

CURRICULUM VITAE

**David Christopher Holland**

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Etherington Hall  
Queen's University  
Kingston, Ontario  
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Home Address

Education              B.Sc. (Honors)  
University of Western Ontario  
London, Ontario

MD  
McMaster University  
Hamilton, Ontario

LMCC

FRCP(C)  
Internal Medicine

RCPSC Subspecialty Certification  
Nephrology

M.Sc.  
Community Health and Epidemiology  
Queen's University

## **Clinical Training**

Internship  
Internal Medicine  
McMaster University 1988-1989

Residency  
Internal Medicine  
McMaster University 1989-1992

Chief Medical Resident  
Hamilton General Hospital 1991-1992

Nephrology Fellowship  
St. Joseph's Hospital  
McMaster University 1992-1993

## **Academic Awards**

1983-1985      Dean's Honor List  
University of Western Ontario

1984            Natural Science and Engineering Research Council  
Undergraduate Scholarship  
University of Western Ontario

1985            Natural Science and Engineering Research Council  
Undergraduate Scholarship  
University of Western Ontario

## **Teaching Awards**

1998            Aesculapian Society Teaching Award  
Undergraduate Medical Education

2002            Department of Medicine Resident Teaching Award

2003            Award for Excellence in Postgraduate Teaching (Top 10 percent of  
teachers within the Department of Medicine)

2004            Aesculapian Society Teaching Award  
Undergraduate Medical Education

2010 Aesculapian Society Teaching Award  
Undergraduate Medical Education

2012 Aesculapian Society Teaching Award  
Undergraduate Medical Education

### **Research Awards**

1999 Resident Research Award:  
Canadian Society of Internal Medicine  
M.A.Goldszmidt, M. Lam, and D.C. Holland. Teaching internal  
medicine residents critical appraisal through a classic literature-based  
journal club.

2003 Lilian Zbar Essay Competition Research Award: Mohammed F.  
Shamji and David C. Holland. Diffuse B-Cell Lymphoma and  
Profound Diuresis: Intracranial Disease and Coexistent Diabetes  
Insipidus and Cerebral Salt Wasting.

2003 Resident Research Award: L. Miller, W. Hopman, R. Lindsay, D.  
Holland. Predictors of Fallback Events in a Satellite Hemodialysis  
Population. Department of Medicine, Queen's University.

### **Academic Appointments**

1993 – 1994 Lecturer  
Department of Medicine  
Queen's University

1995 – 2002 Assistant Professor  
Department of Medicine  
Queen's University

2002 – Present Associate Professor  
Department of Medicine  
Queen's University

2003 - 2006 Assistant Dean  
Undergraduate Medicine  
Queen's University

### **Hospital Appointments**

1993 – Present Nephrologist  
Attending Staff

	Kingston General Hospital
1993 – Present	Nephrologist Consulting Staff Hotel Dieu Hospital St. Mary's of the Lake Hospital
1993 – Present	Director of Renal Transplantation Kingston General Hospital
1993 – Present	Regional Kidney Transplantation Medical Director Southeastern Ontario Trillium Gift of Life Network (TGLN - formerly MORE)
2002 - Present	Quinte HealthCare Corporation (Price Edward County) Department of Medicine (Courtesy status) Perth and Smith Falls District Hospital (Courtesy status)

### **Professional Memberships**

Ontario Medical Association  
Canadian Medical Association  
Canadian Society of Transplantation  
Canadian Society of Nephrology  
American Society of Nephrology

### **Reviewer**

American Journal of Kidney Disease  
Peritoneal Dialysis International  
Kidney International

### **Research**

#### **Abstract Presentations**

1. R. David Russell, David Ludwin, Euan J. Carlisle, and David C. Holland. Prevention of OKT3 induced symptoms by blockade of tumor necrosis factor with Pentoxifylline. American Society of Transplant Physicians. October 1992.
2. Sameena Iqbal, David C. Holland and Edwin B. Toffelmire. Diltiazem inhibition of cyclosporine metabolism provides cost effective therapy. American Society for Clinical Pharmacology and Therapeutics 37:219, 1995.

