripalani S, Yao X, Haynes RB. Interventions to enhance medication adherence in chronic medical conditions: A systematic review. Arch Intern Med 2007; 167: 540–550.
- 287. De Geest S, Schafer-Keller P, Denhaerynck K et al. Supporting medication adherence in renal transplantation (SMART): A pilot RCT to improve adherence to immunosuppressive regimens. Clin Transplant 2006; 20: 359–368.
- Shellmer DA, Zelikovsky N. The challenges of using medication event monitoring technology with pediatric transplant patients. Pediatr Transplant 2007; 11: 422–428.
- Guidelines for vaccination of solid organ transplant candidates and recipients. Am J Transplant 2004; 4(Suppl 10): 160– 163.
- Burroughs M, Moscona A. Immunization of pediatric solid organ transplant candidates and recipients. Clin Infect Dis 2000; 30: 857–869.
- 291. Molrine DC, Hibberd PL. Vaccines for transplant recipients. Infect Dis Clin North Am 2001; 15: 273–305.
- Luthy KE, Tiedeman ME, Beckstrand RL et al. Safety of live-virus vaccines for children with immune deficiency. J Am Acad Nurse Pract 2006; 18: 494–503.
- Prevention of influenza: Recommendations for influenza immunization of children, 2006–2007. Pediatrics 2007; 119: 846–851.
- Keshtkar-Jahromi M, Argani H, Rahnavardi M et al. Antibody response to influenza immunization in kidney transplant recipients receiving either azathioprine or mycophenolate: A controlled trial. Am J Nephrol 2008; 28: 654–660.
- 295. Sanchez-Fructuoso AI, Prats D, Naranjo P et al. Influenza virus immunization effectivity in kidney transplant patients subjected to two different triple-drug therapy immunosuppression protocols: Mycophenolate versus azathioprine. Transplantation 2000; 69: 436–439.
- Recommendations for preventing transmission of infections among chronic hemodialysis patients. MMWR Recomm Rep 2001; 50: 1–43.
- 297. Are booster immunisations needed for lifelong hepatitis B immunity? European Consensus Group on Hepatitis B Immunity. Lancet 2000; 355: 561–565.
- Hirsch HH, Brennan DC, Drachenberg CB et al. Polyomavirusassociated nephropathy in renal transplantation: Interdisciplinary analyses and recommendations. Transplantation 2005; 79: 1277–1286.

- Randhawa P, Brennan DC. BK virus infection in transplant recipients: An overview and update. Am J Transplant 2006; 6: 2000–2005.
- Brennan DC, Agha I, Bohl DL et al. Incidence of BK with tacrolimus versus cyclosporine and impact of preemptive immunosuppression reduction. Am J Transplant 2005; 5: 582– 594.
- Almeras C, Foulongne V, Garrigue V et al. Does reduction in immunosuppression in viremic patients prevent BK virus nephropathy in de novo renal transplant recipients? A prospective study. Transplantation 2008; 85: 1099–1104.
- Williams JW, Javaid B, Kadambi PV et al. Leflunomide for polyomavirus type BK nephropathy. N Engl J Med 2005; 352: 1157– 1158.
- Paya C, Razonable R. Cytomegalovirus infection after organ transplantation. In: Bowden R, Ljungman P, Paya C (eds). Transplant infections, *2nd ed.* Lippincott, Williams and Wilkins, 2003, pp 298–325.
- Hibberd PL, Tolkoff-Rubin NE, Cosimi AB et al. Symptomatic cytomegalovirus disease in the cytomegalovirus antibody seropositive renal transplant recipient treated with OKT3. Transplantation 1992; 53: 68–72.
- 305. Cytomegalovirus. Am J Transplant 2004; 4(Suppl 10): 51-58.
- 306. Hodson EM, Barclay PG, Craig JC et al. Antiviral medications for preventing cytomegalovirus disease in solid organ transplant recipients. Cochrane Database Syst Rev 2005: CD003774.
- 307. Hodson EM, Jones CA, Strippoli GF et al. Immunoglobulins, vaccines or interferon for preventing cytomegalovirus disease in solid organ transplant recipients. Cochrane Database Syst Rev 2007: CD005129.
- Strippoli GF, Hodson EM, Jones C et al. Preemptive treatment for cytomegalovirus viremia to prevent cytomegalovirus disease in solid organ transplant recipients. Transplantation 2006; 81: 139–145.
- Kliem V, Fricke L, Wollbrink T et al. Improvement in long-term renal graft survival due to CMV prophylaxis with oral ganciclovir: Results of a randomized clinical trial. Am J Transplant 2008; 8: 975–983.
- Hibberd PL, Tolkoff-Rubin NE, Conti D et al. Preemptive ganciclovir therapy to prevent cytomegalovirus disease in cytomegalovirus antibody-positive renal transplant recipients. A randomized controlled trial. Ann Intern Med 1995; 123: 18–26.
- Stratta RJ, Shaefer MS, Cushing KA et al. A randomized prospective trial of acyclovir and immune globulin prophylaxis in liver transplant recipients receiving OKT3 therapy. Arch Surg 1992; 127: 55–63.
- Asberg A, Humar A, Rollag H et al. Oral valganciclovir is noninferior to intravenous ganciclovir for the treatment of cytomegalovirus disease in solid organ transplant recipients. Am J Transplant 2007; 7: 2106–2113.
- Humar A, Kumar D, Boivin G et al. Cytomegalovirus (CMV) virus load kinetics to predict recurrent disease in solid-organ transplant patients with CMV disease. J Infect Dis 2002; 186: 829– 833.
- Weinberg A, Hodges TN, Li S et al. Comparison of PCR, antigenemia assay, and rapid blood culture for detection and prevention of cytomegalovirus disease after lung transplantation. J Clin Microbiol 2000; 38: 768–772.
- 315. Epstein-Barr virus and lymphoproliferative disorders after transplantation. Am J Transplant 2004; 4: 59–65.
- Cockfield SM, Preiksaitis JK, Jewell LD et al. Post-transplant lymphoproliferative disorder in renal allograft recipients. Clinical experience and risk factor analysis in a single center. Transplantation 1993; 56: 88–96.

- McDonald RA, Smith JM, Ho M et al. Incidence of PTLD in pediatric renal transplant recipients receiving basiliximab, calcineurin inhibitor, sirolimus and steroids. Am J Transplant 2008; 8: 984– 989.
- Rowe DT, Webber S, Schauer EM et al. Epstein-Barr virus load monitoring: Its role in the prevention and management of posttransplant lymphoproliferative disease. Transpl Infect Dis 2001; 3: 79–87.
- Paya CV, Fung JJ, Nalesnik MA et al. Epstein-Barr virus-induced posttransplant lymphoproliferative disorders. ASTS/ASTP EBV-PTLD Task Force and The Mayo Clinic Organized International Consensus Development Meeting. Transplantation 1999; 68: 1517–1525.
- Breinig MK, Zitelli B, Starzl TE et al. Epstein-Barr virus, cytomegalovirus, and other viral infections in children after liver transplantation. J Infect Dis 1987; 156: 273–279.
- Lee TC, Savoldo B, Rooney CM et al. Quantitative EBV viral loads and immunosuppression alterations can decrease PTLD incidence in pediatric liver transplant recipients. Am J Transplant 2005; 5: 2222–2228.
- Green M, Michaels MG, Katz BZ et al. CMV-IVIG for prevention of Epstein Barr virus disease and posttransplant lymphoproliferative disease in pediatric liver transplant recipients. Am J Transplant 2006; 6: 1906–1912.
- 323. Harris NL, Jaffe ES, Diebold J et al. The World Health Organization classification of neoplastic diseases of the haematopoietic and lymphoid tissues: Report of the Clinical Advisory Committee Meeting, Airlie House, Virginia, November 1997. Histopathology 2000; 36: 69–86.
- 324. Dharnidharka VR, Sullivan EK, Stablein DM et al. Risk factors for posttransplant lymphoproliferative disorder (PTLD) in pediatric kidney transplantation: A report of the North American Pediatric Renal Transplant Cooperative Study (NAPRTCS). Transplantation 2001; 71: 1065–1068.
- 325. Caillard S, Lelong C, Pessione F et al. Post-transplant lymphoproliferative disorders occurring after renal transplantation in adults: Report of 230 cases from the French Registry. Am J Transplant 2006; 6: 2735–2742.
- Opelz G, Dohler B. Lymphomas after solid organ transplantation: A collaborative transplant study report. Am J Transplant 2004; 4: 222–230.
- Dharnidharka VR, Harmon WE. Management of pediatric postrenal transplantation infections. Semin Nephrol 2001; 21: 521– 531.
- Green M. Management of Epstein-Barr virus-induced posttransplant lymphoproliferative disease in recipients of solid organ transplantation. Am J Transplant 2001; 1: 103–108.
- Goldstein SL, Somers MJ, Lande MB et al. Acyclovir prophylaxis of varicella in children with renal disease receiving steroids. Pediatr Nephrol 2000; 14: 305–308.
- Varicella-zoster infections. In: Pickering L, Baker C, Long S, McMillan J (eds). Red book: 2006 report of the committee on infectious disease of the American Academy of Pediatrics, 27th edn. American Academy of Pediatrics: Elk Grove Village, IL, 2006, pp 711–725.
- Koneru B, Tzakis AG, DePuydt LE et al. Transmission of fatal herpes simplex infection through renal transplantation. Transplantation 1988; 45: 653–656.
- 332. Wertheim P, Slaterus KW, Geelen JL et al. Cytomegalo and herpes simplex virus infections in renal transplant recipients. Scand J Urol Nephrol Suppl 1985; 92: 5–8.
- 333. Guidelines for the prevention and management of infectious complications of solid organ transplantation: HHV-6, HHV-7, HHV-8, HSV-1 and -2, VZV. Am J Transplant 2004; 4: 66–71.

- Rubin RH, Tolkoff-Rubin NE. Viral infection in the renal transplant patient. Proc Eur Dial Transplant Assoc 1983; 19: 513– 526.
- Rodriguez-Moreno A, Sanchez-Fructuoso AI, Calvo N et al. Varicella infection in adult renal allograft recipients: Experience at one center. Transplant Proc 2006; 38: 2416–2418.
- 336. Arora A, Mendoza N, Brantley J et al. Double-blind study comparing 2 dosages of valacyclovir hydrochloride for the treatment of uncomplicated herpes zoster in immunocompromised patients 18 years of age and older. J Infect Dis 2008; 197: 1289– 1295.
- 337. Kurokawa I, Murakawa K, Kumano K. The change in zosterassociated pain treated with oral valaciclovir in immunocompetent patients with acute herpes zoster. Int J Clin Pract 2007; 61: 1223–1229.
- 338. Fehr T, Bossart W, Wahl C et al. Disseminated varicella infection in adult renal allograft recipients: Four cases and a review of the literature. Transplantation 2002; 73: 608–611.
- Boeckh M. Prevention of VZV infection in immunosuppressed patients using antiviral agents. Herpes 2006; 13: 60–65.
- 340. Kidney Disease: Improving Global Outcomes (KDIGO). KDIGO clinical practice guidelines for the prevention, diagnosis, evaluation, and treatment of hepatitis C in chronic kidney disease. Kidney Int 2008; (Suppl 109): S1–S99.
- Burdick RA, Bragg-Gresham JL, Woods JD et al. Patterns of hepatitis B prevalence and seroconversion in hemodialysis units from three continents: The DOPPS. Kidney Int 2003; 63: 2222– 2229.
- Tokars JI, Frank M, Alter MJ et al. National surveillance of dialysis-associated diseases in the United States, 2000. Semin Dial 2002; 15: 162–171.
- Harnett JD, Zeldis JB, Parfrey PS et al. Hepatitis B disease in dialysis and transplant patients. Further epidemiologic and serologic studies. Transplantation 1987; 44: 369–376.
- Martin P, Friedman LS. Chronic viral hepatitis and the management of chronic renal failure. Kidney Int 1995; 47: 1231–1241.
- 345. Fabrizi F, Lunghi G, Finazzi S et al. Decreased serum aminotransferase activity in patients with chronic renal failure: Impact on the detection of viral hepatitis. Am J Kidney Dis 2001; 38: 1009–1015.
- 346. Fabrizi F, Martin P, Dixit V et al. HBsAg seropositive status and survival after renal transplantation: Meta-analysis of observational studies. Am J Transplant 2005; 5: 2913–2921.
- Aroldi A, Lampertico P, Montagnino G et al. Natural history of hepatitis B and C in renal allograft recipients. Transplantation 2005; 79: 1132–1136.
- 348. Pfaff WW, Blanton JW. Hepatitis antigenemia and survival after renal transplantation. Clin Transplant 1997; 11: 476–479.
- Mathurin P, Mouquet C, Poynard T et al. Impact of hepatitis B and C virus on kidney transplantation outcome. Hepatology 1999; 29: 257–263.
- 350. Fornairon S, Pol S, Legendre C et al. The long-term virologic and pathologic impact of renal transplantation on chronic hepatitis B virus infection. Transplantation 1996; 62: 297–299.
- 351. Barclay S, Pol S, Mutimer D et al. Erratum to 'The management of chronic hepatitis B in the immunocompromised patient: Recommendations from a single topic meeting' [J. Clin. Virol. 41 (4) 2008 243–254]. J Clin Virol 2008; 42: 104–115.
- 352. Jain P, Nijhawan S. Occult hepatitis C virus infection is more common than hepatitis B infection in maintenance hemodialysis patients. World J Gastroenterol 2008; 14: 2288–2289.
- Altindis M, Uslan I, Cetinkaya Z et al. [Investigation of hemodialysis patients in terms of the presence of occult hepatitis B]. Mikrobiyol Bul 2007; 41: 227–233.

- 354. Yakaryilmaz F, Gurbuz OA, Guliter S et al. Prevalence of occult hepatitis B and hepatitis C virus infections in Turkish hemodialysis patients. Ren Fail 2006; 28: 729–735.
- 355. Kanbay M, Gur G, Akcay A et al. Is hepatitis C virus positivity a contributing factor to occult hepatitis B virus infection in hemodialysis patients? Dig Dis Sci 2006; 51: 1962– 1966.
- Siagris D, Christofidou M, Triga K et al. Occult hepatitis B virus infection in hemodialysis patients with chronic HCV infection. J Nephrol 2006; 19: 327–333.
- 357. Peres AA, Dias EA, Chesky M et al. Occult hepatitis B in renal transplant patients. Transpl Infect Dis 2005; 7: 51–56.
- 358. Besisik F, Karaca C, Akyuz F et al. Occult HBV infection and YMDD variants in hemodialysis patients with chronic HCV infection. J Hepatol 2003; 38: 506–510.
- 359. Oesterreicher C, Hammer J, Koch U et al. HBV and HCV genome in peripheral blood mononuclear cells in patients undergoing chronic hemodialysis. Kidney Int 1995; 48: 1967–1971.
- Minuk GY, Sun DF, Greenberg R et al. Occult hepatitis B virus infection in a North American adult hemodialysis patient population. Hepatology 2004; 40: 1072–1077.
- Gwak GY, Huh W, Lee DH et al. Occult hepatitis B virus infection in chronic hemodialysis patients in Korea. Hepatogastroenterology 2008; 55: 1721–1724.
- 362. Fabrizi F, Messa PG, Lunghi G et al. Occult hepatitis B virus infection in dialysis patients: A multicentre survey. Aliment Pharmacol Ther 2005; 21: 1341–1347.
- Goral V, Ozkul H, Tekes S et al. Prevalence of occult HBV infection in haemodialysis patients with chronic HCV. World J Gastroenterol 2006; 12: 3420–3424.
- Knoll A, Pietrzyk M, Loss M et al. Solid-organ transplantation in HBsAg-negative patients with antibodies to HBV core antigen: Low risk of HBV reactivation. Transplantation 2005; 79: 1631– 1633.
- Berger A, Preiser W, Kachel HG et al. HBV reactivation after kidney transplantation. J Clin Virol 2005; 32: 162–165.
- Savas N, Colak T, Yilmaz U et al. Hepatitis B virus reactivation after renal transplantation: Report of two cases. Transpl Int 2007; 20: 301–304.
- Durlik M, Gaciong Z, Rowinska D et al. Long-term results of treatment of chronic hepatitis B, C and D with interferon-alpha in renal allograft recipients. Transpl Int 1998; 11(Suppl 1): S135– 139.
- Fabrizi F, Dulai G, Dixit V et al. Lamivudine for the treatment of hepatitis B virus-related liver disease after renal transplantation: Meta-analysis of clinical trials. Transplantation 2004; 77: 859– 864.
- Chan TM, Fang GX, Tang CS et al. Preemptive lamivudine therapy based on HBV DNA level in HBsAg-positive kidney allograft recipients. Hepatology 2002; 36: 1246–1252.
- Santos FR, Haiashi AR, Araujo MR et al. Lamivudine therapy for hepatitis B in renal transplantation. Braz J Med Biol Res 2002; 35: 199–203.
- Kamar N, Sandres-Saune K, Ribes D et al. Effects of long-term lamivudine therapy in renal-transplant patients. J Clin Virol 2004; 31: 298–303.
- Thabut D, Thibault V, Bernard-Chabert B et al. Long-term therapy with lamivudine in renal transplant recipients with chronic hepatitis B. Eur J Gastroenterol Hepatol 2004; 16: 1367– 1373.
- de Silva HJ, Herath CA, Sheriff MH. Lamivudine therapy for hepatitis B infection in post-renal transplant patients: Results after 36 months follow-up. Liver Int 2005; 25: 1074–1075.

