

Denise C. Babineau

- CONTACT INFORMATION** Case Western Reserve University
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USA E-mail: dcb51@case.edu
- EDUCATION** **University of Waterloo**, Waterloo, Ontario, Canada
Ph.D., Statistics, April 2005
- Dissertation Topic: Goodness of fit tests for event history models when responses are interval censored
 - Advisor: Dr. Jerald F. Lawless
- Simon Fraser University**, Burnaby, British Columbia, Canada
M.Sc., Statistics, August 2000
- Project Topic: Estimating the population size of razor clams using a model assisted sampling design and analysis
 - Advisor: Dr. Carl J. Schwarz
- University of Waterloo**, Waterloo, Ontario, Canada
B.Math., Honors Statistics - Co-op Program (Dean's Honors List), April 1998
- ACADEMIC EXPERIENCE** **Case Western Reserve University**, Cleveland, Ohio, USA
Assistant Professor and Associate Director of the Statistical Sciences Core, Center for Clinical Investigation **January 2008 to present**
- Collaborative research with physician investigators, including development and planning of protocols and grant applications, data management, implementation and conduct of studies, and statistical analysis and publication of research results
 - Mentor and teach physician investigators, junior statisticians, and graduate students in biostatistics in the design and analysis of clinical research studies
- Cleveland Clinic**, Cleveland, Ohio, USA
Assistant Staff, Quantitative Health Sciences **August 2005 to December 2007**
- Collaborative research with physician investigators in the Glickman Urological Institute and Biomedical Engineering, development and planning of protocols and grants, data management, implementation and conduct of studies, and analysis and publication of research results
 - Methodological and applied research using interval censored survival data with applications to cancer recurrence
- TEACHING** **Case Western Reserve University School of Medicine**
Instructor: Logistic and Survival Regression; January - April 2008 and 2009.
Co-ordinator: Structural Equation Modeling Self Study Group; May - July 2008.
- Cleveland Clinic Lerner College of Medicine of Case Western Reserve University**
Seminar Instructor: Introduction to Survival Analysis; November 2007.
Substitute Instructor: Statistical Science for Medical Research; October 2007.
Mock NIH Reviewer: Introduction to Clinical Research and Scientific Writing; February 2006.
- University of Waterloo**
Teaching Assistant: Courses in experimental design, generalized linear models, and mathematical statistics; September 2002 to April 2005.
- Simon Fraser University**
Teaching Assistant: Introductory calculus courses; January 1999 to April 2000.

HONORS AND
AWARDS

International Biometric Society, ENAR

Workshop for Junior Investigators; March 2008.

University of Waterloo, Waterloo, Ontario, Canada

Statistics and Actuarial Science Chair's Award; 2005.

Graduate Scholarship; 2004.

GlaxoSmithKline Pharmaceutical Industry Scholarship; 2003–2004.

Statistics and Actuarial Science TA Award; 2003.

J. Alan George Student Leadership Award; 2001.

Provost's/Faculty of Mathematics Scholarship; 2000–2003.

NSERC Post Graduate Scholarship B; 2000–2002.

Doris Dixon Award; 1998.

R.A. Wentzell Memorial Award; 1997.

Canada Scholarship for Science and Technology; 1993–1998.

Simon Fraser University, Burnaby, British Columbia, Canada

Seaman Morley Scott Memorial Graduate Scholarship; 1999.

NSERC Post Graduate Scholarship A; 1998–2000.

PUBLICATIONS

Lane BR, Li H, Zhou M, **Babineau D**, Faber P, Novick AC, Williams BR. Differential expression in clear cell renal cell carcinoma identified by gene expression profiling. *Journal of Urology*. 2009 Feb; 181(2):849-860.

Patel AR, Jones JS, **Babineau D**. Impact of real-time visualization of cystoscopy findings on procedural pain in female patients. *Journal of Endourology*. 2008 Dec; 22(2):2695-2698.

Lane BR, **Babineau D**, Poggio ED, Weight CJ, Larson BT, Gill IS, Novick AC. Factors predicting renal functional outcome after partial nephrectomy. *Journal of Urology*. 2008 Dec; 180(6):2363-2368.

Nguyen CT, **Babineau DC**, Jones JS. Impact of urologic resident training on patient pain and morbidity associated with office-based cystoscopy. *Urology*. 2008 May; 71(5):782-786.

Lane BR, Novick AC, **Babineau D**, Fergany AF, Kaouk JH, Gill IS. Comparison of laparoscopic and open partial nephrectomy for tumor in a solitary kidney. *Journal of Urology*. 2008 March; 179(3):847-851.

Patel AR, Jones JS, **Babineau D**. Lidocaine 2% gel versus plain gel for pain reduction during flexible cystoscopy: A meta analysis of prospective randomized controlled trials. *Journal of Urology*. 2008 March; 179(3):986-990.

Babineau D, Kattan MW. Clinical trials and their principles. *Urological Oncology*. Edited by Nargund VH, Raghavan D, Sandler H. Springer. 2007 December; 634pp.

Babineau D, Kattan MW. Assessment of treatment strategies in prostate cancer using risk stratification and prediction of clinical outcomes. *Prostate Cancer (Therapeutic Strategies)*. Edited by Feneley M, Payne H. Clinical Publishing. 2007 October; 288pp.

Babineau D, Kattan MW. Calculating prostate cancer risk: The new paradigm in prostate cancer screening. *Contemporary Urology*. 2007 September; 19(9):24-31.