3. David C. Holland and Miu Lam. Predictors of morbidity and mortality among pre-dialysis patients. *Am J Kidney Disease* 33:4, 1999.
4. M.A.Goldszmidt, M. Lam, and D.C. Holland. Teaching internal medicine residents critical appraisal through a classic literature-based journal club. CAPM/CSIM/CSCI Resident Research Award. Resident Research Day, Queen's University, May 1999.
5. Eduard A. Iliescu, David C. Holland, A. Ross Morton, Wilma Hopman and Carol Meers. Change in serum albumin with initiation of hemo and peritoneal dialysis predicts patient mortality. *American Society of Artificial Organs* 45 (2):190. 1999.
6. David C. Holland and Miu Lam. Sub-optimal dialysis initiation among pre-dialysis patients: a retrospective cohort study. *Journal of the American Society of Nephrology* 10:176A, 1999.
7. David C. Holland and Miu Lam. Predictors of early versus late referral among a retrospective cohort of predialysis patients. *Journal of the American Society of Nephrology* 10:167A, 1999.
8. David C. Holland, Carol Meers, Marilyn Lawlor, and Miu Lam. Serial prealbumin values as predictors of outcome in a prevalent cohort of peritoneal and hemodialysis patients. *American Society of Nephrology* 11:150A, 2000.
9. Derek Benjamin, David Holland, Donald Farquhar, Kathryn Myers, and Michael Singer. Resident initiated quality assurance successfully teaches the RCPSC QA objectives to residents. Resident Research Day, Queen's University May 2001.
10. Christine A. White, Rachel M. Pilkey, Miu Lam, and David C. Holland. Pre-dialysis care improves quality of life measurements among chronic hemodialysis patients. *American Society of Nephrology*, 2001 (*J Am Soc Nephrol* 12, abst A1313, 2001).
11. Christine A. White, Rachel M. Pilkey, Miu Lam, and David C. Holland. Improvement in physical function measured by the SF 36-item Health Survey among patients with chronic progressive renal insufficiency. *Canadian Society of Nephrology*, 2002.
12. Barre P, Reichel H, Suranyi M et al. Once weekly epoetin alfa (Eprex/Erypo) maintains haemoglobin concentrations in haemodialysis patients. *Nephrology Dialysis Transplantation* 17 [(Suppl 7)], 136 (Abst. #M316). 2002.
13. Monika Madan, Ross Morton, Miu Lam, and David Holland. A retrospective cohort study examining the association between elevated time-averaged phosphate level and calcium-phosphate product and risk of cardiovascular events and death among pre-dialysis patients. *World Congress of Nephrology, Nephrology Dialysis Transplantation* 2003 (suppl) vol. 18.

14. Predictors of Fallback Events in a Satellite Hemodialysis Population. L. Miller, W. Hopman, R. Lindsay, D. Holland. Research Day, Department of Medicine, Queen's University. 2003.
15. Eduard A. Iliescu, Karen E. Yeates, David C. Holland. Quality of sleep in Patients with Progressive Renal Insufficiency. American Society of Nephrology (J Am Soc Nephrol) 2003.
16. Mohammed F. Shamji and David C. Holland. Diffuse B-Cell Lymphoma and Profound Diuresis: Intracranial Disease and Coexistent Diabetes Insipidus and Cerebral Salt Wasting. American Society of Nephrology (J Am Soc Nephrol 2003).
17. Iliescu EA, Holland D, Morton A, Yeates K, Pilkey R, Toffelmire E. Outcomes in patients with chronic kidney disease: a retrospective cohort study. American Society of nephrology (J Am Soc Nephrol 2003 14:780A).
18. L. Miller, W. Hopman, R. Lindsay, D. Holland. Predictors of Fallback Events in a Satellite Hemodialysis Population. American Society of Nephrology (J Am Soc Nephrol 2003)
19. Iliescu EA, Yeates K, Holland D. Quality of sleep in predialysis patients. American Society of Nephrol (J Am Soc Nephrol 2003 14:535A).
20. Zemen P, Collier C, Hopman W, Holland D, Sanfillippo T, and Pilkey RM. The relationship of cardiac troponin T (cTnT) to echocardiographic and biochemical factors in chronic hemodialysis (HD) patients. Canadian Society of Nephrology meeting, May 2003.
21. Levin A, Djurdjev O, Thompson C, Barrett B, Ethier J, Carlisle E, Barre P, Magner P, Muirhead N, Tobe S, Tam P, Wadgyamar, Kappel J, Holland D, Pichette V, Shoker A, Soltys G, Singer, J. Predictors of Change in Kidney Function: Sub-analysis of the Canadian Multicentre Randomized Control Trial (RCT): Canadian Society of Nephrology 2004.
22. Levin A, Djurdjev O, Thompson C, Barrett B, Ethier J, Carlisle E, Barre P, Magner P, Muirhead N, Tobe S, Tam P, Wadgyamar, Kappel J, Holland D, Pichette V, Shoker A, Soltys G, Singer, J. Results of the Canadian Multicentre Randomized Control trial (RCT) of Erythropoietin Therapy for Progressive Anemia in Chronic Renal Failure: Canadian Society of Nephrology 2004.
23. Levin A, Djurdjev O, Thompson C, Barrett B, Ethier J, Carlisle E, Barre P, Magner P, Muirhead, N., Tobe, S, Tam P, Wadgyamar, Kappel J, Holland D, Pichette V, Shoker, A, Soltys, G, Singer, J. Change in GFR and Change in Hgb Predict Change in LVMI: Canadian Society of Nephrology 2004.