- 374. Lapinski TW, Flisiak R, Jaroszewicz J et al. Efficiency and safety of lamivudine therapy in patients with chronic HBV infection, dialysis or after kidney transplantation. World J Gastroenterol 2005; 11: 400–402.
- Vigano M, Colombo M, Aroldi A et al. Long-term lamivudine monotherapy in renal-transplant recipients with hepatitis-B-related cirrhosis. Antivir Ther 2005; 10: 709–713.
- Rostaing L, Henry S, Cisterne JM et al. Efficacy and safety of lamivudine on replication of recurrent hepatitis B after cadaveric renal transplantation. Transplantation 1997; 64: 1624– 1627.
- Goffin E, Horsmans Y, Cornu C et al. Lamivudine inhibits hepatitis B virus replication in kidney graft recipients. Transplantation 1998; 66: 407–409.
- Jung YO, Lee YS, Yang WS et al. Treatment of chronic hepatitis B with lamivudine in renal transplant recipients. Transplantation 1998; 66: 733–737.
- Kletzmayr J, Watschinger B, Muller C et al. Twelve months of lamivudine treatment for chronic hepatitis B virus infection in renal transplant recipients. Transplantation 2000; 70: 1404–1407.
- Tsai MK, Lai MY, Hu RH et al. Managing hepatitis B reactivation in renal transplant recipients: A 12-year review with emphasis on early detection and early use of lamivudine. Transplant Proc 2000; 32: 1935–1936.
- Lewandowska D, Durlik M, Kukula K et al. Treatment of chronic hepatitis B with lamivudine in renal allograft recipients. Transplant Proc 2000; 32: 1369–1370.
- Antoine C, Landau A, Menoyo V et al. Efficacy and safety of lamivudine in renal transplant patients with chronic hepatitis B. Transplant Proc 2000; 32: 384–385.
- Mouquet C, Bernard B, Poynard T et al. Chronic hepatitis B treatment with lamivudine in kidney transplant patients. Transplant Proc 2000; 32: 2762.
- Fontaine H, Thiers V, Chretien Y et al. HBV genotypic resistance to lamivudine in kidney recipients and hemodialyzed patients. Transplantation 2000; 69: 2090–2094.
- Lee WC, Wu MJ, Cheng CH et al. Lamivudine is effective for the treatment of reactivation of hepatitis B virus and fulminant hepatic failure in renal transplant recipients. Am J Kidney Dis 2001; 38: 1074–1081.
- 386. Han DJ, Kim TH, Park SK et al. Results on preemptive or prophylactic treatment of lamivudine in HBsAg (+) renal allograft recipients: Comparison with salvage treatment after hepatic dysfunction with HBV recurrence. Transplantation 2001; 71: 387–394.
- Park SK, Yang WS, Lee YS et al. Outcome of renal transplantation in hepatitis B surface antigen-positive patients after introduction of lamivudine. Nephrol Dial Transplant 2001; 16: 2222–2228.
- Mosconi G, Scolari MP, Manna C et al. Lamivudine in recurrent hepatitis B after renal transplantation. Transplant Proc 2001; 33: 1873–1874.
- Filik L, Karakayali H, Moray G et al. Lamivudine therapy in kidney allograft recipients who are seropositive for hepatitis B surface antigen. Transplant Proc 2006; 38: 496–498.
- Wirth S. Antiviral treatment of hepatitis B following solid organ transplantation in children. Pediatr Transplant 2006; 10: 271–275.
- Gane E, Pilmore H. Management of chronic viral hepatitis before and after renal transplantation. Transplantation 2002; 74: 427– 437.
- 392. Chan TM, Tse KC, Tang CS et al. Prospective study on lamivudine-resistant hepatitis B in renal allograft recipients. Am J Transplant 2004; 4: 1103–1109.
- Fontaine H, Vallet-Pichard A, Chaix ML et al. Efficacy and safety of adefovir dipivoxil in kidney recipients, hemodialysis patients,

and patients with renal insufficiency. Transplantation 2005; 80: 1086–1092.

- Lai CL, Rosmawati M, Lao J et al. Entecavir is superior to lamivudine in reducing hepatitis B virus DNA in patients with chronic hepatitis B infection. Gastroenterology 2002; 123: 1831–1838.
- 395. Kamar N, Milioto O, Alric L et al. Entecavir therapy for adefovirresistant hepatitis B virus infection in kidney and liver allograft recipients. Transplantation 2008; 86: 611–614.
- Ayoub WS, Keeffe EB. Review article: Current antiviral therapy of chronic hepatitis B. Aliment Pharmacol Ther 2008; 28: 167– 177.
- Marcellin P, Heathcote EJ, Buti M et al. Tenofovir disoproxil fumarate versus adefovir dipivoxil for chronic hepatitis B. N Engl J Med 2008; 359: 2442–2455.
- Solid organ transplantation in the HIV-infected patient. Am J Transplant 2004; 4: 83–88.
- 399. Gruber SA, Doshi MD, Cincotta E et al. Preliminary experience with renal transplantation in HIV+ recipients: Low acute rejection and infection rates. Transplantation 2008; 86: 269–274.
- Roland ME, Barin B, Carlson L et al. HIV-infected liver and kidney transplant recipients: 1- and 3-year outcomes. Am J Transplant 2008; 8: 355–365.
- Frassetto LA, Browne M, Cheng A et al. Immunosuppressant pharmacokinetics and dosing modifications in HIV-1 infected liver and kidney transplant recipients. Am J Transplant 2007; 7: 2816– 2820.
- Schmaldienst S, Dittrich E, Horl WH. Urinary tract infections after renal transplantation. Curr Opin Urol 2002; 12: 125–130.
- 403. Fox BC, Sollinger HW, Belzer FO et al. A prospective, randomized, double-blind study of trimethoprim-sulfamethoxazole for prophylaxis of infection in renal transplantation: Clinical efficacy, absorption of trimethoprim-sulfamethoxazole, effects on the microflora, and the cost-benefit of prophylaxis. Am J Med 1990; 89: 255–274.
- 404. Hibberd PL, Tolkoff-Rubin NE, Doran M et al. Trimethoprimsulfamethoxazole compared with ciprofloxacin for the prevention of urinary tract infection in renal transplant recipients. A doubleblind, randomized controlled trial. Online J Curr Clin Trials 1992; Doc No 15.
- Munoz P. Management of urinary tract infections and lymphocele in renal transplant recipients. Clin Infect Dis 2001; 33(Suppl 1): S53–57.
- 406. Pneumocystis jiroveci (formerly Pneumocystis carinii). Am J Transplant 2004; 4 (Suppl 10): 135–141.
- 407. Hughes WT, Rivera GK, Schell MJ et al. Successful intermittent chemoprophylaxis for Pneumocystis carinii pneumonitis. N Engl J Med 1987; 316: 1627–1632.
- 408. Guidelines for the prevention and treatment of opportunistic infections among HIV-exposed and HIV-infected children. Recommendations from CDC, the National Institutes of Health, the HIV Medicine Association of the Infections Diseases Society of America, the Pediatric Infections Diseases Society, and the American Academy of Pediatrics. Morbidity and Mortality Weekly Report 2009; 58(RR-11), pp. 1–176.
- Hennequin C, Page B, Roux P et al. Outbreak of Pneumocystis carinii pneumonia in a renal transplant unit. Eur J Clin Microbiol Infect Dis 1995; 14: 122–126.
- Sterling RP, Bradley BB, Khalil KG et al. Comparison of biopsyproven Pneumocystis carinii pneumonia in acquired immune deficiency syndrome patients and renal allograft recipients. Ann Thorac Surg 1984; 38: 494–499.
- European best practice guidelines for renal transplantation. Section IV: Long-term management of the transplant recipient.

IV.7.2. Late infections. Tuberculosis. Nephrol Dial Transplant 2002; 17(Suppl 4): 39-43.

- 412. Jha V, Chugh KS. Posttransplant infections in the tropical countries. Artif Organs 2002; 26: 770–777.
- Drobniewski FA, Ferguson J. Tuberculosis in renal transplant units. Nephrol Dial Transplant 1996; 11: 768–770.
- MMWR: Treatment of tuberculosis. Centers for Disease Control and Prevention. In (vol 52, RR11), Atlanta, GA, USA, American Thoracic Society, CDC, and Infectious Diseases Society of America, 2003, pp 1–77
- Agarwal SK, Gupta S, Dash SC et al. Prospective randomised trial of isoniazid prophylaxis in renal transplant recipient. Int Urol Nephrol 2004; 36: 425–431.
- Thomas PA, Jr., Manko MA. Chemoprophylaxis for the prevention of tuberculosis in the immunosuppressed renal allograft recipient. Transplantation 1975; 20: 76–77.
- Naqvi R, Akhtar S, Noor H et al. Efficacy of isoniazid prophylaxis in renal allograft recipients. Transplant Proc 2006; 38: 2057– 2058.
- 418. Mycobacterium tuberculosis. Am J Transplant 2004; 4(Suppl 10): 37–41.
- Screening for tuberculosis and tuberculosis infection in high-risk populations. Recommendations of the Advisory Council for the Elimination of Tuberculosis. MMWR Recomm Rep 1995; 44: 19– 34.
- 420. Triverio PA, Bridevaux PO, Roux-Lombard P et al. Interferongamma release assays versus tuberculin skin testing for detection of latent tuberculosis in chronic haemodialysis patients. Nephrol Dial Transplant 2009; 24: 1952–1956.
- 421. Hursitoglu M, Cikrikcioglu MA, Tukek T et al. Acute effect of low-flux hemodialysis process on the results of the interferongamma-based QuantiFERON-TB Gold In-Tube test in end-stage renal disease patients. Transpl Infect Dis 2009; 11: 28–32.
- 422. Winthrop KL, Nyendak M, Calvet H et al. Interferon-gamma release assays for diagnosing mycobacterium tuberculosis infection in renal dialysis patients. Clin J Am Soc Nephrol 2008; 3: 1357–1363.
- Kobashi Y, Mouri K, Obase Y et al. Clinical evaluation of QuantiF-ERON TB-2G test for immunocompromised patients. Eur Respir J 2007; 30: 945–950.
- 424. Sakhuja V, Jha V, Varma PP et al. The high incidence of tuberculosis among renal transplant recipients in India. Transplantation 1996; 61: 211–215.
- 425. Jha V, Sakhuja V, Gupta D et al. Successful management of pulmonary tuberculosis in renal allograft recipients in a single center. Kidney Int 1999; 56: 1944–1950.
- Vachharajani TJ, Oza UG, Phadke AG et al. Tuberculosis in renal transplant recipients: Rifampicin sparing treatment protocol. Int Urol Nephrol 2002; 34: 551–553.
- 427. Fungal infections. Am J Transplant 2004; 4(Suppl 10): 110-134.
- Vasquez E, Pollak R, Benedetti E. Clotrimazole increases tacrolimus blood levels: A drug interaction in kidney transplant patients. Clin Transplant 2001; 15: 95–99.
- Aakhus S, Dahl K, Wideroe TE. Cardiovascular morbidity and risk factors in renal transplant patients. Nephrol Dial Transplant 1999; 14: 648–654.
- Kasiske BL, Chakkera HA, Roel J. Explained and unexplained ischemic heart disease risk after renal transplantation. J Am Soc Nephrol 2000; 11: 1735–1743.
- 431. Woo YM, McLean D, Kavanagh D et al. The influence of preoperative electrocardiographic abnormalities and cardiovascular risk factors on patient and graft survival following renal transplantation. J Nephrol 2002; 15: 380–386.

- Ducloux D, Kazory A, Chalopin JM. Predicting coronary heart disease in renal transplant recipients: A prospective study. Kidney Int 2004; 66: 441–447.
- Aakhus S, Dahl K, Wideroe TE. Cardiovascular disease in stable renal transplant patients in Norway: Morbidity and mortality during a 5-yr follow-up. Clin Transplant 2004; 18: 596–604.
- Kiberd B, Panek R. Cardiovascular outcomes in the outpatient kidney transplant clinic: The Framingham risk score revisited. Clin J Am Soc Nephrol 2008; 3: 822–828.
- 435. Ojo AO. Cardiovascular complications after renal transplantation and their prevention. Transplantation 2006; 82: 603–611.
- 436. USRDS 2007 annual data report: Atlas of chronic kidney disease and end-stage renal disease in the United States In, Bethesda, MD, US Renal Data System, National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases, 2007.
- Kasiske BL, Maclean JR, Snyder JJ. Acute myocardial infarction and kidney transplantation. J Am Soc Nephrol 2006; 17: 900– 907.
- Aker S, Ivens K, Grabensee B et al. Cardiovascular risk factors and diseases after renal transplantation. Int Urol Nephrol 1998; 30: 777–788.
- Arend SM, Mallat MJ, Westendorp RJ et al. Patient survival after renal transplantation; more than 25 years follow-up. Nephrol Dial Transplant 1997; 12: 1672–1679.
- Cosio FG, Alamir A, Yim S et al. Patient survival after renal transplantation: I. The impact of dialysis pre-transplant. Kidney Int 1998; 53: 767–772.
- 441. Kasiske BL. Risk factors for accelerated atherosclerosis in renal transplant recipients. Am J Med 1988; 84: 985–992.
- Kasiske BL, Guijarro C, Massy ZA et al. Cardiovascular disease after renal transplantation. J Am Soc Nephrol 1996; 7: 158–165.
- 443. Lentine KL, Schnitzler MA, Abbott KC et al. De novo congestive heart failure after kidney transplantation: A common condition with poor prognostic implications. Am J Kidney Dis 2005; 46: 720–733.
- Hernandez D, Rufino M, Bartolomei S et al. Clinical impact of preexisting vascular calcifications on mortality after renal transplantation. Kidney Int 2005; 67: 2015–2020.
- 445. Humar A, Gillingham K, Payne WD et al. Increased incidence of cardiac complications in kidney transplant recipients with cytomegalovirus disease. Transplantation 2000; 70: 310–313.
- 446. Kalil RS, Hudson SL, Gaston RS. Determinants of cardiovascular mortality after renal transplantation: A role for cytomegalovirus? Am J Transplant 2003; 3: 79–81.
- 447. Kim SJ, Schaubel DE, Fenton SS et al. Mortality after kidney transplantation: A comparison between the United States and Canada. Am J Transplant 2006; 6: 109–114.
- 448. Lindholm A, Albrechtsen D, Frodin L et al. Ischemic heart disease-major cause of death and graft loss after renal transplantation in Scandinavia. Transplantation 1995; 60: 451–457.
- Matas AJ, Gillingham KJ, Sutherland DE. Half-life and risk factors for kidney transplant outcome–importance of death with function. Transplantation 1993; 55: 757–761.
- Oliveras A, Roquer J, Puig JM et al. Stroke in renal transplant recipients: Epidemiology, predictive risk factors and outcome. Clin Transplant 2003; 17: 1–8.
- 451. Sanfilippo F, Vaughn WK, LeFor WM et al. Multivariate analysis of risk factors in cadaver donor kidney transplantation. Transplantation 1986; 42: 28–34.
- 452. Sung RS, Althoen M, Howell TA et al. Peripheral vascular occlusive disease in renal transplant recipients: Risk factors and impact on kidney allograft survival. Transplantation 2000; 70: 1049–1054.