Wood HM, **Babineau D**, Gearhart J. In-vitro fertilization and the Cloacal-Bladder Exstrophy-Epispadias Complex: A continuing association. *Journal of Pediatric Urology*. 2007 August; 3(4):305-310.

Lane BR, **Babineau D**, Kattan MW, Novick AC, Gill IS, Zhou M, Weight CJ, Campbell SC. A preoperative prognostic nomogram for solid enhancing renal tumors 7 cm or less amenable to partial nephrectomy. *Journal of Urology*. 2007 August; 178(2):429-434.

Gill IS, Kavoussi LR, Lane BR, Blute MS, **Babineau D**, Colombo JR, Frank I,

Permpongkosol S, Weight CJ, Kattan MW, Novick AC. Comparison of 1800 laparoscopic and open partial nephrectomies for single renal tumors. *Journal of Urology*. 2007 July; 178(1):41-46.

Dhar NB, Jones JS, Bhatt A, **Babineau D**. A prospective evaluation of the impact of scheduled follow-up appointments with compliance rates after vasectomy. *BJU International*. 2007 May; 99(5):1094-1097.

Patel AR, Jones JS, Angie S, **Babineau D**. Office-based flexible cystoscopy may be less painful in men allowed to view the procedure. *Journal of Urology*. 2007 May; 177(5):1843-1845.

Flechner SM, Goldfarb D, Solez K, Modlin CS, Mastroianni B, Savas K, **Babineau D**, Kurian S, Salomon D, Novick AC, Cook DJ. Kidney transplantation with sirolimus and mycophenolate mofetil-based immunosuppression: 5-year results of a randomized prospective trial compared to calcineurin inhibitor drugs. *Transplantation*. 2007 April; 83(7):883-892.

Berglund RK, Gill IS, **Babineau D**, Desai M, Kaouk JH. Prospective comparison of transperitoneal versus retroperitoneal laparoscopic nephrectomy in the extremely obese patient. *BJU International*. 2007 April; 99(4):871-874.

Yoder BJ, Skacel M, Hedgepeth R, **Babineau D**, Brainard JA, Ulchaker JC, Tubbs R, Liou LS, Jones JS, Biscotti CV. Reflex UroVysion testing of bladder cancer surveillance patients with equivocal or negative urine cytology: A prospective study with focus on the natural history of anticipatory positive findings. *American Journal of Clinical Pathology*. 2007 February; 127(2):1-7.

Lawless JF and **Babineau D**. Models for interval censoring and simulation based inference for lifetime distributions. *Biometrika*. 2006 September; 93(3):671-686.

Daneshgari F, Moore C, Frinjari H, **Babineau D**. Patient related risk factors for recurrent stress urinary incontinence in women treated at a tertiary care center. *Journal of Urology*. 2006 October; 176(4):1493-1499.

Reeve BK, Cook DJ, **Babineau D**, Scholes LC, Buckley DN. Prophylactic Diclectin reduces the incidence of postoperative vomiting. *Canadian Journal of Anesthesia*. 2005 January; 52(1):55-61.

PRESENTATIONS AND POSTERS

Invited

Show the data! Improving statistical graphics in presentations and publications. Joint presentation with Ralph O'Brien. CCI Seminar Series, Case Western Reserve University, Cleveland, Ohio, USA; June 2008.

Analysis of interval censored data. The 2007 Annual Case Western Reserve University, Cleveland Clinic, and Ohio State University Joint Biostatistics Symposium, Cleveland, Ohio, USA; May 2007.

Goodness of fit tests for general interval censored data. Department of Quantitative Health Sciences, Cleveland Clinic, Cleveland, Ohio, USA; March 2005.

Goodness of fit tests for general interval censored data. Department of Clinical Epidemiology and Biostatistics, McMaster University, Hamilton, Ontario, Canada; March 2005.

Diagnostics for interval censored data. GlaxoSmithKline, Oakville, Ontario, Canada; June 2004.

Contributed

A Pearson goodness of fit test for interval censored data. Eastern North American Region / International Biometric Society Conference, Austin, Texas, USA; March

2005.

Goodness of fit tests for general interval censored data. Statistical Society of Canada Conference, Montreal, Quebec, Canada; May 2004.

Goodness of fit tests for current status data. Joint Statistical Meetings, San Francisco, California, USA; August 2003.

Estimating the population size of razor clams using a model assisted sampling design and analysis. Poster. Statistical Society of Canada Conference, Ottawa, Ontario, Canada; June 2000.

Determination of power and sample size for aquaculture experiments. Joint Statistical Meetings, Baltimore, Maryland, USA; August 1999.

SERVICE

Referee: Canadian Journal of Statistics, Biometrics, Journal of Urology, and Journal of Clinical Oncology.

Reviewer: NIDDK grant applications; November 2006, April 2007, July 2008.

Chair: Promotions and Appointments Committee, Quantitative Health Sciences, Cleveland Clinic; January 2006–December 2007.

Chair: Southern Ontario Statistics Graduate Student Seminar Day Committee; May 2001.

**PROFESSIONAL
AFFILIATIONS**

Eastern North American Region / International Biometric Society; 2006–present.

American Statistical Society; 2005–present.

Statistical Society of Canada; 2004–present.

COMPUTER SKILLS

Statistical packages: R/S-Plus, SAS, SPSS, Systat, JMP, NCSS PASS, AMOS

Other software packages: ArcGIS, nQuery Advisor

Applications: L^AT_EX, Microsoft Office

Operating systems: Unix, Microsoft Windows