24. Diane Arlen, Edward Cole, Diane Hebert, Anthony Jevnikar, Gregory Knoll, Jeffrey Zaltman, David Holland, Elizabeth Renouf, Peter Feldman, Heather Ross. Study of cardiovascular outcomes in Renal transplantation: Canadian Society of Transplantation 2004 046-C.
25. Benjamin Chen, Matt Simpson, and David Holland: Using discussion forums to stimulate curriculum renewal. Association of Canadian Medical Colleges. April 2004.
26. Sarita Verma, Leslie Flynn, David Holland: Social Accountability at Queen's. Association of Canadian Medical Colleges. April 2004.
27. Benjamin Chen, Matt Simpson, and David Holland: On-Line course resources. Association of Canadian Medical Colleges. April 2004.
28. R.N. Foley, P.S. Parfrey, B.H. Wittreich, D.J. Sullivan, M.J. Zagari, D. Frei and The Canadian European Study Group. The Effect of Higher Hemoglobin Levels on Left Ventricular Cavity Volume in Patients Starting Hemodialysis: A Blinded, Randomized, Controlled Trial in 596 Patients Without Symptomatic Cardiovascular Disease. European Dialysis and Transplant Association. Lisbon, May 16, 2004.
29. P.S. Parfrey, R.N. Foley, B.H. Wittreich, D.J. Sullivan, M.J. Zagari, D. Frei and The Canadian European Study Group. The Effect of Higher Hemoglobin Levels on Quality of Life in Patients Starting Hemodialysis: A Blinded, Randomized, Controlled trial in 596 Patients Without Symptomatic Cardiac Disease. European Dialysis and Transplant Association. Lisbon, May 16, 2004.
30. R.N. Foley, P.S. Parfrey, B.H. Wittreich, D.J. Sullivan, M.J. Zagari, D. Frei and The Canadian European Study Group. The Effect of Higher Hemoglobin Levels on Left Ventricular Cavity Volume in Patients Starting Hemodialysis: A Blinded, Randomized, Controlled Trial in 596 Patients Without Symptomatic Cardiovascular Disease. Canadian Society of Nephrology. Toronto, 2004.
31. P.S. Parfrey, R.N. Foley, B.H. Wittreich, D.J. Sullivan, M.J. Zagari, D. Frei and The Canadian European Study Group. The Effect of Higher Hemoglobin Levels on Quality of Life in Patients Starting Hemodialysis: A Blinded, Randomized, Controlled trial in 596 Patients Without Symptomatic Cardiac Disease. Canadian Society of Nephrology. Toronto, 2004.
32. Mala Joneja, Leslie Flynn, David Holland. Designing a Curriculum for International medical graduates in the Clerkship program and postgraduate Level. Ontario Medical Education Network May 2005, Toronto.
33. Daniel Tascona, Alexander Morton, Edwin Toffelmire, David Holland, and Eduard Iliescu. Adequacy of Glycemic Control in Hemodialysis Patients with Diabetes Mellitus. American Society of Nephrology 2005.