- Woo YM, Jardine AG, Clark AF et al. Early graft function and patient survival following cadaveric renal transplantation. Kidney Int 1999; 55: 692–699.
- 454. Aalten J, Christiaans MH, de Fijter H et al. The influence of obesity on short- and long-term graft and patient survival after renal transplantation. Transpl Int 2006; 19: 901–907.
- 455. Glanton CW, Kao TC, Cruess D et al. Impact of renal transplantation on survival in end-stage renal disease patients with elevated body mass index. Kidney Int 2003; 63: 647–653.
- 456. Meier-Kriesche HU, Arndorfer JA, Kaplan B. The impact of body mass index on renal transplant outcomes: A significant independent risk factor for graft failure and patient death. Transplantation 2002; 73: 70–74.
- 457. Curtis JJ, Galla JH, Woodford SY et al. Effect of alternate-day prednisone on plasma lipids in renal transplant recipients. Kidney Int 1982; 22: 42–47.
- 458. Groth CG, Backman L, Morales JM et al. Sirolimus (rapamycin)based therapy in human renal transplantation: Similar efficacy and different toxicity compared with cyclosporine. Sirolimus European Renal Transplant Study Group. Transplantation 1999; 67: 1036–1042.
- Hilbrands LB, Demacker PN, Hoitsma AJ et al. The effects of cyclosporine and prednisone on serum lipid and (apo)lipoprotein levels in renal transplant recipients. J Am Soc Nephrol 1995; 5: 2073–2081.
- 460. Hollander AA, Hene RJ, Hermans J et al. Late prednisone withdrawal in cyclosporine-treated kidney transplant patients: A randomized study. J Am Soc Nephrol 1997; 8: 294–301.
- 461. Hricik DE, Mayes JT, Schulak JA. Independent effects of cyclosporine and prednisone on posttransplant hypercholesterolemia. Am J Kidney Dis 1991; 18: 353–358.
- Ingulli E, Tejani A, Markell M. The beneficial effects of steroid withdrawal on blood pressure and lipid profile in children posttransplantation in the cyclosporine era. Transplantation 1993; 55: 1029–1033.
- 463. John GT, Dakshinamurthy DS, Jeyaseelan L et al. The effect of cyclosporin A on plasma lipids during the first year after renal transplantation. Natl Med J India 1999; 12: 14–17.
- Kupin W, Venkat KK, Oh HK et al. Complete replacement of methylprednisolone by azathioprine in cyclosporine-treated primary cadaveric renal transplant recipients. Transplantation 1988; 45: 53–55.
- 465. Vanrenterghem Y, Lebranchu Y, Hene R et al. Double-blind comparison of two corticosteroid regimens plus mycophenolate mofetil and cyclosporine for prevention of acute renal allograft rejection. Transplantation 2000; 70: 1352–1359.
- National Kidney Foundation. K/DOQI clinical practice guidelines for managing dyslipidemias in chronic kidney disease. Am J Kidney Dis 2003; 41 (Suppl 3): S1–91.
- Diagnosis and classification of diabetes mellitus. Diabetes Care 2009; 32(Suppl 1): S62–67.
- Roth D, Milgrom M, Esquenazi V et al. Posttransplant hyperglycemia. Increased incidence in cyclosporine-treated renal allograft recipients. Transplantation 1989; 47: 278– 281.
- Fryer JP, Granger DK, Leventhal JR et al. Steroid-related complications in the cyclosporine era. Clin Transplant 1994; 8: 224– 229.
- Revanur VK, Jardine AG, Kingsmore DB et al. Influence of diabetes mellitus on patient and graft survival in recipients of kidney transplantation. Clin Transplant 2001; 15: 89–94.
- 471. Cosio FG, Pesavento TE, Osei K et al. Post-transplant diabetes mellitus: Increasing incidence in renal allograft recipients transplanted in recent years. Kidney Int 2001; 59: 732–737.

 Cosio FG, Pesavento TE, Kim S et al. Patient survival after renal transplantation: IV. Impact of post-transplant diabetes. Kidney Int 2002; 62: 1440–1446.

- Johny KV, Nampoory MR, Costandi JN et al. High incidence of post-transplant diabetes mellitus in Kuwait. Diabetes Res Clin Pract 2002; 55: 123–130.
- Kasiske BL, Snyder JJ, Gilbertson D et al. Diabetes mellitus after kidney transplantation in the United States. Am J Transplant 2003; 3: 178–185.
- 475. Woodward RS, Schnitzler MA, Baty J et al. Incidence and cost of new onset diabetes mellitus among U.S. wait-listed and transplanted renal allograft recipients. Am J Transplant 2003; 3: 590– 598.
- 476. Abbott KC, Lentine KL, Bucci JR et al. Impact of diabetes and hepatitis after kidney transplantation on patients who are affected by hepatitis C virus. J Am Soc Nephrol 2004; 15: 3166– 3174.
- 477. Gourishankar S, Jhangri GS, Tonelli M et al. Development of diabetes mellitus following kidney transplantation: A Canadian experience. Am J Transplant 2004; 4: 1876–1882.
- 478. Andrade-Sierra J, Contreras AM, Monteon FJ et al. Risk factors and incidence of posttransplant diabetes mellitus in Mexican kidney recipients. Arch Med Res 2006; 37: 961–966.
- 479. Araki M, Flechner SM, Ismail HR et al. Posttransplant diabetes mellitus in kidney transplant recipients receiving calcineurin or mTOR inhibitor drugs. Transplantation 2006; 81: 335–341.
- 480. Al-Uzri A, Stablein DM, R AC. Posttransplant diabetes mellitus in pediatric renal transplant recipients: A report of the North American Pediatric Renal Transplant Cooperative Study (NAPRTCS). Transplantation 2001; 72: 1020–1024.
- 481. Sukthankar SA, Lewis MA, Webb NJ et al. Diabetes mellitus following paediatric renal transplantation: A single centre experience. Horm Res 2007; 67: 84–88.
- Abbott KC, Bernet VJ, Agodoa LY et al. Differing manifestations of hepatitis C and tacrolimus on hospitalized diabetes mellitus occurring after kidney transplantation. Ann Epidemiol 2005; 15: 558–563.
- 483. Gruber SA, Pescovitz MD, Simmons RL et al. Thromboembolic complications in renal allograft recipients. A report from the prospective randomized study of cyclosporine versus azathioprine-antilymphocyte globulin. Transplantation 1987; 44: 775–778.
- Romagnoli J, Citterio F, Violi P, et al. Post-transplant diabetes mellitus: Acase-control analysis of the risk factors. Transpl Int 2005; 18: 309–312.
- Shah T, Kasravi A, Huang E et al. Risk factors for development of new-onset diabetes mellitus after kidney transplantation. Transplantation 2006; 82: 1673–1676.
- Matas AJ, Kandaswamy R, Gillingham KJ et al. Prednisonefree maintenance immunosuppression-a 5-year experience. Am J Transplant 2005; 5: 2473–2478.
- 487. Johnston O, Rose CL, Webster AC et al. Sirolimus is associated with new-onset diabetes in kidney transplant recipients. J Am Soc Nephrol 2008; 19: 1411–1418.
- Burroughs TE, Swindle J, Takemoto S et al. Diabetic complications associated with new-onset diabetes mellitus in renal transplant recipients. Transplantation 2007; 83: 1027–1034.
- Ajabnoor MA, El-Naggar MM, Elayat AA et al. Functional and morphological study of cultured pancreatic islets treated with cyclosporine. Life Sci 2007; 80: 345–355.
- 490. Oetjen E, Baun D, Beimesche S et al. Inhibition of human insulin gene transcription by the immunosuppressive drugs cyclosporin A and tacrolimus in primary, mature islets of transgenic mice. Mol Pharmacol 2003; 63: 1289–1295.

- 491. Ueki M, Yasunami Y, Ina K et al. Diabetogenic effects of FK506 on renal subcapsular islet isografts in rat. Diabetes Res Clin Pract 1993; 20: 11–19.
- Hammond TG, Kind CN. Pancreatic and nephrotoxicity of immunomodulator compounds. Toxicol Lett 1995; 82-83: 99–105.
- Hernandez-Fisac I, Pizarro-Delgado J, Calle C et al. Tacrolimusinduced diabetes in rats courses with suppressed insulin gene expression in pancreatic islets. Am J Transplant 2007; 7: 2455– 2462.
- Oberholzer J, Thielke J, Hatipoglu B et al. Immediate conversion from tacrolimus to cyclosporine in the treatment of post-transplantation diabetes mellitus. Transplant Proc 2005; 37: 999–1000.
- 495. Bouchta NB, Ghisdal L, Abramowicz D et al. Conversion from tacrolimus to cyclosporin is associated with a significant improvement of glucose metabolism in patients with new-onset diabetes mellitus after renal transplantation. Transplant Proc 2005; 37: 1857–1860.
- 496. Teutonico A, Schena PF, Di Paolo S. Glucose metabolism in renal transplant recipients: Effect of calcineurin inhibitor withdrawal and conversion to sirolimus. J Am Soc Nephrol 2005; 16: 3128– 3135.
- 497. Romagnoli J, Citterio F, Nanni G et al. Incidence of posttransplant diabetes mellitus in kidney transplant recipients immunosuppressed with sirolimus in combination with cyclosporine. Transplant Proc 2006; 38: 1034–1036.
- 498. Kahan BD. Efficacy of sirolimus compared with azathioprine for reduction of acute renal allograft rejection: A randomised multicentre study. The Rapamune US Study Group. Lancet 2000; 356: 194–202.
- 499. Mendez R, Gonwa T, Yang HC et al. A prospective, randomized trial of tacrolimus in combination with sirolimus or mycophenolate mofetil in kidney transplantation: Results at 1 year. Transplantation 2005; 80: 303–309.
- 500. Gonwa T, Mendez R, Yang HC et al. Randomized trial of tacrolimus in combination with sirolimus or mycophenolate mofetil in kidney transplantation: Results at 6 months. Transplantation 2003; 75: 1213–1220.
- 501. Ciancio G, Burke GW, Gaynor JJ et al. A randomized long-term trial of tacrolimus/sirolimus versus tacrolimus/mycophenolate mofetil versus cyclosporine (NEORAL)/sirolimus in renal transplantation. II. Survival, function, and protocol compliance at 1 year. Transplantation 2004; 77: 252–258.
- 502. Anil Kumar MS, Heifets M, Fyfe B et al. Comparison of steroid avoidance in tacrolimus/mycophenolate mofetil and tacrolimus/sirolimus combination in kidney transplantation monitored by surveillance biopsy. Transplantation 2005; 80: 807–814.
- 503. Stern MP, Williams K, Haffner SM. Identification of persons at high risk for type 2 diabetes mellitus: Do we need the oral glucose tolerance test? Ann Intern Med 2002; 136: 575–581.
- 504. Kanaya AM, Wassel Fyr CL, de Rekeneire N et al. Predicting the development of diabetes in older adults: The derivation and validation of a prediction rule. Diabetes Care 2005; 28: 404–408.
- 505. Lyssenko V, Almgren P, Anevski D et al. Predictors of and longitudinal changes in insulin sensitivity and secretion preceding onset of type 2 diabetes. Diabetes 2005; 54: 166–174.
- Sheu WH, Chuang SY, Lee WJ et al. Predictors of incident diabetes, metabolic syndrome in middle-aged adults: A 10-year follow-up study from Kinmen, Taiwan. Diabetes Res Clin Pract 2006; 74: 162–168.
- 507. Lee AJ, Hiscock RJ, Wein P et al. Gestational diabetes mellitus: Clinical predictors and long-term risk of developing type 2 diabetes: A retrospective cohort study using survival analysis. Diabetes Care 2007; 30: 878–883.

- 508. Qaseem A, Vijan S, Snow V et al. Glycemic control and type 2 diabetes mellitus: The optimal hemoglobin A1c targets. A guidance statement from the American College of Physicians. Ann Intern Med 2007; 147: 417–422.
- 509. Intensive blood-glucose control with sulphonylureas or insulin compared with conventional treatment and risk of complications in patients with type 2 diabetes (UKPDS 33). UK Prospective Diabetes Study (UKPDS) Group. Lancet 1998; 352: 837–853.
- Effect of intensive diabetes management on macrovascular events and risk factors in the Diabetes Control and Complications Trial. Am J Cardiol 1995; 75: 894–903.
- 511. Nathan DM, Cleary PA, Backlund JY et al. Intensive diabetes treatment and cardiovascular disease in patients with type 1 diabetes. N Engl J Med 2005; 353: 2643–2653.
- Holman RR, Paul SK, Bethel MA et al. 10-year follow-up of intensive glucose control in type 2 diabetes. N Engl J Med 2008; 359: 1577–1589.
- Gerstein HC, Miller ME, Byington RP et al. Effects of intensive glucose lowering in type 2 diabetes. N Engl J Med 2008; 358: 2545–2559.
- Patel A, MacMahon S, Chalmers J et al. Intensive blood glucose control and vascular outcomes in patients with type 2 diabetes. N Engl J Med 2008; 358: 2560–2572.
- 515. Abraira C, Duckworth W, McCarren M et al. Design of the cooperative study on glycemic control and complications in diabetes mellitus type 2: Veterans Affairs Diabetes Trial. J Diabetes Complications 2003; 17: 314–322.
- 516. Barbosa J, Steffes MW, Sutherland DE et al. Effect of glycemic control on early diabetic renal lesions. A 5-year randomized controlled clinical trial of insulin-dependent diabetic kidney transplant recipients. JAMA 1994; 272: 600–606.
- 517. Harrower AD. Pharmacokinetics of oral antihyperglycaemic agents in patients with renal insufficiency. Clin Pharmacokinet 1996; 31: 111–119.
- Petitpierre B, Perrin L, Rudhardt M et al. Behaviour of chlorpropamide in renal insufficiency and under the effect of associated drug therapy. Int J Clin Pharmacol 1972; 6: 120– 124.
- 519. Ferner RE, Chaplin S. The relationship between the pharmacokinetics and pharmacodynamic effects of oral hypoglycaemic drugs. Clin Pharmacokinet 1987; 12: 379–401.
- Sheldon J, Anderson J, Stoner L. Serum concentration and urinary excretion of oral sulfonylurea compounds: Relation to diabetic control. Diabetes 1965; 14: 362–367.
- 521. Krepinsky J, Ingram AJ, Clase CM. Prolonged sulfonylureainduced hypoglycemia in diabetic patients with end-stage renal disease. Am J Kidney Dis 2000; 35: 500–505.
- 522. Wickersham RM, Novak KK, Schweain SL (eds). Drug facts and comparisons. Wolters Kluwer Health, Inc: St. Louis, MO, 2006.
- Charpentier G, Riveline JP, Varroud-Vial M. Management of drugs affecting blood glucose in diabetic patients with renal failure. Diabetes Metab 2000; 26(Suppl 4): 73–85.
- 524. Snyder RW, Berns JS. Use of insulin and oral hypoglycemic medications in patients with diabetes mellitus and advanced kidney disease. Semin Dial 2004; 17: 365–370.
- 525. Kajosaari LI, Niemi M, Neuvonen M et al. Cyclosporine markedly raises the plasma concentrations of repaglinide. Clin Pharmacol Ther 2005; 78: 388–399.
- 526. O'Neil MA, Smith A, Heckelman PE et al. (eds). Merck index. John Wiley & Sons: Hoboken, NJ, 2001. 2564 pp.
- 527. Sureshkumar KK, Mubin T, Mikhael N et al. Assessment of quality of life after simultaneous pancreas-kidney transplantation. Am J Kidney Dis 2002; 39: 1300–1306.

- Matas AJ, McHugh L, Payne WD et al. Long-term quality of life after kidney and simultaneous pancreas-kidney transplantation. Clin Transplant 1998; 12: 233–242.
- 529. Adang EM, Engel GL, van Hooff JP et al. Comparison before and after transplantation of pancreas-kidney and pancreas-kidney with loss of pancreas-a prospective controlled quality of life study. Transplantation 1996; 62: 754– 758.
- 530. Robertson P, Davis C, Larsen J et al. Pancreas transplantation in type 1 diabetes. Diabetes Care 2004; 27(Suppl 1): S105.
- Bromberg JS, Kaplan B, Halloran PF et al. The islet transplant experiment: Time for a reassessment. Am J Transplant 2007; 7: 2217–2218.
- Campbell PM, Senior PA, Salam A et al. High risk of sensitization after failed islet transplantation. Am J Transplant 2007; 7: 2311– 2317.
- 533. Standards of medical care in diabetes–2009. Diabetes Care 2009; 32(Suppl 1): S13–S61.
- 534. Belch J, MacCuish A, Campbell I et al. The prevention of progression of arterial disease and diabetes (POPADAD) trial: Factorial randomised placebo controlled trial of aspirin and antioxidants in patients with diabetes and asymptomatic peripheral arterial disease. BMJ 2008; 337: a1840.
- 535. Ogawa H, Nakayama M, Morimoto T et al. Low-dose aspirin for primary prevention of atherosclerotic events in patients with type 2 diabetes: A randomized controlled trial. JAMA 2008; 300: 2134–2141.
- Chobanian AV, Bakris GL, Black HR et al. The seventh report of the Joint National Committee on Prevention, Detection, Evaluation, and Treatment of High Blood Pressure: The JNC 7 report. JAMA 2003; 289: 2560–2572.
- Whitworth JA. 2003 World Health Organization (WHO)/ International Society of Hypertension (ISH) statement on management of hypertension. J Hypertens 2003; 21: 1983–1992.
- K/DOQI clinical practice guidelines on hypertension and antihypertensive agents in chronic kidney disease. Am J Kidney Dis 2004; 43: S1–290.
- The fourth report on the diagnosis, evaluation, and treatment of high blood pressure in children and adolescents. Pediatrics 2004; 114: 555–576.
- 540. Mancia G, De Backer G, Dominiczak A et al. 2007 Guidelines for the management of arterial hypertension: The Task Force for the Management of Arterial Hypertension of the European Society of Hypertension (ESH) and of the European Society of Cardiology (ESC). Eur Heart J 2007; 28: 1462–1536.
- Screening for high blood pressure: US Preventive Services Task Force reaffirmation recommendation statement. Ann Intern Med 2007; 147: 783–786.
- 542. Kasiske BL, Anjum S, Shah R et al. Hypertension after kidney transplantation. Am J Kidney Dis 2004; 43: 1071– 1081.
- 543. Opelz G, Zeier M, Laux G et al. No improvement of patient or graft survival in transplant recipients treated with angiotensinconverting enzyme inhibitors or angiotensin II type 1 receptor blockers: A collaborative transplant study report. J Am Soc Nephrol 2006; 17: 3257–3262.
- Opelz G, Dohler B. Improved long-term outcomes after renal transplantation associated with blood pressure control. Am J Transplant 2005; 5: 2725–2731.
- 545. Opelz G, Wujciak T, Ritz E. Association of chronic kidney graft failure with recipient blood pressure. Collaborative Transplant Study. Kidney Int 1998; 53: 217–222.
- 546. Mange KC, Cizman B, Joffe M et al. Arterial hypertension and renal allograft survival. JAMA 2000; 283: 633–638.

- 547. Mange KC, Feldman HI, Joffe MM et al. Blood pressure and the survival of renal allografts from living donors. J Am Soc Nephrol 2004; 15: 187–193.
- Marques M, Prats D, Sanchez-Fuctuoso A et al. Incidence of renal artery stenosis in pediatric en bloc and adult single kidney transplants. Transplantation 2001; 71: 164–166.
- 549. Patel NH, Jindal RM, Wilkin T et al. Renal arterial stenosis in renal allografts: Retrospective study of predisposing factors and outcome after percutaneous transluminal angioplasty. Radiology 2001; 219: 663–667.
- 550. Polak WG, Jezior D, Garcarek J et al. Incidence and outcome of transplant renal artery stenosis: Single center experience. Transplant Proc 2006; 38: 131–132.
- Rengel M, Gomes-Da-Silva G, Inchaustegui L et al. Renal artery stenosis after kidney transplantation: Diagnostic and therapeutic approach. Kidney Int 1998; (Suppl 68): S99–S106.
- 552. Voiculescu A, Schmitz M, Hollenbeck M et al. Management of arterial stenosis affecting kidney graft perfusion: A singlecentre study in 53 patients. Am J Transplant 2005; 5: 1731– 1738.
- 553. Wong W, Fynn SP, Higgins RM et al. Transplant renal artery stenosis in 77 patients-does it have an immunological cause? Transplantation 1996; 61: 215–219.
- 554. Curtis JJ, Luke RG, Diethelm AG et al. Benefits of removal of native kidneys in hypertension after renal transplantation. Lancet 1985; 2: 739–742.
- 555. Fricke L, Doehn C, Steinhoff J et al. Treatment of posttransplant hypertension by laparoscopic bilateral nephrectomy? Transplantation 1998; 65: 1182–1187.
- Fornara P, Doehn C, Fricke L et al. Laparoscopic bilateral nephrectomy: Results in 11 renal transplant patients. J Urol 1997; 157: 445–449.
- 557. Hiremath S, Fergusson D, Doucette S et al. Renin angiotensin system blockade in kidney transplantation: A systematic review of the evidence. Am J Transplant 2007; 7: 2350–2360.
- 558. Vlahakos DV, Canzanello VJ, Madaio MP et al. Enalaprilassociated anemia in renal transplant recipients treated for hypertension. Am J Kidney Dis 1991; 17: 199–205.
- 559. Gossmann J, Kachel HG, Schoeppe W et al. Anemia in renal transplant recipients caused by concomitant therapy with aza-thioprine and angiotensin-converting enzyme inhibitors. Transplantation 1993; 56: 585–589.
- 560. Stigant CE, Cohen J, Vivera M et al. ACE inhibitors and angiotensin II antagonists in renal transplantation: An analysis of safety and efficacy. Am J Kidney Dis 2000; 35: 58–63.
- 561. Paoletti E, Cassottana P, Amidone M et al. ACE inhibitors and persistent left ventricular hypertrophy after renal transplantation: A randomized clinical trial. Am J Kidney Dis 2007; 50: 133– 142.
- Curtis JJ, Luke RG, Jones P et al. Hypertension in cyclosporinetreated renal transplant recipients is sodium dependent. Am J Med 1988; 85: 134–138.
- 563. Knauf H, Cawello W, Schmidt G et al. The saluretic effect of the thiazide diuretic bemetizide in relation to the glomerular filtration rate. Eur J Clin Pharmacol 1994; 46: 9–13.
- Knauf H, Mutschler E. Diuretic effectiveness of hydrochlorothiazide and furosemide alone and in combination in chronic renal failure. J Cardiovasc Pharmacol 1995; 26: 394–400.
- 565. Dussol B, Moussi-Frances J, Morange S et al. A randomized trial of furosemide vs hydrochlorothiazide in patients with chronic renal failure and hypertension. Nephrol Dial Transplant 2005; 20: 349–353.
- 566. Kasiske B, Cosio FG, Beto J et al. Clinical practice guidelines for managing dyslipidemias in kidney transplant patients: A report

from the Managing Dyslipidemias in Chronic Kidney Disease Work Group of the National Kidney Foundation Kidney Disease Outcomes Quality Initiative. Am J Transplant 2004; 4(Suppl 7): 13–53.

- Holdaas H, Fellstrom B, Jardine AG et al. Effect of fluvastatin on cardiac outcomes in renal transplant recipients: A multicentre, randomised, placebo-controlled trial. Lancet 2003; 361: 2024– 2031.
- 568. Holdaas H, Fellstrom B, Cole E et al. Long-term cardiac outcomes in renal transplant recipients receiving fluvastatin: The ALERT extension study. Am J Transplant 2005; 5: 2929–2936.
- 569. Executive summary of the third report of the National Cholesterol Education Program (NCEP) Expert Panel on Detection, Evaluation, And Treatment of High Blood Cholesterol In Adults (Adult Treatment Panel III). JAMA 2001; 285: 2486–2497.
- 570. Screening for lipid disorders in children: US Preventive Services Task Force recommendation statement. Pediatrics 2007; 120: e215–219.
- 571. Cleeman JI, Grundy SM. National Cholesterol Education Program recommendations for cholesterol testing in young adults. A science-based approach. Circulation 1997; 95: 1646–1650.
- 572. Raw M, Anderson P, Batra A et al. WHO Europe evidence based recommendations on the treatment of tobacco dependence. Tob Control 2002; 11: 44–46.
- 573. Counseling to prevent tobacco use and tobacco-caused disease. In, Rockville, MD, US Preventive Services Task Force. Agency for Healthcare Research and Quality 2003, pp 1–5
- 574. VA/DoD clinical practice guideline for the management of tobacco use. Dept. of Veteran Affairs. In, Washington, DC, 2004, p 81
- 575. Ranney L, Melvin C, Lux L et al. Tobacco use: Prevention, cessation, and control. Evidence Report/Technology Assessment No. 140. (Prepared by the RTI International–University of North Carolina Evidence-Based Practice Center under Contract No. 290–02-0016). AHRQ Publication No. 06-E015. In, Rockville, MD, US Preventive Services Task Force, Agency for Healthcare Research and Quality (AHRQ), 2006.
- 576. Fiore MC, Jaen CR, Baker TB et al. Clinical practice guideline: Treating tobacco use and dependence: 2008 update. U.S. Department of Health and Human Services, Public Health Service, May 2008. In, Washington, DC, US Department of Health and Human Services. Public Health Service, 2008.
- 577. Brief interventions and referral for smoking cessation in primary care and other settings. Public Health Interventions Advisory Committee (PHIAC). Public Health Intervention Guidance no. 1. March, 2006. NHS National Institute for Health and Clinical Excellence (NICE). In, London, England, UK, 2006.
- 578. Counseling and interventions to prevent tobacco use and tobacco-caused disease in adults and pregnant women: U.S. Preventive Services Task Force reaffirmation recommendation statement. Ann Intern Med 2009; 150: 551–555.
- 579. Teo KK, Ounpuu S, Hawken S et al. Tobacco use and risk of myocardial infarction in 52 countries in the INTERHEART study: A case-control study. Lancet 2006; 368: 647–658.
- Ranney L, Melvin C, Lux L et al. Systematic review: Smoking cessation intervention strategies for adults and adults in special populations. Ann Intern Med 2006; 145: 845–856.
- Wu P, Wilson K, Dimoulas P et al. Effectiveness of smoking cessation therapies: A systematic review and meta-analysis. BMC Public Health 2006; 6: 300.
- 582. Moore D, Aveyard P, Connock M et al. Effectiveness and safety of nicotine replacement therapy assisted reduction to stop smoking: Systematic review and meta-analysis. BMJ 2009; 338: b1024.

- 583. Anthonisen NR, Skeans MA, Wise RA et al. The effects of a smoking cessation intervention on 14.5-year mortality: A randomized clinical trial. Ann Intern Med 2005; 142: 233– 239.
- Mohiuddin SM, Mooss AN, Hunter CB et al. Intensive smoking cessation intervention reduces mortality in high-risk smokers with cardiovascular disease. Chest 2007; 131: 446–452.
- 585. Lewis BR, Aoun SL, Bernstein GA et al. Pharmacokinetic interactions between cyclosporine and bupropion or methylphenidate. J Child Adolesc Psychopharmacol 2001; 11: 193–198.
- Cosio FG, Falkenhain ME, Pesavento TE et al. Patient survival after renal transplantation: II. The impact of smoking. Clin Transplant 1999; 13: 336–341.
- 587. Kasiske BL, Chakkera H. Successful renal transplantation in American Indians. Transplantation 1998; 66: 209–214.
- Kasiske BL, Klinger D. Cigarette smoking in renal transplant recipients. J Am Soc Nephrol 2000; 11: 753–759.
- Nguyen PT, Galanti L, Pirson Y et al. Identification of current smokers among renal transplant recipients. Nephrol Dial Transplant 2007; 22: 1974–1978.
- 590. National Heart, Lung, and Blood Institute. The practical guide: Identification, evaluation, and treatment of overweight and obesity in adults. U.S. Department of Health and Human Services Public Health Service, National Institutes of Health. In, Bethesda, MD, NIH, 2000.
- 591. US Preventive Services Task Force. Screening and interventions for overweight in children and adolescents: Recommendation statement. Pediatrics 2005; 116: 205–209.
- 592. Eckel RH, Krauss RM. American Heart Association call to action: Obesity as a major risk factor for coronary heart disease. AHA Nutrition Committee. Circulation 1998; 97: 2099–2100.
- 593. Screening for obesity in adults: Recommendations and rationale. Ann Intern Med 2003; 139: 930–932.
- 594. Klein S, Burke LE, Bray GA et al. Clinical implications of obesity with specific focus on cardiovascular disease: A statement for professionals from the American Heart Association Council on Nutrition, Physical Activity, and Metabolism: Endorsed by the American College of Cardiology Foundation. Circulation 2004; 110: 2952–2967.
- 595. Daniels SR, Arnett DK, Eckel RH et al. Overweight in children and adolescents: Pathophysiology, consequences, prevention, and treatment. Circulation 2005; 111: 1999–2012.
- 596. VA/DoD clinical practice guideline for screening and management of overweight and obesity. Management of Overweight and Obesity Working Group. In, Washington, DC, Department of Veterans Affairs, Department of Defense, 2006, p 117.
- 597. Obesity: The prevention, identification, assessment and management of overweight and obesity in adults and children. National Collaborating Centre for Primary Care and the Centre for Public Health Excellence at NICE (NHS National Institute for Health and Clinical Excellence, UK). In, London, England, UK, National Collaborating Centre for Primary Care and the Centre for Public Health Excellence at NICE (NHS National Institute for Health and Clinical Excellence, UK). 2006.
- Marterre WF, Hariharan S, First MR et al. Gastric bypass in morbidly obese kidney transplant recipients. Clin Transplant 1996; 10: 414–419.
- 599. Alexander JW, Goodman HR, Gersin K et al. Gastric bypass in morbidly obese patients with chronic renal failure and kidney transplant. Transplantation 2004; 78: 469–474.
- Alexander JW, Goodman H. Gastric bypass in chronic renal failure and renal transplant. Nutr Clin Pract 2007; 22: 16–21.
- 601. Patel MG. The effect of dietary intervention on weight gains after renal transplantation. J Ren Nutr 1998; 8: 137–141.