34. Qun Miao, Anne-Marie Ugnat, Miu Y. Lam, David Holland, Yang Mao. A survival comparison between patients with end-stage renal disease undergoing hemodialysis and peritoneal dialysis in Canada. Annual Conference on Dialysis 2007.
35. Karen Yeates, Camelia Sima, Douglas Schaubel, Natasha Wiebe, Lilyanna Trpeski, David Holland, Brenda Hemmelgarn, John Gill, Marcello Tonelli, A Comparison of Outcomes in Renal Transplantation among Black and White Patients in Canada: Is Universal Health Care the Key to Improving Outcomes?, 2007, American Society of Nephrology, 2007
36. Rachel M. Pilkey, Gavin S. Harmon, Miao Wang, David Holland, Andrew G. Day, Major bleeding in hemodialysis patients, 2007, American Society of Nephrology, 2007
37. D. Arlen, E. Cole, D. Holland, A. Jevnikar, J. Kim, G. Knoll, Predictors of Cardiovascular Events in Adult Renal Transplant Recipients International Congress of the Transplant Society, 2010
38. Song L, Shamseddin MK, White C, Holland D, Iliescu E. Switching from Modification of Diet in Renal Disease (MDRD) to Chronic Kidney Disease Epidemiology Collaboration (CKD-EPI) Equation has a Minimal Impact on Staging in an Established Population of Kidney Transplant Patients. Canadian Society of Internal Medicine Annual Meeting, Toronto, Canada October 2013.
39. Paul D. Sanders, Klaudia Barbara Jumaa, David C. Holland, Ben Mussari. Comparison of Glomerular Yield and Complication Rates between Nephrology Performed and Radiology Performed Percutaneous Renal Biopsy, American Society of Nephrology, 2013
40. Song L, Shamseddin K, Holland D, Iliescu E. . Application of the KDIGO Guidelines for Chronic Kidney Disease (CKD) Staging has a Significant Impact on Risk Stratification in an Established Population of Kidney Transplant Patients. Canadian Society of Transplantation, February 2014

## **Publications**

### **Thesis:**

David C. Holland. A retrospective cohort study examining predictors of hospitalization and death among pre-dialysis patients. Queen's University, August, 1998.



**Peer reviewed:**

1. David C. Holland and Miu Lam. Predictors of hospitalization and death among pre-dialysis patients: a retrospective cohort study. *Nephrology, Dialysis, Transplantation*. 15(5):650 – 658, 2000.
2. David C. Holland and Miu Lam. Predictors of sub-optimal dialysis initiation. *Scandinavian Journal of Urology and Nephrology*. 34(6): 341-347, 2000.
3. David C. Holland and Miu Lam. Predictors of early versus late referral among a retrospective cohort of pre-dialysis patients. *Dialysis and Transplantation*. 29(9): 526-534, 2000.
4. Chronic Renal Insufficiency Program Guidelines: Report of the Chronic Renal Insufficiency Program Working Group. Ministry of Health and Long-term Care, Queen's Park, May 2000 (peer reviewed prior to publication).
5. A. Upton, D. Hebert, D. Moort, S. Wasfy and the Canadian PTLD Survey Group. Epstein-Barr virus-related post-transplant lymphoproliferative disease in solid organ transplant recipients – 1988-1997: A Canadian multicentre experience. *Pediatr Transplant*. 2001 Jun; 5(3): 198-203.
6. David C. Holland, Carol Meers, Marilyn Lawlor, and Miu Lam. Serial prealbumin values as predictors of outcome in a prevalent cohort of peritoneal and hemodialysis patients. *Journal of Renal Nutrition*. 11(3): 129-138, 2001.
7. Mark Goldszmidt, Miu Lam and David C. Holland. Teaching internal medicine residents critical appraisal through a classic literature based journal club. *Annals Royal Coll Phy Surg*. 35(1): 37-43, 2002.
8. Christine A. White, Rachel M. Pilkey, Miu Lam, and David C. Holland. Pre-dialysis clinic attendance improves quality of life among hemodialysis patients. *BMC Nephrology*, 2002, 3:3.
9. Mohammed F. Shamji and David C. Holland. Diffuse B-Cell lymphoma and profound diuresis: intracranial disease and coexistent diabetes insipidus and cerebral salt wasting. Lilian Zbar Essay Competition, Queen's University, 2003.
10. Eduard A. Iliescu, Karen E. Yeates, David C. Holland. Quality of sleep in patients with progressive renal insufficiency. *Nephrol Dial Transplant*. 19: 95-99, 2004.
11. Levin A, Djurdjev O, Thompson C, Barrett B, Ethier J, Carlisle E, Barre P, Magner P, Muirhead, N., Tobe, S, Tam P, Wadgymar, Kappel J, Holland D, Pichette V, Shoker, A, Soltys, G, Singer, J. Canadian randomized trial of hemoglobin maintenance to prevent or delay left ventricular mass growth in subjects with chronic kidney disease. *Am J Kidney Dis*. 46 (5): 799-811, 2005.