- Lopes IM, Martin M, Errasti P et al. Benefits of a dietary intervention on weight loss, body composition, and lipid profile after renal transplantation. Nutrition 1999; 15: 7–10.
- 603. Painter PL, Hector L, Ray K et al. Effects of exercise training on coronary heart disease risk factors in renal transplant recipients. Am J Kidney Dis 2003; 42: 362–369.
- Li Z, Maglione M, Tu W et al. Meta-analysis: Pharmacologic treatment of obesity. Ann Intern Med 2005; 142: 532– 546.
- 605. Nissen SE, Nicholls SJ, Wolski K et al. Effect of rimonabant on progression of atherosclerosis in patients with abdominal obesity and coronary artery disease: The STRADIVARIUS randomized controlled trial. JAMA 2008; 299: 1547–1560.
- Christensen R, Kristensen PK, Bartels EM et al. Efficacy and safety of the weight-loss drug rimonabant: A meta-analysis of randomised trials. Lancet 2007; 370: 1706–1713.
- 607. Barbaro D, Orsini P, Pallini S et al. Obesity in transplant patients: Case report showing interference of orlistat with absorption of cyclosporine and review of literature. Endocr Pract 2002; 8: 124– 126.
- Errasti P, Garcia I, Lavilla J et al. Reduction in blood cyclosporine concentration by orlistat in two renal transplant patients. Transplant Proc 2002; 34: 137–139.
- Evans S, Michael R, Wells H et al. Drug interaction in a renal transplant patient: Cyclosporin-neoral and orlistat. Am J Kidney Dis 2003; 41: 493–496.
- Buchwald H, Avidor Y, Braunwald E et al. Bariatric surgery: A systematic review and meta-analysis. JAMA 2004; 292: 1724– 1737.
- Maggard MA, Shugarman LR, Suttorp M et al. Meta-analysis: Surgical treatment of obesity. Ann Intern Med 2005; 142: 547– 559.
- Sjostrom L, Narbro K, Sjostrom CD et al. Effects of bariatric surgery on mortality in Swedish obese subjects. N Engl J Med 2007; 357: 741–752.
- Adams TD, Gress RE, Smith SC et al. Long-term mortality after gastric bypass surgery. N Engl J Med 2007; 357: 753–761.
- Buch KE, El-Sabrout R, Butt KM. Complications of laparoscopic gastric banding in renal transplant recipients: A case study. Transplant Proc 2006; 38: 3109–3111.
- 615. Patrono C, Bachmann F, Baigent C et al. Expert consensus document on the use of antiplatelet agents. The task force on the use of antiplatelet agents in patients with atherosclerotic cardiovascular disease of the European society of cardiology. Eur Heart J 2004; 25: 166–181.
- 616. Smith SC, Jr., Allen J, Blair SN et al. AHA/ACC guidelines for secondary prevention for patients with coronary and other atherosclerotic vascular disease: 2006 update: Endorsed by the National Heart, Lung, and Blood Institute. Circulation 2006; 113: 2363–2372.
- Mosca L, Banka CL, Benjamin EJ et al. Evidence-based guidelines for cardiovascular disease prevention in women: 2007 update. Circulation 2007; 115: 1481–1501.
- Irish A. Hypercoagulability in renal transplant recipients. Identifying patients at risk of renal allograft thrombosis and evaluating strategies for prevention. Am J Cardiovasc Drugs 2004; 4: 139– 149.
- Grotz W, Siebig S, Olschewski M et al. Low-dose aspirin therapy is associated with improved allograft function and prolonged allograft survival after kidney transplantation. Transplantation 2004; 77: 1848–1853.
- Kasiske BL, Snyder JJ, Gilbertson DT et al. Cancer after kidney transplantation in the United States. Am J Transplant 2004; 4: 905–913.

- Vajdic CM, McDonald SP, McCredie MR et al. Cancer incidence before and after kidney transplantation. JAMA 2006; 296: 2823– 2831.
- 622. GLOBOCAN 2002. In, International Agency for Research on Cancer, Cancer Mondial, 2002.
- 623. Grulich AE, van Leeuwen MT, Falster MO et al. Incidence of cancers in people with HIV/AIDS compared with immunosuppressed transplant recipients: A meta-analysis. Lancet 2007; 370: 59–67.
- 624. United States Cancer Statistics: 1999–2005 incidence and mortality web-based report. U.S. Cancer Statistics Working Group, U.S. Department of Health and Human Services, Centers for Disease Control and Prevention and National Cancer Institute. In (vol 2009), Atlanta, GA, U.S. Cancer Statistics Working Group, U.S. Department of Health and Human Services, Centers for Disease Control and Prevention and National Cancer Institute, 2009.
- 625. Webster AC, Craig JC, Simpson JM et al. Identifying high risk groups and quantifying absolute risk of cancer after kidney transplantation: A cohort study of 15,183 recipients. Am J Transplant 2007; 7: 2140–2151.
- 626. Carroll RP, Ramsay HM, Fryer AA et al. Incidence and prediction of nonmelanoma skin cancer post-renal transplantation: A prospective study in Queensland, Australia. Am J Kidney Dis 2003; 41: 676–683.
- Kasiske BL, Vazquez MA, Harmon WE et al. Recommendations for the outpatient surveillance of renal transplant recipients. American Society of Transplantation. J Am Soc Nephrol 2000; 11(Suppl 15): S1–86.
- Helfand M, Krages KP: Counseling to prevent skin cancer: A summary of the evidence. In, US Preventive Services Task Force, Agency for Healthcare Research and Quality (AHRQ), 2003, p 253
- Saraiya M, Glanz K, Briss PA et al. Interventions to prevent skin cancer by reducing exposure to ultraviolet radiation: A systematic review. Am J Prev Med 2004; 27: 422–466.
- 630. Green A, Williams G, Neale R et al. Daily sunscreen application and betacarotene supplementation in prevention of basal-cell and squamous-cell carcinomas of the skin: A randomised controlled trial. Lancet 1999; 354: 723–729.
- 631. Lamberg L. Dermatologists call for massive cover-up. JAMA 1998; 279: 1426–1427.
- Berwick M, Begg CB, Fine JA et al. Screening for cutaneous melanoma by skin self-examination. J Natl Cancer Inst 1996; 88: 17–23.
- 633. European best practice guidelines for renal transplantation. Section IV: Long-term management of the transplant recipient. IV.6.2. Cancer risk after renal transplantation. Skin cancers: Prevention and treatment. Nephrol Dial Transplant 2002; 17(Suppl 4): 31–36.
- Burton RC, Howe C, Adamson L et al. General practitioner screening for melanoma: Sensitivity, specificity, and effect of training. J Med Screen 1998; 5: 156–161.
- U.S. Preventive Services Task Force. Screening for skin cancer: Recommendations and rationale. Am J Nurs 2002; 102: 97, 99, 101; discussion 103.
- 636. Hill L, Ferrini RL. Skin cancer prevention and screening: Summary of the American College of Preventive Medicine's practice policy statements. CA Cancer J Clin 1998; 48: 232–235.
- 637. Cowen EW, Billingsley EM. Awareness of skin cancer by kidney transplant patients. J Am Acad Dermatol 1999; 40: 697–701.
- Aitken JF, Youl PH, Janda M et al. Increase in skin cancer screening during a community-based randomized intervention trial. Int J Cancer 2006; 118: 1010–1016.

- 639. Federman DG, Concato J, Kirsner RS. Comparison of dermatologic diagnoses by primary care practitioners and dermatologists. A review of the literature. Arch Fam Med 1999; 8: 170–172.
- 640. Youl PH, Baade PD, Janda M et al. Diagnosing skin cancer in primary care: How do mainstream general practitioners compare with primary care skin cancer clinic doctors? Med J Aust 2007; 187: 215–220.
- 641. Marcil I, Stern RS. Risk of developing a subsequent nonmelanoma skin cancer in patients with a history of nonmelanoma skin cancer: A critical review of the literature and meta-analysis. Arch Dermatol 2000; 136: 1524–1530.
- 642. Chen K, Craig JC, Shumack S. Oral retinoids for the prevention of skin cancers in solid organ transplant recipients: A systematic review of randomized controlled trials. Br J Dermatol 2005; 152: 518–523.
- 643. Barratt A, Irwig L, Glasziou P et al. Users' guides to the medical literature: XVII. How to use guidelines and recommendations about screening. Evidence-Based Medicine Working Group. JAMA 1999; 281: 2029–2034.
- Walter LC, Covinsky KE. Cancer screening in elderly patients: A framework for individualized decision making. JAMA 2001; 285: 2750–2756.
- 645. Mandelblatt JS, Lawrence WF, Gaffikin L et al. Costs and benefits of different strategies to screen for cervical cancer in lessdeveloped countries. J Natl Cancer Inst 2002; 94: 1469–1483.
- 646. Ozsaran AA, Ates T, Dikmen Y et al. Evaluation of the risk of cervical intraepithelial neoplasia and human papilloma virus infection in renal transplant patients receiving immunosuppressive therapy. Eur J Gynaecol Oncol 1999; 20: 127–130.
- 647. Alloub MI, Barr BB, McLaren KM et al. Human papillomavirus infection and cervical intraepithelial neoplasia in women with renal allografts. BMJ 1989; 298: 153–156.
- 648. ACOG Practice Bulletin: Clinical management guidelines for obstetrician-gynecologists. Number 45, August 2003. Cervical cytology screening (replaces committee opinion 152, March 1995). Obstet Gynecol 2003; 102: 417–427.
- 649. Wong G, Howard K, Webster A et al. The health and economic impact of cervical cancer screening and human papillomavirus vaccination in kidney transplant recipients. Transplantation 2009; 87: 1078–1091.
- Agosti JM, Goldie SJ. Introducing HPV vaccine in developing countries–key challenges and issues. N Engl J Med 2007; 356: 1908–1910.
- Kim JJ, Goldie SJ. Health and economic implications of HPV vaccination in the United States. N Engl J Med 2008; 359: 821– 832.
- 652. Roberts MM, Alexander FE, Anderson TJ et al. Edinburgh trial of screening for breast cancer: Mortality at seven years. Lancet 1990; 335: 241–246.
- 653. Gotzsche PC, Nielsen M. Screening for breast cancer with mammography. Cochrane Database Syst Rev 2006: CD001877.
- Kiberd BA, Keough-Ryan T, Clase CM. Screening for prostate, breast and colorectal cancer in renal transplant recipients. Am J Transplant 2003; 3: 619–625.
- 655. Kewenter J, Bjork S, Haglind E et al. Screening and rescreening for colorectal cancer. A controlled trial of fecal occult blood testing in 27,700 subjects. Cancer 1988; 62: 645–651.
- 656. Kronborg O, Fenger C, Olsen J et al. Randomised study of screening for colorectal cancer with faecal-occult-blood test. Lancet 1996; 348: 1467–1471.
- 657. Australian Cancer Network Colorectal Cancer Guidelines Revision Committee. Guidelines for the prevention, early detection and management of colorectal cancer. The Cancer Council Aus-

tralia and Australian Cancer Network, Sydney. Chapter 3: Population screening for colorectal cancer. In, Sydney, Australia, Australian Government National Health and Medical Research Council, 2005, pp. 32–45.

- 658. Hardcastle JD, Chamberlain JO, Robinson MH et al. Randomised controlled trial of faecal-occult-blood screening for colorectal cancer. Lancet 1996; 348: 1472–1477.
- Wong G, Howard K, Craig JC et al. Cost-effectiveness of colorectal cancer screening in renal transplant recipients. Transplantation 2008; 85: 532–541.
- Ryder SD. Guidelines for the diagnosis and treatment of hepatocellular carcinoma (HCC) in adults. Gut 2003; 52(Suppl 3): iii1–8.
- 661. McMahon BJ, London T. Workshop on screening for hepatocellular carcinoma. J Natl Cancer Inst 1991; 83: 916–919.
- 662. Nguyen MH, Keeffe EB. Screening for hepatocellular carcinoma. J Clin Gastroenterol 2002; 35: S86–91.
- 663. Colli A, Fraquelli M, Casazza G et al. Accuracy of ultrasonography, spiral CT, magnetic resonance, and alpha-fetoprotein in diagnosing hepatocellular carcinoma: A systematic review. Am J Gastroenterol 2006; 101: 513–523.
- 664. Chalasani N, Said A, Ness R et al. Screening for hepatocellular carcinoma in patients with cirrhosis in the United States: Results of a national survey. Am J Gastroenterol 1999; 94: 2224–2229.
- Davila JA, Weston A, Smalley W et al. Utilization of screening for hepatocellular carcinoma in the United States. J Clin Gastroenterol 2007; 41: 777–782.
- 666. Wolf DC. Screening for hepatocellular carcinoma: Is it costeffective? Liver Transpl 2003; 9: 682–683.
- 667. Zhang BH, Yang BH, Tang ZY. Randomized controlled trial of screening for hepatocellular carcinoma. J Cancer Res Clin Oncol 2004; 130: 417–422.
- Chen JG, Parkin DM, Chen QG et al. Screening for liver cancer: Results of a randomised controlled trial in Qidong, China. J Med Screen 2003; 10: 204–209.
- Lee WC, Shu KH, Cheng CH et al. Long-term impact of hepatitis B, C virus infection on renal transplantation. Am J Nephrol 2001; 21: 300–306.
- Goh ATH, Lu YM, Vathsala A. Immunosuppression is a risk factor for urinary tract cancers in renal transplant recipients. Transplantation 2008; 86 (Suppl 2S): 100.
- 671. Schwarz A, Vatandaslar S, Merkel S et al. Renal cell carcinoma in transplant recipients with acquired cystic kidney disease. Clin J Am Soc Nephrol 2007; 2: 750–756.
- Chiang YJ, Chu SH, Liu KL et al. Kidney ultrasound is useful tool in posttransplant follow-up. Transplant Proc 2006; 38: 2018–2019.
- 673. Sarasin FP, Wong JB, Levey AS et al. Screening for acquired cystic kidney disease: A decision analytic perspective. Kidney Int 1995; 48: 207–219.
- 674. European best practice guidelines for renal transplantation. Section IV: Long-term management of the transplant recipient. IV.6.1. Cancer risk after renal transplantation. Post-transplant lymphoproliferative disease (PTLD): Prevention and treatment. Nephrol Dial Transplant 2002; 17(Suppl 4): 31–33, 35–36.
- 675. Oberbauer R, Segoloni G, Campistol JM et al. Early cyclosporine withdrawal from a sirolimus-based regimen results in better renal allograft survival and renal function at 48 months after transplantation. Transpl Int 2005; 18: 22–28.
- 676. Van Leeuwen MT, Grulich A, Webster A et al. Currency of receipt of immunosuppressive agents and other risk factors for lip cancer following renal transplantation. Transplantation 2008; 86 (Suppl 2S): 101.
- 677. Van Leeuwen MT, Vajdic CM, Webster A et al. Risk for non-Hodgkin lymphoma following renal transplantation is associated

with currency of receipt of immunosuppression and reverts to normal on cessation. Transplantation 2008; 86 (Suppl 2S): 294.

- 678. Grulich A, McCredie MR, Van Leeuwen MT et al. Rates of human papillomavirus (HPV)-related cancers are increased in renal transplant recipients and return to low levels on cessation of immune suppression. Transplantation 2008; 86 (Suppl 2S): 295.
- Otley CC, Coldiron BM, Stasko T et al. Decreased skin cancer after cessation of therapy with transplant-associated immunosuppressants. Arch Dermatol 2001; 137: 459–463.
- Guba M, von Breitenbuch P, Steinbauer M et al. Rapamycin inhibits primary and metastatic tumor growth by antiangiogenesis: Involvement of vascular endothelial growth factor. Nat Med 2002; 8: 128–135.
- Swinnen LJ, LeBlanc M, Grogan TM et al. Prospective study of sequential reduction in immunosuppression, interferon alpha-2B, and chemotherapy for posttransplantation lymphoproliferative disorder. Transplantation 2008; 86: 215–222.
- Stallone G, Schena A, Infante B et al. Sirolimus for Kaposi's sarcoma in renal-transplant recipients. N Engl J Med 2005; 352: 1317–1323.
- Campistol JM, Schena FP. Kaposi's sarcoma in renal transplant recipients-the impact of proliferation signal inhibitors. Nephrol Dial Transplant 2007; 22(Suppl 1): i17–22.
- Duman S, Toz H, Asci G et al. Successful treatment of posttransplant Kaposi's sarcoma by reduction of immunosuppression. Nephrol Dial Transplant 2002; 17: 892–896.
- 684a. Kidney Disease: Improving Global Outcomes (KDIGO) CKD-MBD Work Group. KDIGO Clinical practice guideline for the diagnosis, evaluation, prevention, and treatment of chronic kidney disease-mineral and bone disorder (CKD-MBD). Kidney Int 2009; 76(Suppl 113): S1–S130.
- Julian BA, Laskow DA, Dubovsky J et al. Rapid loss of vertebral mineral density after renal transplantation. N Engl J Med 1991; 325: 544–550.
- Weisinger JR, Carlini RG, Rojas E et al. Bone disease after renal transplantation. Clin J Am Soc Nephrol 2006; 1: 1300–1313.
- Monier-Faugere MC, Mawad H, Qi Q et al. High prevalence of low bone turnover and occurrence of osteomalacia after kidney transplantation. J Am Soc Nephrol 2000; 11: 1093–1099.
- Moe SM, O'Neill KD, Reslerova M et al. Natural history of vascular calcification in dialysis and transplant patients. Nephrol Dial Transplant 2004; 19: 2387–2393.
- Egbuna OI, Taylor JG, Bushinsky DA et al. Elevated calcium phosphate product after renal transplantation is a risk factor for graft failure. Clin Transplant 2007; 21: 558–566.
- Stavroulopoulos A, Cassidy MJ, Porter CJ et al. Vitamin D status in renal transplant recipients. Am J Transplant 2007; 7: 2546– 2552.
- 691. Yakupoglu HY, Corsenca A, Wahl P et al. Posttransplant acidosis and associated disorders of mineral metabolism in patients with a renal graft. Transplantation 2007; 84: 1151–1157.
- 692. Schaeffner ES, Fodinger M, Kramar R et al. Prognostic associations of serum calcium, phosphate and calcium phosphate concentration product with outcomes in kidney transplant recipients. Transpl Int 2007; 20: 247–255.
- 693. Torres A, Rodriguez AP, Concepcion MT et al. Parathyroid function in long-term renal transplant patients: Importance of pretransplant PTH concentrations. Nephrol Dial Transplant 1998; 13(Suppl 3): 94–97.
- Schmid T, Muller P, Spelsberg F. Parathyroidectomy after renal transplantation: A retrospective analysis of long-term outcome. Nephrol Dial Transplant 1997; 12: 2393–2396.

- 695. Heaf J, Tvedegaard E, Kanstrup IL et al. Hyperparathyroidism and long-term bone loss after renal transplantation. Clin Transplant 2003; 17: 268–274.
- 696. Dumoulin G, Hory B, Nguyen NU et al. No trend toward a spontaneous improvement of hyperparathyroidism and high bone turnover in normocalcemic long-term renal transplant recipients. Am J Kidney Dis 1997; 29: 746–753.
- 697. Akaberi S, Simonsen O, Lindergard B et al. Can DXA predict fractures in renal transplant patients? Am J Transplant 2008; 8: 2647–2651.
- 698. De Sevaux RG, Hoitsma AJ, Corstens FH et al. Treatment with vitamin D and calcium reduces bone loss after renal transplantation: A randomized study. J Am Soc Nephrol 2002; 13: 1608– 1614.
- Torres A, Garcia S, Gomez A et al. Treatment with intermittent calcitriol and calcium reduces bone loss after renal transplantation. Kidney Int 2004; 65: 705–712.
- Josephson MA, Schumm LP, Chiu MY et al. Calcium and calcitriol prophylaxis attenuates posttransplant bone loss. Transplantation 2004; 78: 1233–1236.
- Coco M, Glicklich D, Faugere MC et al. Prevention of bone loss in renal transplant recipients: A prospective, randomized trial of intravenous pamidronate. J Am Soc Nephrol 2003; 14: 2669– 2676.
- Grotz W, Nagel C, Poeschel D et al. Effect of ibandronate on bone loss and renal function after kidney transplantation. J Am Soc Nephrol 2001; 12: 1530–1537.
- Cueto-Manzano AM, Konel S, Freemont AJ et al. Effect of 1,25dihydroxyvitamin D3 and calcium carbonate on bone loss associated with long-term renal transplantation. Am J Kidney Dis 2000; 35: 227–236.
- 704. Jeffery JR, Leslie WD, Karpinski ME et al. Prevalence and treatment of decreased bone density in renal transplant recipients: A randomized prospective trial of calcitriol versus alendronate. Transplantation 2003; 76: 1498–1502.
- El-Husseini AA, El-Agroudy AE, El-Sayed MF et al. Treatment of osteopenia and osteoporosis in renal transplant children and adolescents. Pediatr Transplant 2004; 8: 357–361.
- 706. El-Husseini AA, El-Agroudy AE, El-Sayed M et al. A prospective randomized study for the treatment of bone loss with vitamin d during kidney transplantation in children and adolescents. Am J Transplant 2004; 4: 2052–2057.
- National Kidney Foundation. KDOQI clinical practice guidelines and clinical practice recommendations for anemia in chronic kidney disease. Am J Kidney Dis 2006; 47: S1–146.
- European best practice guidelines for renal transplantation. Section IV: Long-term management of the transplant recipient. IV.9.2. Haematological complications. Leukopenia. Nephrol Dial Transplant 2002; 17(Suppl 4): 49.
- 709. Gaston RS, Julian BA, Curtis JJ. Posttransplant erythrocytosis: An enigma revisited. Am J Kidney Dis 1994; 24: 1–11.
- Vlahakos DV, Marathias KP, Agroyannis B et al. Posttransplant erythrocytosis. Kidney Int 2003; 63: 1187–1194.
- 711. Van Loo A, Vanholder R, Bernaert P et al. Recombinant human erythropoietin corrects anaemia during the first weeks after renal transplantation: A randomized prospective study. Nephrol Dial Transplant 1996; 11: 1815–1821.
- Chadban SJ, Baines L, Polkinghorne K et al. Anemia after kidney transplantation is not completely explained by reduced kidney function. Am J Kidney Dis 2007; 49: 301–309.
- Moore LW, Smith SO, Winsett RP et al. Factors affecting erythropoietin production and correction of anemia in kidney transplant recipients. Clin Transplant 1994; 8: 358–364.

- 714. A randomized clinical trial of cyclosporine in cadaveric renal transplantation. N Engl J Med 1983; 309: 809–815.
- Cyclosporin in cadaveric renal transplantation: One-year followup of a multicentre trial. Lancet 1983; 2: 986–989.
- Vanrenterghem Y, Ponticelli C, Morales JM et al. Prevalence and management of anemia in renal transplant recipients: A European survey. Am J Transplant 2003; 3: 835–845.
- Pruijt JF, Haanen JB, Hollander AA et al. Azathioprine-induced pure red-cell aplasia. Nephrol Dial Transplant 1996; 11: 1371– 1373.
- Placebo-controlled study of mycophenolate mofetil combined with cyclosporin and corticosteroids for prevention of acute rejection. European Mycophenolate Mofetil Cooperative Study Group. Lancet 1995; 345: 1321–1325.
- Engelen W, Verpooten GA, Van der Planken M et al. Four cases of red blood cell aplasia in association with the use of mycophenolate mofetil in renal transplant patients. Clin Nephrol 2003; 60: 119–124.
- Faguer S, Hirsch HH, Kamar N et al. Leflunomide treatment for polyomavirus BK-associated nephropathy after kidney transplantation. Transpl Int 2007; 20: 962–969.
- Further Structure Struc
- Chiurchiu C, Ruggenenti P, Remuzzi G. Thrombotic microangiopathy in renal transplantation. Ann Transplant 2002; 7: 28–33.
- Ponticelli C. De novo thrombotic microangiopathy. An underrated complication of renal transplantation. Clin Nephrol 2007; 67: 335–340.
- 724. Paya C, Humar A, Dominguez E et al. Efficacy and safety of valganciclovir vs. oral ganciclovir for prevention of cytomegalovirus disease in solid organ transplant recipients. Am J Transplant 2004; 4: 611–620.
- Andres E, Noel E, Maloisel F. Trimethoprim-sulfamethoxazoleinduced life-threatening agranulocytosis. Arch Intern Med 2003; 163: 1975–1976.
- 726. Mitsuhata N, Fujita R, Ito S et al. Delayed-onset neutropenia in a patient receiving rituximab as treatment for refractory kidney transplantation. Transplantation 2005; 80: 1355.
- Donadio C, Lucchesi A. Neutropenia after treatment of posttransplantation erythrocytosis with enalapril. Transplantation 2001; 72: 553–554.
- Andersohn F, Konzen C, Garbe E. Systematic review: Agranulocytosis induced by nonchemotherapy drugs. Ann Intern Med 2007; 146: 657–665.
- Mathew TH. A blinded, long-term, randomized multicenter study of mycophenolate mofetil in cadaveric renal transplantation: Results at three years. Tricontinental Mycophenolate Mofetil Renal Transplantation Study Group. Transplantation 1998; 65: 1450– 1454.
- Mackie F, Verran D, Horvath J et al. Severe thrombocytopenia with OKT3 use for steroid-resistant rejection in a cadaveric renal transplant recipient. Nephrol Dial Transplant 1996; 11: 2378.
- Evens AM, Kwaan HC, Kaufman DB et al. TTP/HUS occurring in a simultaneous pancreas/kidney transplant recipient after clopidogrel treatment: Evidence of a nonimmunological etiology. Transplantation 2002; 74: 885–887.
- Anderegg BA, Baillie GM, Lin A et al. Heparin-induced thrombocytopenia in a renal transplant recipient. Am J Transplant 2005; 5: 1537–1540.
- 733. Imoagene-Oyedeji AE, Rosas SE, Doyle AM et al. Posttransplantation anemia at 12 months in kidney recipients treated with

mycophenolate mofetil: Risk factors and implications for mortality. J Am Soc Nephrol 2006; 17: 3240–3247.

- Molnar MZ, Czira M, Ambrus C et al. Anemia is associated with mortality in kidney-transplanted patients–a prospective cohort study. Am J Transplant 2007; 7: 818–824.
- Winkelmayer WC, Chandraker A, Alan Brookhart M et al. A prospective study of anaemia and long-term outcomes in kidney transplant recipients. Nephrol Dial Transplant 2006; 21: 3559– 3566.
- Van Biesen W, Vanholder R, Veys N et al. Efficacy of erythropoietin administration in the treatment of anemia immediately after renal transplantation. Transplantation 2005; 79: 367–368.
- Linde T, Ekberg H, Forslund T et al. The use of pretransplant erythropoietin to normalize hemoglobin levels has no deleterious effects on renal transplantation outcome. Transplantation 2001; 71: 79–82.
- 738. European best practice guidelines for the management of anaemia in patients with chronic renal failure. Working Party for European Best Practice Guidelines for the Management of Anaemia in Patients with Chronic Renal Failure. Nephrol Dial Transplant 1999; 14(Suppl 5): 1–50.
- Ojo AO, Hanson JA, Wolfe RA et al. Long-term survival in renal transplant recipients with graft function. Kidney Int 2000; 57: 307–313.
- 740. Ozer H, Armitage JO, Bennett CL et al. 2000 update of recommendations for the use of hematopoietic colony-stimulating factors: Evidence-based, clinical practice guidelines. American Society of Clinical Oncology Growth Factors Expert Panel. J Clin Oncol 2000; 18: 3558–3585.
- 741. MacDonald AS. A worldwide, phase III, randomized, controlled, safety and efficacy study of a sirolimus/cyclosporine regimen for prevention of acute rejection in recipients of primary mismatched renal allografts. Transplantation 2001; 71: 271–280.
- Lowance D, Neumayer HH, Legendre CM et al. Valacyclovir for the prevention of cytomegalovirus disease after renal transplantation. International Valacyclovir Cytomegalovirus Prophylaxis Transplantation Study Group. N Engl J Med 1999; 340: 1462–1470.
- Royer B, Zanetta G, Berard M et al. A neutropenia suggesting an interaction between valacyclovir and mycophenolate mofetil. Clin Transplant 2003; 17: 158–161.
- 744. Maki DG, Fox BC, Kuntz J et al. A prospective, randomized, double-blind study of trimethoprim-sulfamethoxazole for prophylaxis of infection in renal transplantation. Side effects of trimethoprim-sulfamethoxazole, interaction with cyclosporine. J Lab Clin Med 1992; 119: 11–24.
- 745. Tolkoff-Rubin NE, Cosimi AB, Russell PS, et al. A controlled study of trimethoprim-sulfamethoxazole prophylaxis of urinary tract infection in renal transplant recipients. Rev Infect Dis 1982; 4: 614–618.
- 746. Imrie KR, Prince HM, Couture F et al. Effect of antimicrobial prophylaxis on hematopoietic recovery following autologous bone marrow transplantation: Ciprofloxacin versus co-trimoxazole. Bone Marrow Transplant 1995; 15: 267–270.
- Razeghi E, Hadadi A, Mansor-Kiaei M et al. Clinical manifestation, laboratory findings, and the response of treatment in kidney transplant recipients with CMV infection. Transplant Proc 2007; 39: 993–996.
- Fid AJ, Brown RA, Patel R et al. Parvovirus B19 infection after transplantation: A review of 98 cases. Clin Infect Dis 2006; 43: 40–48.
- 749. Nuesch R, Cynke E, Jost MC et al. Thrombocytopenia after kidney transplantation. Am J Kidney Dis 2000; 35: 537–538.

- Schaub S, Dickenmann M, Cynke E et al. Prednisone-induced neutropenia after cadaveric kidney transplantation. Nephrol Dial Transplant 2002; 17: 1119–1121.
- Waldman M, Kopp JB. Parvovirus-B19-associated complications in renal transplant recipients. Nat Clin Pract Nephrol 2007; 3: 540–550.
- 752. Murer L, Zacchello G, Bianchi D et al. Thrombotic microangiopathy associated with parvovirus B 19 infection after renal transplantation. J Am Soc Nephrol 2000; 11: 1132–1137.
- Venkat Raman G, Sharman VL, Lee HA. Azathioprine and allopurinol: A potentially dangerous combination. J Intern Med 1990; 228: 69–71.
- West KA, Anderson DR, McAlister VC et al. Alloimmune thrombocytopenia after organ transplantation. N Engl J Med 1999; 341: 1504–1507.
- 755. Bennett WM, Hansen KS, Houghton DC et al. Disseminated intravascular coagulation (DIC) in a kidney donor associated with transient recipient DIC. Am J Transplant 2005; 5: 412–414.
- Moghal NE, Milford DV, Darbyshire P. Treatment of neutropenia in a renal transplant recipient with granulocyte colony-stimulating factor. Pediatr Nephrol 1998; 12: 14–15.
- 757. Peddi VR, Hariharan S, Schroeder TJ et al. Role of granulocyte colony stimulating factor (G-CSF) in reversing neutropenia in renal allograft recipients. Clin Transplant 1996; 10: 20–23.
- Minguez C, Mazuecos A, Ceballos M et al. Worsening of renal function in a renal transplant patient treated with granulocyte colony-stimulating factor. Nephrol Dial Transplant 1995; 10: 2166–2167.
- European best practice guidelines for renal transplantation. Section IV: Long-term management of the transplant recipient. IV.9.3. Haematological complications. Nephrol Dial Transplant 2002; 17 (Suppl 4): 48–50.
- Schiffer CA, Anderson KC, Bennett CL et al. Platelet transfusion for patients with cancer: Clinical practice guidelines of the American Society of Clinical Oncology. J Clin Oncol 2001; 19: 1519–1538.
- Akcay A, Kanbay M, Huddam B et al. Relationship of posttransplantation erythrocytosis to hypercalcemia in renal transplant recipients. Transplant Proc 2005; 37: 3103–3105.
- Finollahi B, Lessan-Pezeshki M, Nafar M et al. Erythrocytosis after renal transplantation: Review of 101 cases. Transplant Proc 2005; 37: 3101–3102.
- Kurella M, Butterly DW, Smith SR. Post transplant erythrocytosis in hypercalcemic renal transplant recipients. Am J Transplant 2003; 3: 873–877.
- Singh V, Sud K, Mittal BR et al. Postrenal transplant erythrocytosis: Risk factors and effectiveness of angiotensin receptor antagonists. Transplant Proc 2002; 34: 3191–3192.
- 765. Esposito R, Giammarino A, De Blasio A et al. Ramipril in postrenal transplant erythrocytosis. J Nephrol 2007; 20: 57–62.
- Besarab A, Caro J, Jarrell BE et al. Dynamics of erythropoiesis following renal transplantation. Kidney Int 1987; 32: 526–536.
- Wickre CG, Norman DJ, Bennison A et al. Postrenal transplant erythrocytosis: A review of 53 patients. Kidney Int 1983; 23: 731–737.
- Sumrani NB, Daskalakis P, Miles AM et al. Erythrocytosis after renal transplantation. A prospective analysis. ASAIO J 1993; 39: 51–55.
- Kessler M, Hestin D, Mayeux D et al. Factors predisposing to post-renal transplant erythrocytosis. A prospective matched-pair control study. Clin Nephrol 1996; 45: 83–89.
- Qunibi WY, Barri Y, Devol E et al. Factors predictive of posttransplant erythrocytosis. Kidney Int 1991; 40: 1153–1159.