12. Tascona D, Morton R, Toffelmire EB, Holland DC, Ilescu EA. Adequacy of glycemic control in hemodialysis patients with diabetes. *Diabetes Care*. 29: 10, 2006.
14. Holden RM, Harman GJ, Wang M, Holland D and Day AG, Major bleeding in hemodialysis patients. 2008. *Clinical Journal of the American Society of Nephrology*, 3, 105-110.
15. Yeates K, Wiebe N, Gill J, Sima C, Scaubel D, Holland D, Hemmelgarn B, Tonelli M. Similar Outcomes Among Black and White Renal Allograft Recipients 2009. *Journal of the American Society of Nephrology*, 20(1): 172-179.
16. Knoll GA, Cantarovich M, Cole E, Gill J, Gourishankar S, Holland D, Kiberd B, Muirhead N, Prasad R, Tibbles LA, Treleaven D, Fergusson D, The Canadian ACE-inhibitor Trial to Improve Renal Outcomes and Patient Survival in Kidney Transplantation Study Design, 2008. *Nephrology, Dialysis, Transplantation* 23(1), 354-358.
17. Robert M. Lindsay, Janet Hux, David Holland, Steven Nadler, Robert Richardson, Charmaine Lok, Louise Moist, and David Churchill. An Investigation of Satellite Hemodialysis Fallbacks in the Province of Ontario, 2008. *Clinical Journal of the American Society of Nephrology* 4(3): 603-608.
18. Qun Miao, Ying Jiang, Miu Lam, Anne-Marie Ugnat, David Holland. A Survival Comparison Between Patients With End Stage Renal Disease Undergoing Hemodialysis and Peritoneal Dialysis in Canada, 2011. *Canadian Journal of Epidemiology and Biostatistics*, (1), 19-27.
19. Paul D. Sanders, Klaudia Barbara Jumaa, David C. Holland, Ben Mussari. Comparison of Glomerular Yield and Complication Rates Between Nephrologist-Performed and Interventional Radiologist-Performed Percutaneous Renal Biopsy. *Journal of Ultrasound in Medicine* 2014 (submitted)

**Non-peer reviewed:**

1. David C. Holland. An approach to Hematuria. *Patient Care*. 11(7):31-32, 2000.
2. What's Your Diagnosis? *Can J Diagnosis*, Shamji M and Holland D. Feb 2004; 37-41.
3. Investigation of Satellite Dialysis Fallback in Ontario – A Report to the Ministry of Health and Long-term Care, the Government of Ontario. Robert M. Lindsay and the Satellite Dialysis Study Group (Dr. Jan Hux, ICES; Dr. David Churchill, Hamilton; Dr. David Holland, Kingston; Dr. Steve Nadler, Ottawa; Dr. Robert Richardson, Toronto).

## **Research grants**

Double blind study to assess the impact of normalization of hemoglobin compared to partial correction of hemoglobin with EPREX/ERYPO erythropoietin in early hemodialysis patients. Site PI Sponsor: Janssen-Ortho Inc. (\$119, 920)

PRI/EPO-CAN-10: A study to determine the impact of hemoglobin maintenance and other interventional strategies to prevent or delay the progression of left ventricular mass growth in subjects with early renal failure. Site PI Sponsor: Janssen-Ortho Inc. (\$69, 000)

A randomized study comparing the efficacy of once weekly versus three times weekly administration of intravenous (IV) novel erythropoiesis stimulating protein (NESP) to subjects with end-stage renal disease (ESRD) receiving hemodialysis (NESP 990773) Sponsor: Amgen Inc. Site co-investigator (\$249, 600)

Open multicentre study to evaluate the proportion of hemodialysis patients maintaining constant hemoglobin values when switching from 2X or 3X weekly intravenous or subcutaneous application to once weekly application of epoetin alfa. Sponsor: Janssen-Ortho Inc. Site PI (\$32, 000)