- 771. Gruber SA, Simmons RL, Najarian JS et al. Erythrocytosis and thromboembolic complications after renal transplantation: Results from a randomized trial of cyclosporine versus azathioprineantilymphocyte globulin. Transplant Proc 1988; 20: 948– 950.
- 772. Fang GX, Chan PC, Cheng IK et al. Haematological changes after renal transplantation: Differences between cyclosporin-A and azathioprine therapy. Int Urol Nephrol 1990; 22: 181–187.
- Klaassen RJ, van Gelder T, de Meester J et al. Incidence of posttransplant erythrocytosis (PTE) in kidney graft recipients where the recipient of the contralateral kidney developed PTE. Transplantation 1998; 65: 1138–1139.
- Pollak R, Maddux MS, Cohan J et al. Erythrocythemia following renal transplantation: Influence of diuretic therapy. Clin Nephrol 1988; 29: 119–123.
- 775. Glicklich D, Tellis VA, Matas AJ et al. No association between post-transplant erythrocytosis, thromboembolic events, and cyclosporine therapy. Transplant Proc 1989; 21: 2141–2142.
- 776. Kay R, Bennett WM, Thorpe J et al. Polycythemia in renal transplant patients. Arch Intern Med 1980; 140: 281.
- 777. Yildiz A, Yazici H, Cine N et al. Angiotensin converting enzyme gene polymorphism and development of post-transplant erythrocytosis. J Nephrol 2003; 16: 399–403.
- Webb DB, Price KA, Hutton RD et al. Polycythaemia following renal transplantation: An association with azathioprine dosage? Am J Nephrol 1987; 7: 221–225.
- Finazzi G, Barbui T. Expertise-based management in essential thrombocythemia and polycythemia vera. Cancer J 2007; 13: 372–376.
- 780. Pearson TC. The risk of thrombosis in essential thrombocythemia and polycythemia vera. Semin Oncol 2002; 29: 16–21.
- Passamonti F, Rumi E, Pungolino E et al. Life expectancy and prognostic factors for survival in patients with polycythemia vera and essential thrombocythemia. Am J Med 2004; 117: 755–761.
- Wu WC, Schifftner TL, Henderson WG et al. Preoperative hematocrit levels and postoperative outcomes in older patients undergoing noncardiac surgery. JAMA 2007; 297: 2481–2488.
- De Stefano V, Za T, Rossi E et al. Recurrent thrombosis in patients with polycythemia vera and essential thrombocythemia: Incidence, risk factors, and effect of treatments. Haematologica 2008; 93: 372–380.
- Koall W, Schabitz J, Kunsch R et al. [Thromboembolism risk factors in kidney transplant patients with secondary erythrocytosis in relation to hemorheologic aspects]. Z Gesamte Inn Med 1988; 43: 474–477.
- Danovitch GM, Jamgotchian NJ, Eggena PH et al. Angiotensinconverting enzyme inhibition in the treatment of renal transplant erythrocytosis. Clinical experience and observation of mechanism. Transplantation 1995; 60: 132–137.
- Ducloux D, Saint-Hillier Y, Chalopin JM. Effect of losartan on haemoglobin concentration in renal transplant recipients–a retrospective analysis. Nephrol Dial Transplant 1997; 12: 2683–2686.
- Julian BA, Brantley RR, Jr., Barker CV et al. Losartan, an angiotensin II type 1 receptor antagonist, lowers hematocrit in posttransplant erythrocytosis. J Am Soc Nephrol 1998; 9: 1104– 1108.
- Beckingham IJ, Woodrow G, Hinwood M, et al. A randomized placebo-controlled study of enalapril in the treatment of erythrocytosis after renal transplantation. Nephrol Dial Transplant 1995; 10: 2316–2320.
- Lal SM, Trivedi HS, Ross G, Jr. Long term effects of ACE inhibitors on the erythrocytosis in renal transplant recipients. Int J Artif Organs 1995; 18: 13–16.

- MacGregor MS, Rowe PA, Watson MA et al. Treatment of postrenal transplant erythrocytosis. Long-term efficacy and safety of angiotensin-converting enzyme inhibitors. Nephron 1996; 74: 517–521.
- Montanaro D, Groupuzzo M, Boscutti G et al. Long-term therapy for postrenal transplant erythrocytosis with ACE inhibitors: Efficacy, safety and action mechanisms. Clin Nephrol 2000; 53(Suppl 4): 47–51.
- Morale W, Puliatti C, Veroux P et al. [Treatment of post kidney transplantation erythrocytosis (PTE) with ACE inhibitors]. Minerva Urol Nefrol 2002; 54: 145–148.
- Mulhern JG, Lipkowitz GS, Braden GL et al. Association of postrenal transplant erythrocytosis and microalbuminuria: Response to angiotensin-converting enzyme inhibition. Am J Nephrol 1995; 15: 318–322.
- 794. Perazella M, McPhedran P, Kliger A et al. Enalapril treatment of posttransplant erythrocytosis: Efficacy independent of circulating erythropoietin levels. Am J Kidney Dis 1995; 26: 495–500.
- Rell K, Koziak K, Jarzyo I et al. Correction of posttransplant erythrocytosis with enalapril. Transplantation 1994; 57: 1059–1063.
- 796. Yildiz A, Cine N, Akkaya V et al. Comparison of the effects of enalapril and losartan on posttransplantation erythrocytosis in renal transplant recipients: Prospective randomized study. Transplantation 2001; 72: 542–544.
- 797. Klaassen RJ, van Gelder T, Rischen-Vos J et al. Losartan, an angiotensin-II receptor antagonist, reduces hematocrits in kidney transplant recipients with posttransplant erythrocytosis. Transplantation 1997; 64: 780–782.
- Bakris GL, Sauter ER, Hussey JL et al. Effects of theophylline on erythropoietin production in normal subjects and in patients with erythrocytosis after renal transplantation. N Engl J Med 1990; 323: 86–90.
- Grekas D, Dioudis C, Valkouma D et al. Theophylline modulates erythrocytosis after renal transplantation. Nephron 1995; 70: 25– 27.
- Mazzali M, Filho GA. Use of aminophylline and enalapril in posttransplant polycythemia. Transplantation 1998; 65: 1461–1464.
- Ok E, Akcicek F, Toz H et al. Comparison of the effects of enalapril and theophylline on polycythemia after renal transplantation. Transplantation 1995; 59: 1623–1626.
- Trivedi H, Lal SM. A prospective, randomized, open labeled crossover trial of fosinopril and theophylline in post renal transplant erythrocytosis. Ren Fail 2003; 25: 77–86.
- 803. Vanrenterghem Y, Waer M, Christiaens MR et al. Bilateral nephrectomy of the native kidneys reduces the incidence of arterial hypertension and erythrocytosis in kidney graft recipients treated with cyclosporin. Leuven Collaborative Group for Transplantation. Transpl Int 1992; 5(Suppl 1): S35–37.
- 804. Zhang W, Doherty M, Pascual E et al. EULAR evidence based recommendations for gout. Part I: Diagnosis. Report of a task force of the Standing Committee for International Clinical Studies Including Therapeutics (ESCISIT). Ann Rheum Dis 2006; 65: 1301–1311.
- Campion EW, Glynn RJ, DeLabry LO. Asymptomatic hyperuricemia. Risks and consequences in the Normative Aging Study. Am J Med 1987; 82: 421–426.
- Clive DM. Renal transplant-associated hyperuricemia and gout. J Am Soc Nephrol 2000; 11: 974–979.
- Mazzali M. Uric acid and transplantation. Semin Nephrol 2005; 25: 50–55.
- Abbott KC, Kimmel PL, Dharnidharka V et al. New-onset gout after kidney transplantation: Incidence, risk factors and implications. Transplantation 2005; 80: 1383–1391.

- Lin HY, Rocher LL, McQuillan MA et al. Cyclosporine-induced hyperuricemia and gout. N Engl J Med 1989; 321: 287–292.
- 810. West C, Carpenter BJ, Hakala TR. The incidence of gout in renal transplant recipients. Am J Kidney Dis 1987; 10: 369–372.
- 811. Gores PF, Fryd DS, Sutherland DE et al. Hyperuricemia after renal transplantation. Am J Surg 1988; 156: 397–400.
- Stamp L, Ha L, Searle M et al. Gout in renal transplant recipients. Nephrology (Carlton) 2006; 11: 367–371.
- Vanrenterhem Y, Meier-Kriesche H-U, Schold J et al. Levels and progression of parameters associated with metabolic syndrome by immunosuppressive regimen: Evidence from the Symphony Study. Abstract #155 (ORAL). Am J Transplant 2007; 7 (Suppl 12): 186.
- Kanbay M, Akcay A, Huddam B et al. Influence of cyclosporine and tacrolimus on serum uric acid levels in stable kidney transplant recipients. Transplant Proc 2005; 37: 3119–3120.
- Bumbea V, Kamar N, Ribes D et al. Long-term results in renal transplant patients with allograft dysfunction after switching from calcineurin inhibitors to sirolimus. Nephrol Dial Transplant 2005; 20: 2517–2523.
- Schlitt HJ, Barkmann A, Boker KH et al. Replacement of calcineurin inhibitors with mycophenolate mofetil in liver-transplant patients with renal dysfunction: A randomised controlled study. Lancet 2001; 357: 587–591.
- Edvardsson VO, Kaiser BA, Polinsky MS et al. Natural history and etiology of hyperuricemia following pediatric renal transplantation. Pediatr Nephrol 1995; 9: 57–60.
- Johnson RJ, Segal MS, Srinivas T et al. Essential hypertension, progressive renal disease, and uric acid: A pathogenetic link? J Am Soc Nephrol 2005; 16: 1909–1919.
- Kanellis J, Feig DI, Johnson RJ. Does asymptomatic hyperuricaemia contribute to the development of renal and cardiovascular disease? An old controversy renewed. Nephrology (Carlton) 2004; 9: 394–399.
- Venkataseshan VS, Feingold R, Dikman S et al. Acute hyperuricemic nephropathy and renal failure after transplantation. Nephron 1990; 56: 317–321.
- Siu YP, Leung KT, Tong MK et al. Use of allopurinol in slowing the progression of renal disease through its ability to lower serum uric acid level. Am J Kidney Dis 2006; 47: 51–59.
- 822. Johnson D. Uric acid. Nephrology 2006; 11 (Suppl S1): 25-26.
- Kamper AL, Nielsen AH. Uricosuric effect of losartan in patients with renal transplants. Transplantation 2001; 72: 671–674.
- 824. Zhang W, Doherty M, Bardin T et al. EULAR evidence based recommendations for gout. Part II: Management. Report of a task force of the EULAR Standing Committee for International Clinical Studies Including Therapeutics (ESCISIT). Ann Rheum Dis 2006; 65: 1312–1324.
- Harris KP, Jenkins D, Walls J. Nonsteroidal antiinflammatory drugs and cyclosporine. A potentially serious adverse interaction. Transplantation 1988; 46: 598–599.
- Clifford TM, Pajoumand M, Johnston TD. Celecoxib-induced nephrotoxicity in a renal transplant recipient. Pharmacotherapy 2005; 25: 773–777.
- Wolf G, Porth J, Stahl RA. Acute renal failure associated with rofecoxib. Ann Intern Med 2000; 133: 394.
- Montseny JJ, Meyrier A, Gherardi RK. Colchicine toxicity in patients with chronic renal failure. Nephrol Dial Transplant 1996; 11: 2055–2058.
- Dupont P, Hunt I, Goldberg L et al. Colchicine myoneuropathy in a renal transplant patient. Transpl Int 2002; 15: 374–376.
- 830. Kuncl RW, Duncan G, Watson D et al. Colchicine myopathy and neuropathy. N Engl J Med 1987; 316: 1562–1568.

- Jacobs F, Mamzer-Bruneel MF, Skhiri H et al. Safety of the mycophenolate mofetil-allopurinol combination in kidney transplant recipients with gout. Transplantation 1997; 64: 1087– 1088.
- Perez-Ruiz F, Gomez-Ullate P, Amenabar JJ et al. Long-term efficacy of hyperuricaemia treatment in renal transplant patients. Nephrol Dial Transplant 2003; 18: 603–606.
- Bardin T. Current management of gout in patients unresponsive or allergic to allopurinol. Joint Bone Spine 2004; 71: 481–485.
- Schaefer F. Pubertal growth and final height in chronic renal failure. In: Schärer K (ed). Growth and endocrine changes in children and adolescents with chronic renal failure S. Karger AG, Basel: Heidelburg, Germany, 1989, pp 359–371.
- Hokken-Koelega AC, van Zaal MA, van Bergen W et al. Final height and its predictive factors after renal transplantation in childhood. Pediatr Res 1994; 36: 323–328.
- Vimalachandra D, Craig JC, Cowell CT et al. Growth hormone treatment in children with chronic renal failure: A meta-analysis of randomized controlled trials. J Pediatr 2001; 139: 560–567.
- Fine RN, Attie KM, Kuntze J et al. Recombinant human growth hormone in infants and young children with chronic renal insufficiency. Genentech Collaborative Study Group. Pediatr Nephrol 1995; 9: 451–457.
- 838. Haffner D, Schaefer F, Nissel R et al. Effect of growth hormone treatment on the adult height of children with chronic renal failure. German Study Group for Growth Hormone Treatment in Chronic Renal Failure. N Engl J Med 2000; 343: 923–930.
- Maxwell H, Rees L. Randomised controlled trial of recombinant human growth hormone in prepubertal and pubertal renal transplant recipients. British Association for Pediatric Nephrology. Arch Dis Child 1998; 79: 481–487.
- Maxwell H, Haffner D, Rees L. Catch-up growth occurs after renal transplantation in children of pubertal age. J Pediatr 1998; 133: 435–440.
- Fine RN, Stablein D. Long-term use of recombinant human growth hormone in pediatric allograft recipients: A report of the NAPRTCS Transplant Registry. Pediatr Nephrol 2005; 20: 404– 408.
- Dharnidharka VR, Douglas VK, Hunger SP et al. Hodgkin's lymphoma after post-transplant lymphoproliferative disease in a renal transplant recipient. Pediatr Transplant 2004; 8: 87–90.
- Hokken-Koelega AC, Stijnen T, de Jong RC et al. A placebocontrolled, double-blind trial of growth hormone treatment in prepubertal children after renal transplant. Kidney Int 1996; (Suppl 53): S128–134.
- Guest G, Berard E, Crosnier H et al. Effects of growth hormone in short children after renal transplantation. French Society of Pediatric Nephrology. Pediatr Nephrol 1998; 12: 437– 446.
- 845. Fine RN, Stablein D, Cohen AH et al. Recombinant human growth hormone post-renal transplantation in children: A randomized controlled study of the NAPRTCS. Kidney Int 2002; 62: 688–696.
- Mehls O, Wilton P, Lilien M et al. Does growth hormone treatment affect the risk of post-transplant renal cancer? Pediatr Nephrol 2002; 17: 984–989.
- Fine RN, De Palma JR, Lieberman E et al. Extended hemodialysis in children with chronic renal failure. J Pediatr 1968; 73: 706–713.
- Fine RN, Korsch BM, Stiles Q et al. Renal homotransplantation in children. J Pediatr 1970; 76: 347–357.
- Potter DE, Holliday MA, Wilson CJ et al. Alternate-day steroids in children after renal transplantation. Transplant Proc 1975; 7: 79–82.