Investigation of Satellite Dialysis Fallback in Ontario. Sponsor: Ministry of Health and Long-Term Care. Site PI (\$25, 000)

Prospective Randomized Controlled Trial Comparing the Efficacy of Intradialytic Parenteral Nutritional Supplements to Oral Nutritional Supplements Administered in a Prevalent Cohort of Malnourished Hemodialysis Patients. Sponsor: Advisory Research Committee, Queen's University. (\$4 123)

A two-year extension study to determine the impact of hemoglobin maintenance and other interventional strategies to prevent or delay the progression of left ventricular mass growth in subjects with early renal failure. Site PI Sponsor: Janssen-Ortho Inc. (approx. \$40 000)

A prospective, multicentre observational study of risk factors for cardiovascular disease: screening, diagnosis, treatment, and outcomes in Ontario renal transplant patients. Site PI Sponsor: Fujisawa Canada Inc. Site PI (\$35 550)

EPO-IMU-401: Active Safety Surveillance Plan to Prospectively Monitor the Incidence of Pure Red Cell Aplasia (PRCA) in Patients Receiving Epoetin Alfa Therapy. Sponsor: Ortho Biotech (\$35, 000)

EPO-IMU-402: An active safety surveillance plan to conduct serologic testing for anti-erythropoietin antibodies and prospectively monitor the incidence of Pure Red Cell Aplasia (PRCA) in patients receiving epoetin-alfa therapy. Sponsor: Ortho Biotech (\$50, 000)

A Study of the Efficacy and Safety of Venofer® (Iron Sucrose Injection) in Anemic Patients Receiving Peritoneal Dialysis. Sponsor: Luitpold Pharmaceuticals, Inc. (\$28 000)

Collaborator: Angiotensin Blockade in Renal Transplantation  
(PI: Dr. Gregg Knoll, University of Ottawa)  
Sponsor: CIHR (\$75 000 local) - ongoing

QUIPPED (Queen's University Inter-professional Patient-centered Education Direction)  
Sponsor: Health Canada (\$1.2 million)

Co-Investigator: The Accurate Measurement of Glomerular Filtration Rate in Patients with  
Kidney Disease  
Sponsor: Canadian Health Research Institute (\$253,504) - ongoing

### **Graduate Student Supervision**

2005 Dr. Qun Miao (MSc, Community Health and Epidemiology)

### **Postgraduate Resident Research Supervision**

1995 Dr. Sameena Iqbal  
1999 Dr. Mark Goldszmidt  
2001 Dr. Derek Benjamin  
2001 Dr. Christine White  
2001 Dr. Rachael Pilkey  
2001 Dr. Susan Cooper  
2012 Dr. Paul Saunders  
2014 Dr. Matthew Woo

### **Undergraduate Medical Students Research Supervision**

2001 Monika Madan  
2003 Mohammed F. Shamji  
2012 Klaudia Barbara Jumaa

### **Other Research Activities**

2000 – 2004 Queen's University and Affiliated Teaching Hospitals Health Sciences  
Human Research Ethics Board, member

### **Invited Works, Presentations, and Other Scholarly Works**

1995 "Dialysis: Past, Present, and Future"  
Kidney Foundation of Canada, Kingston Chapter

- 1996 “Transplantation in the 1990’s”  
Kidney Foundation of Canada, Kingston Chapter
- 1996 “Your Options for the Future”  
Provincial Patient Symposium, Kidney Foundation of Canada
- 1996 “Transplantation in the 21<sup>st</sup> Century”  
Later Life Learning Series
- 1996 “What Should the Family Physician Know About the Care of the  
Immunosuppressed Transplant Patient”  
Continuing Medical Education, Queen’s University
- 1997 “ACE Inhibition: Good or Bad for the Kidney?”  
Continuing Medical Education, Queen’s University
- 1997 “Microscopic Hematuria: Before the Cystoscope”  
Continuing Medical Education, Queen’s University
- 1998 “Transplantation Issues”  
Nephrology Nurses Certification Workshop
- 1999 “Hematuria”  
Continuing Medical Education, Queen’s University
- 2000 “Transplantation: Micro-issues of Rationing”  
Bioethics Rounds, Kingston General Hospital
- 2001 “Cardiovascular Effects of Anemia in CRF”  
CANNT Conference, Ottawa
- 2004 AMS/COFM Conference  
Presentation: Development of an Inter-professional Medical Curricula
- 2004 Chairperson and Organizer: Family Medicine Workshop - Incorporating Family  
Medicine Learning Objectives into the Undergraduate Medical Curriculum
- 2004 “The Future of Medical Education”  
Queen’s University Medical School, Alumni Weekend
- 2004 “A Clinical Approach to Common Nephrology Problems  
Weeneebayko General Hospital
- 2005 RCPSC Workshop: “Litigate or Not - Justifiably Failing a Learner and Not Losing  
on Appeal”, Vancouver, BC.

- 2005 “Implementation of the New LCME/CACMS Accreditation Standards”  
Medical Education Rounds  
Queen’s Faculty of Health Sciences
  
- 2006 Principles of Administrative Law and Natural Justice in the Assessment of Student  
Performance  
Ontario Medical Education Rounds
  
- 2006 Invited Lecture: Developing Common Objectives and Standards for Surgical  
Clerkships  
Canadian Undergraduate Surgical Education Conference  
Banff, AB.
  
- 2006 Report of the Curricular Renewal Task Force  
Queen’s University School of Medicine
  
- 2006 AFMC Workshop: “Litigation, Remediation, and Mentoring”  
London, ON.
  
- 2007 Invited Lecture: The Difficult Learner  
Annual Meeting, Royal College of Physicians and Surgeons of Canada
  
- 2012 Presentation: Kidney Transplantation  
Kingston Chapter of the Kidney Foundation of Canada

**Activities: Hospital Administration**

- 1993 – 2010            End-Stage Renal Disease Joint Practice Committee
  
- 1993 – Present        Director of Renal Transplantation  
Kingston General Hospital
  
- 1994 – 2002           Organ Procurement and Transplantation Joint  
Practice Committee (member)
  
- 1998 – 2002           Co-chairperson  
Organ Procurement and Transplantation Joint Practice Committee
  
- 1995 – 1999           Space Planning Committee  
Kingston General Hospital
  
- 1998 – 2002           Bioethics Committee  
Kingston General Hospital

1998 – 1999	Order Communication Committee Kingston General Hospital
1998 – 1999	Code of Ethics Working Group Bioethics Committee Kingston General Hospital
1999	Renal Transplantation Ad hoc Operational Review Committee Kingston General Hospital
1999	Ad hoc Working Group: Guidelines for Organ Donation for Non-ICU Non-Ventilated Patients Kingston General Hospital
2002 – 2003	Ad hoc Working Group: Renal Transplantation Kingston General Hospital
2004 – 2006	Chairperson: KGH Organ and Tissue Transplantation Committee
2010 – Present	Combined KGH Organ and Tissue Donation and Transplantation Committee (member)

**Activities: Queen's University**

1994 – 1995	Medical Mortality Committee Department of Medicine
1999	Nephrology Search Committee Department of Medicine
1996 – 2000	Presenter: Annual Nephrology Half Day CME
2000 – 2004	Research Ethics Board Queen's University
2001	Nephrology Search Committee Department of Medicine
2001 – 2010	Resource Impact Committee Department of Medicine
2002 - 2003	Divisional Affairs Committee Department of Medicine

2002 – 2003	Nephrology Search Committee Department of Medicine
2002 – 2003	Internal Medicine Unit Policy and Planning Ad hoc Committee
2003	Cardiology Search Committee Department of Medicine
2003	Liaison Committee Departments of Emergency Medicine & Medicine
2003	IMU Ad hoc Committee Department of Medicine
2004	Nephrology Search Committee Department of Medicine
2004	Department of Family Medicine Postgraduate Accreditation Internal Review Committee
2012 – Present	Resource Impact Committee Department of Medicine

**Activities: Community**

1993 – 2002	Regional Transplantation Medical Director Southeastern Ontario Multiple Organ Retrieval and Exchange Program of Ontario (MORE)
1996 – 2002	Regional Transplant Directors' Advisory Committee Multiple Organ Retrieval and Exchange Program of Ontario (MORE)
1996 – 2002	Kidney Transplantation Advisory Committee Multiple Organ Retrieval and Exchange Program of Ontario (MORE)
1996 – 2002	Consultant Standards and Guidelines Committee Multiple Organ Retrieval and Exchange Program of Ontario (MORE)