- Broyer M, Guest G, Gagnadoux MF. Growth rate in children receiving alternate-day corticosteroid treatment after kidney transplantation. J Pediatr 1992; 120: 721–725.
- Jabs K, Sullivan EK, Avner ED et al. Alternate-day steroid dosing improves growth without adversely affecting graft survival or long-term graft function. A report of the North American Pediatric Renal Transplant Cooperative Study. Transplantation 1996; 61: 31–36.
- Sarwal MM, Yorgin PD, Alexander S et al. Promising early outcomes with a novel, complete steroid avoidance immunosuppression protocol in pediatric renal transplantation. Transplantation 2001; 72: 13–21.
- Sarwal MM, Vidhun JR, Alexander SR et al. Continued superior outcomes with modification and lengthened follow-up of a steroid-avoidance pilot with extended daclizumab induction in pediatric renal transplantation. Transplantation 2003; 76: 1331– 1339.
- 854. Sarwal MM, Benfield M, Ettenger R et al. One year results of a prospective, randomized, multicenter trial of steroid avoidance in pediatric renal transplantation. Am J Transplant 2008; 8 (Suppl S2): 192.
- Diemont WL, Vruggink PA, Meuleman EJ et al. Sexual dysfunction after renal replacement therapy. Am J Kidney Dis 2000; 35: 845–851.
- Palmer BF. Sexual dysfunction in uremia. J Am Soc Nephrol 1999; 10: 1381–1388.
- 857. Palmer BF. Sexual dysfunction in men and women with chronic kidney disease and end-stage kidney disease. Adv Ren Replace Ther 2003; 10: 48–60.
- Toorians AW, Janssen E, Laan E et al. Chronic renal failure and sexual functioning: Clinical status versus objectively assessed sexual response. Nephrol Dial Transplant 1997; 12: 2654–2663.
- Bhahramani N, Behzadi A, Gholami S et al. Postrenal transplant improvement of sexual function. Transplant Proc 1999; 31: 3144.
- Tsujimura A, Matsumiya K, Tsuboniwa N et al. Effect of renal transplantation on sexual function. Arch Androl 2002; 48: 467– 474.
- Raiz L, Davies EA, Ferguson RM. Sexual functioning following renal transplantation. Health Soc Work 2003; 28: 264–272.
- Shamsa A, Motavalli SM, Aghdam B. Erectile function in endstage renal disease before and after renal transplantation. Transplant Proc 2005; 37: 3087–3089.
- 863. Pourmand G, Emamzadeh A, Moosavi S et al. Does renal transplantation improve erectile dysfunction in hemodialysed patients? What is the role of associated factors? Transplant Proc 2007; 39: 1029–1032.
- Zhang Y, Guan DL, Ou TW et al. Sildenafil citrate treatment for erectile dysfunction after kidney transplantation. Transplant Proc 2005; 37: 2100–2103.
- El-Bahnasawy MS, El-Assmy A, El-Sawy E et al. Critical evaluation of the factors influencing erectile function after renal transplantation. Int J Impot Res 2004; 16: 521–526.
- Jurgensen JS, Ulrich C, Horstrup JH et al. Sexual dysfunction after simultaneous pancreas-kidney transplantation. Transplant Proc 2008; 40: 927–930.
- Demir E, Balal M, Paydas S et al. Efficacy and safety of vardenafil in renal transplant recipients with erectile dysfunction. Transplant Proc 2006; 38: 1379–1381.
- Sharma RK, Prasad N, Gupta A et al. Treatment of erectile dysfunction with sildenafil citrate in renal allograft recipients: A randomized, double-blind, placebo-controlled, crossover trial. Am J Kidney Dis 2006; 48: 128–133.

- Zerner J, Doil KL, Drewry J et al. Intrauterine contraceptive device failures in renal transplant patients. J Reprod Med 1981; 26: 99–102.
- Reddy SS, Holley JL. Management of the pregnant chronic dialysis patient. Adv Chronic Kidney Dis 2007; 14: 146–155.
- 871. Davison JM. Dialysis, transplantation, and pregnancy. Am J Kidney Dis 1991; 17: 127–132.
- Kim HW, Seok HJ, Kim TH et al. The experience of pregnancy after renal transplantation: Pregnancies even within postoperative 1 year may be tolerable. Transplantation 2008; 85: 1412–1419.
- Sibanda N, Briggs JD, Davison JM et al. Pregnancy after organ transplantation: A report from the UK Transplant pregnancy registry. Transplantation 2007; 83: 1301–1307.
- 874. Rizzoni G, Ehrich JH, Broyer M et al. Successful pregnancies in women on renal replacement therapy: Report from the EDTA Registry. Nephrol Dial Transplant 1992; 7: 279–287.
- Sturgiss SN, Davison JM. Effect of pregnancy on long-term function of renal allografts. Am J Kidney Dis 1992; 19: 167–172.
- Rahamimov R, Ben-Haroush A, Wittenberg C et al. Pregnancy in renal transplant recipients: Long-term effect on patient and graft survival. A single-center experience. Transplantation 2006; 81: 660–664.
- Grimer M. The CARI guidelines. Calcineurin inhibitors in renal transplantation: Pregnancy, lactation and calcineurin inhibitors. Nephrology (Carlton) 2007; 12(Suppl 1): S98-S105.
- Imbasciati E, Gregorini G, Cabiddu G et al. Pregnancy in CKD stages 3 to 5: Fetal and maternal outcomes. Am J Kidney Dis 2007; 49: 753–762.
- McKay DB, Josephson MA, Armenti VT et al. Reproduction and transplantation: Report on the AST Consensus Conference on Reproductive Issues and Transplantation. Am J Transplant 2005; 5: 1592–1599.
- Zalunardo N, Johnston O, Rose C et al. Women who become pregnant in the first two years after kidney transplantation have a higher risk of graft loss. Abstract 76. Am J Transplant 2008; 8: 199.
- Armenti VT, Radomski JS, Moritz MJ et al. Report from the National Transplantation Pregnancy Registry (NTPR): Outcomes of pregnancy after transplantation. Clin Transpl 2004: 103– 114.
- McKay DB, Josephson MA. Pregnancy in recipients of solid organs–effects on mother and child. N Engl J Med 2006; 354: 1281–1293.
- Pergola PE, Kancharla A, Riley DJ. Kidney transplantation during the first trimester of pregnancy: Immunosuppression with mycophenolate mofetil, tacrolimus, and prednisone. Transplantation 2001; 71: 994–997.
- 884. Le Ray C, Coulomb A, Elefant E et al. Mycophenolate mofetil in pregnancy after renal transplantation: A case of major fetal malformations. Obstet Gynecol 2004; 103: 1091–1094.
- Sifontis NM, Coscia LA, Constantinescu S et al. Pregnancy outcomes in solid organ transplant recipients with exposure to mycophenolate mofetil or sirolimus. Transplantation 2006; 82: 1698–1702.
- European best practice guidelines for renal transplantation. Section IV: Long-term management of the transplant recipient. Nephrol Dial Transplant 2002; 17(Suppl 4): 1–67.
- 887. Rapamune package insert. 2003.
- Jankowska I, Oldakowska-Jedynak U, Jabiry-Zieniewicz Z et al. Absence of teratogenicity of sirolimus used during early pregnancy in a liver transplant recipient. Transplant Proc 2004; 36: 3232–3233.
- Guardia O, Rial Mdel C, Casadei D. Pregnancy under sirolimusbased immunosuppression. Transplantation 2006; 81: 636.

- American Academy of Pediatrics Committee on Drugs: The transfer of drugs and other chemicals into human milk. Pediatrics 1994; 93: 137–150.
- 891. Coulam CB, Moyer TP, Jiang NS et al. Breast-feeding after renal transplantation. Transplant Proc 1982; 14: 605–609.
- Holdsworth S, Atkins RC, de Kretser DM. The pituitary-testicular axis in men with chronic renal failure. N Engl J Med 1977; 296: 1245–1249.
- Haberman J, Karwa G, Greenstein SM et al. Male fertility in cyclosporine-treated renal transplant patients. J Urol 1991; 145: 294–296.
- 894. Aulakh BS, Singh SK, Khanna S et al. Impact of renal transplantation on gonadal function in male uremic patients-our experience. Transplant Proc 2003; 35: 316.
- 895. De Celis R, Pedron-Nuevo N. Male fertility of kidney transplant patients with one to ten years of evolution using a conventional immunosuppressive regimen. Arch Androl 1999; 42: 9–20.
- Handelsman DJ, Ralec VL, Tiller DJ et al. Testicular function after renal transplantation. Clin Endocrinol (Oxf) 1981; 14: 527–538.
- Handelsman DJ, McDowell IF, Caterson ID et al. Testicular function after renal transplantation: Comparison of cyclosporin A with azathioprine and prednisone combination regimes. Clin Nephrol 1984; 22: 144–148.
- Holdsworth SR, de Kretser DM, Atkins RC. A comparison of hemodialysis and transplantation in reversing the uremic disturbance of male reproductive function. Clin Nephrol 1978; 10: 146–150.
- Eid MM, Abdel-Hamid IA, Sobh MA et al. Assessment of sperm motion characteristics in infertile renal transplant recipients using computerized analysis. Int J Androl 1996; 19: 338–344.
- Rodrigues Netto N, Jr., Pecoraro G, Sabbaga E et al. Spermatogenesis before and after renal transplant. Int J Fertil 1980; 25: 131–133.
- Bererhi L, Flamant M, Martinez F et al. Rapamycin-induced oligospermia. Transplantation 2003; 76: 885–886.
- 902. Huyghe E, Zairi A, Nohra J et al. Gonadal impact of target of rapamycin inhibitors (sirolimus and everolimus) in male patients: An overview. Transpl Int 2007; 20: 305–311.
- Skrzypek J, Krause W. Azoospermia in a renal transplant recipient during sirolimus (rapamycin) treatment. Andrologia 2007; 39: 198–199.
- Zuber J, Anglicheau D, Elie C et al. Sirolimus may reduce fertility in male renal transplant recipients. Am J Transplant 2008; 8: 1471–1479.
- 905. Feng LX, Ravindranath N, Dym M. Stem cell factor/c-kit upregulates cyclin D3 and promotes cell cycle progression via the phosphoinositide 3-kinase/p70 S6 kinase pathway in spermatogonia. J Biol Chem 2000; 275: 25572–25576.
- Armenti VT, Daller JA, Constantinescu S et al. Report from the National Transplantation Pregnancy Registry: Outcomes of pregnancy after transplantation. Clin Transpl 2006: 57–70.
- 907. Cukor D, Cohen SD, Peterson RA et al. Psychosocial aspects of chronic disease: ESRD as a paradigmatic illness. J Am Soc Nephrol 2007; 18: 3042–3055.
- 908. Kimmel PL, Cukor D, Cohen SD et al. Depression in end-stage renal disease patients: A critical review. Adv Chronic Kidney Dis 2007; 14: 328–334.
- 909. Boulware LE, Liu Y, Fink NE et al. Temporal relation among depression symptoms, cardiovascular disease events, and mortality in end-stage renal disease: Contribution of reverse causality. Clin J Am Soc Nephrol 2006; 1: 496–504.
- Craven JL, Rodin GM, Littlefield C. The Beck Depression Inventory as a screening device for major depression in renal dialysis patients. Int J Psychiatry Med 1988; 18: 365–374.

- Hedayati SS, Bosworth HB, Kuchibhatla M et al. The predictive value of self-report scales compared with physician diagnosis of depression in hemodialysis patients. Kidney Int 2006; 69: 1662– 1668.
- Lopes AA, Albert JM, Young EW et al. Screening for depression in hemodialysis patients: Associations with diagnosis, treatment, and outcomes in the DOPPS. Kidney Int 2004; 66: 2047–2053.
- 913. Watnick S, Kirwin P, Mahnensmith R et al. The prevalence and treatment of depression among patients starting dialysis. Am J Kidney Dis 2003; 41: 105–110.
- Joseph JT, Baines LS, Morris MC et al. Quality of life after kidney and pancreas transplantation: A review. Am J Kidney Dis 2003; 42: 431–445.
- 915. Cameron JI, Whiteside C, Katz J et al. Differences in quality of life across renal replacement therapies: A meta-analytic comparison. Am J Kidney Dis 2000; 35: 629–637.
- 916. Karam VH, Gasquet I, Delvart V et al. Quality of life in adult survivors beyond 10 years after liver, kidney, and heart transplantation. Transplantation 2003; 76: 1699–1704.
- Sayin A, Mutluay R, Sindel S. Quality of life in hemodialysis, peritoneal dialysis, and transplantation patients. Transplant Proc 2007; 39: 3047–3053.
- Akman B, Ozdemir FN, Sezer S et al. Depression levels before and after renal transplantation. Transplant Proc 2004; 36: 111– 113.
- Virzi A, Signorelli MS, Veroux M et al. Depression and quality of life in living related renal transplantation. Transplant Proc 2007; 39: 1791–1793.
- Karaminia R, Tavallaii SA, Lorgard-Dezfuli-Nejad M et al. Anxiety and depression: A comparison between renal transplant recipients and hemodialysis patients. Transplant Proc 2007; 39: 1082– 1084.
- 921. Wallace J, Yorgin PD, Carolan R et al. The use of art therapy to detect depression and post-traumatic stress disorder in pediatric and young adult renal transplant recipients. Pediatr Transplant 2004; 8: 52–59.
- Noohi S, Khaghani-Zadeh M, Javadipour M et al. Anxiety and depression are correlated with higher morbidity after kidney transplantation. Transplant Proc 2007; 39: 1074–1078.
- 923. Perez-San-Gregorio MA, Martin-Rodriguez A, Diaz-Dominguez R et al. The influence of posttransplant anxiety on the long-term health of patients. Transplant Proc 2006; 38: 2406–2408.
- 924. Bullington P, Pawola L, Walker R et al. Identification of medi-

cation non-adherence factors in adolescent transplant patients: The patient's viewpoint. Pediatr Transplant 2007; 11: 914–921.

- 925. Abbott KC, Agodoa LY, O'Malley PG. Hospitalized psychoses after renal transplantation in the United States: Incidence, risk factors, and prognosis. J Am Soc Nephrol 2003; 14: 1628– 1635.
- 926. Dobbels F, Skeans MA, Snyder JJ et al. Depressive disorder in renal transplantation: An analysis of Medicare claims. Am J Kidney Dis 2008; 51: 819–828.
- Baines LS, Joseph JT, Jindal RM. Emotional issues after kidney transplantation: A prospective psychotherapeutic study. Clin Transplant 2002; 16: 455–460.
- Baines LS, Joseph JT, Jindal RM. Prospective randomized study of individual and group psychotherapy versus controls in recipients of renal transplants. Kidney Int 2004; 65: 1937–1942.
- Vella JP, Sayegh MH. Interactions between cyclosporine and newer antidepressant medications. Am J Kidney Dis 1998; 31: 320–323.
- 930. Whooley MA, Avins AL, Miranda J et al. Case-finding instruments for depression. Two questions are as good as many. J Gen Intern Med 1997; 12: 439–445.
- Counsell C. Formulating questions and locating primary studies for inclusion in systematic reviews. Ann Intern Med 1997; 127: 380–387.
- Atkins D, Best D, Briss PA et al. Grading quality of evidence and strength of recommendations. BMJ 2004; 328: 1490–1494.
- 933. Uhlig K, Macleod A, Craig J et al. Grading evidence and recommendations for clinical practice guidelines in nephrology. A position statement from Kidney Disease: Improving Global Outcomes (KDIGO). Kidney Int 2006; 70: 2058–2065.
- 934. Guyatt GH, Oxman AD, Kunz R et al. Going from evidence to recommendations. BMJ 2008; 336: 1049–1051.
- 935. Farquhar C, Kunz R: Grading and the GRADE instrument. In Second Guidelines International Network (G-I-N) Conference, Wellington, New Zealand, 2004.
- 936. Development and validation of an international appraisal instrument for assessing the quality of clinical practice guidelines: The AGREE project. Qual Saf Health Care 2003; 12: 18–23.
- Shiffman RN, Shekelle P, Overhage JM et al. Standardized reporting of clinical practice guidelines: A proposal from the Conference on Guideline Standardization. Ann Intern Med 2003; 139: 493–498.