1999 – 2000	Chronic Renal Insufficiency Program Working Group Premier’s Advisory Committee Ministry of Health and Long-Term Care
2000	Consultant Premier’s Advisory Board on Organ and Tissue Donation Ministry of Health and Long-Term Care
2005 – 2010	Kidney Transplantation Advisory Committee Trillium Gift of Life Network
2006	Participant: Organ Allocation in Canada Forum Canadian Council for Donation and Transplantation
2010	Member, Steering Committee Ontario Renal Network (ORN) Southeastern Ontario
2010	Ontario Renal Network Member, Kidney Transplant Working Group Southeastern Ontario
2012 – Present	Member, Trillium Gift of Life Steering Committee

**Activities: Teaching - Administration**

1996 – 2004	Chairperson Genitourinary Block (Phase II C) Undergraduate Medical Curriculum
1997 – 2003	Residency Training Committee Department of Medicine
1997 – 2003	Coordinator Internal medicine CORE lecture series Department of Medicine
2001 – 2002	Assistant Program Director Internal Medicine Residency Program Department of Medicine
2002 – 2003	Acting Program Director Internal Medicine Residency Training Program Department of Medicine

1999	Internal Medicine Residents' Academic Half Day Faculty Coordinator "Withdrawal of Life-support Care"
2000	Internal Medicine Residents' Academic Half Day Faculty Coordinator "Medical Issues in Obstetrics"
1999	Internal Medicine Residents' Academic Half Day Faculty Coordinator "Quality of Care"
2000	Internal Medicine Residents' Academic Half Day Faculty Coordinator "Patient Partners in Arthritis Workshop"
1999 – 2005	Nephrology Subspecialty Resident Training Committee
2003 – 2006	Assistant Dean, Undergraduate Medical Education
2003 – 2006	Progress and Promotions Committee, chair
2003 – 2006	Curricular Renewal Task Force, chair
2003 – 2006	Medical Education Advisory Committee, member
2003 – 2006	Medical Education Executive Committee, member
2003 – 2006	Professionalism Working Group, member Queen's University School of Medicine
2003 – 2006	Student Accommodation and Disability Committee, chair Queen's University School of Medicine
2003 – 2006	International Health Working Group, chair Queen's University School of Medicine
2003 – 2006	Student Mentorship Committee, co-chair Queen's University School of Medicine
2003 – 2006	Council of Ontario Faculties of Medicine Undergraduate Committee (member)

### **Activities: Teaching – Undergraduate Medical Education**

1994 – Present	Lecturer Genitourinary Block/Renal Block Undergraduate Medical Curriculum
1994 – 2003	Genitourinary Block Coordinator
1994 – 1998	Clinical Skills (Phase II) Undergraduate Medical Curriculum
1997 – 2010	Tutorial Leader Problem Based Learning Undergraduate Medical Curriculum
1997 – 1998, 2003 – 2004, 2006	Expanded Clinical Skills (Phase IIC) Undergraduate Medical Curriculum
2002 – 2007	Invited Lecture: Annual LMCC Clerkship Consolidation Lecture Series
1997 – 2003	Lecturer: School of Nursing Chronic renal failure
1996	Clinical Clerkship Bedside Teaching Program
1996 – Present	Undergraduate Observership Program
1996	Mentor Program Undergraduate Medicine
1993 – Present	OSCE Examiner
2010 – Present	Course Director Renal Course UGME
2010 - Present	Clinical Skills Preceptor Year 2
2010 - Present	Clinical Skills Preceptor Year 3

### **Activities: Teaching - Postgraduate Medical Education**

IMU-C and Nephrology Weekly Teaching Conference	1993 - 2003
Medical Mortality and Morbidity Rounds	annual
Medical Grand Rounds	

Internal Medicine CORE lecture series Sept 1996 - 2000

Intensive Care Unit Resident Seminar  
Brain Death and Organ Donation January 1998

Internal Medicine Resident Professors' Rounds 2000 - 2001

Internal Medicine Resident Summer Lecture Series

Nephrology Fellow Rounds

Royal College Mock Oral Examiner  
Queen's University Department of Medicine

**Professional Development**

2005 Harvard Macy Institute Program for Leaders in Healthcare Education