

RICK CHAPPELL, Ph.D.
Curriculum Vitae — October, 2019

Professor,
Department of Biostatistics and Medical Informatics
The University of Wisconsin Madison Medical School
600 Highland Avenue, K6/430
Madison, WI 53792
(608) 263-5572, FAX (608) 263-1059
chappell@stat.wisc.edu

Home:
1225 Sweetbriar Lane
Madison, WI 53705
(608) 233-3664

PERSONAL

Born: June 5, 1959
Citizenship: U.S.

EDUCATION

The University of Chicago, Chicago, IL

1988: M.S. in statistics. Thesis topic: *Fitting bent lines to data with an application to allometry.*

1990: Ph.D. in statistics. Thesis topic: *Analysis and collection of interval censored truncated data.* Advisors: Wing Hung Wong and Paul Meier.

The University of Texas at Austin

1983: B.Sc. in mathematics, specializing in statistics with a minor in geology.

RESEARCH INTERESTS

Analysis and design of clinical trials, modeling long term effects of cancer radio- and chemotherapy, models in radiation physics, bivariate and nonparametric survival analysis.

ACADEMIC POSITIONS

1990 - 1997, Assistant Professor; 1997 - 2002, Associate Professor; and 2002 - current, Full Professor in the Department of Statistics and the Department of Biostatistics and Medical Informatics, University of Wisconsin at Madison. Member of the University of Wisconsin Comprehensive Cancer Center.

2003 - present, trainer for research methodology of Department of Human Oncology residents

1997 - present, member of the Faculty of the Population Health M.S./Ph.D. Program, Department of Preventive Medicine, University of Wisconsin Medical School.

1/98 - 6/98, Visiting Scholar at the European Organization for Research and Treatment of Cancer Data Center in Brussels, Belgium.

3/98 - 6/98, Visiting Professor at the Limburgs University Centre Biostatistics Program, Diepenbeek, Belgium.

HONORS

Member, U.S. Food and Drug Administration's Ophthalmologic Devices Advisory Committee, 2015-2017.

2015 AbbVie Dave Jordan Statistics Visiting Scholar.

Fellow of the Society for Clinical Trials, awarded 2014.

President-elect (2009-10), President (2011-12), and Past-president (2012-2013), Society for Clinical Trials.

Fellow of the American Statistical Association, awarded 2006.

Member, U.S. Food and Drug Administration's Cellular Tissue and Gene Therapy Advisory Committee, 2008-2010.

Consultant to the FDA's Pediatric Advisory Committee, Office of Pediatric Therapeutics (9/2011 - 2015).

Consultant to the FDA's General and Plastic Surgery Devices Panel of their Medical Devices Advisory Committee (6/2011 - 2013).

2005 Overseas Scholar, Hong Kong Hospital Authority, Hong Kong SAR, China.

Elected to Board of Directors, Society for Clinical Trials, 2005-2008.

1990 *Statistics in Medicine* Young Investigator's Award.

First place, 1990 Society for Clinical Trials student's competition.

A 5 to 21 year follow-up and analysis of 250 patients with rectal adenocarcinoma selected for inclusion in the 1988 *Yearbook of Surgery*.

Erdos Number: 4.

DATA SAFETY MONITORING BOARDS

10/2018 -

Member, DSMB for AXS-05-AD-301, an AXSOME pharmaceutical trial to Assess the Efficacy and Safety of AXS-05 for the Treatment of Agitation in Subjects with Dementia of the Alzheimer's Type.

7/2018 -

Member, DSMB for TRUST, an NIH-sponsored trial on intravitreal autologous bone marrow stem cell therapy for retinal vein occlusion.

1/2018 -

Member DSMB for TAK-954-2002, a randomized trial of intravenous TAK-954 in critically ill patients with enteral feeding intolerance.

6/2017 - 3/18

Member, DSMB for CREATE-1, an AXSOME pharmaceutical trial on an agent to relieve complex regional pain.

6/2017 - 3/18

Member, DSMB for COAST, an AXSOME pharmaceutical trial on an agent to relieve bone pain.

1/2017 - 10/2018:

Member, DSMB for "UNITY-CLL", a TG Therapeutics, Inc. trial of UTX-TGR-304 in chronic lymphocytic lymphoma.

12/2015 - 2017:

Member, DSMB for "Wearable Cardioverter Defibrillator in Hemodialysis Patients (WED-HED) study", sponsored by ZOLL Medical Corporation.

1/2015 - 2016:

Member, DSMB for a trial of ublituximab in B-cell lymphomas, sponsored by TG Therapeutics.

12/2014 - 2016:

Member, DSMB for "Personalized Vitamin D Supplementation in European and African Americans", a randomized clinical trial conducted at the University of Wisconsin by Corinne Engelman.

11/2014 - 2017:

Member, DSMB for "CONTRAST: CONventional vs. Tumor Recurrence Adapted Specification of Target dose", a randomized clinical trial of radiation in squamous cell carcinoma of the head and neck conducted at the Rigshospitalet, Copenhagen, Denmark.

4/2014 - 4/2018:

Member, DSMB for "Safety, Tolerability, and Efficacy Assessment of Isradipine for PD (STEADY-PD) III", a randomized clinical trial for the treatment of Parkinson's Disease sponsored by the National Institute of Neurological Disorders and Stroke.

9/2012 - 12/2018:

Member, DSMB for the University of Wisconsin Chemoprevention Consortium.

11/2010 - 3/2012:

Member, DSMB for PR-018, "A Multicenter, Randomized, Open-Label, Crossover Study to EA Multicenter, Open-Label, Safety Extension of Eurand Study PR-011 titled: A Multicenter, Randomized, Open-Label, Crossover Study to Evaluate the Mode of Administration and Safety of EUR-1008 in Infants 1 to 12 Months of Age with Exocrine Pancreatic Insufficiency (EPI) Associated with Cystic Fibrosis (CF)", conducted by the Eurand Corp.

12/2009 - :

Member, DSMB for "CSP 468F: A Followup Comparison of Best Medical Therapy and Deep Brain Stimulation of Subthalamic Nucleus and Globus Pallidus for the Treatment of Parkinson's Disease" trial of the US Veterans' Administration.

9/2009 - 8/2011:

Member, joint DSMB for the U.S. National Institute of Allergy and Infectious Diseases program on AIDS prevention.

5/2009 - 3/2012:

Member, DSMB for PR-011, "A Multi-center Randomized, Open-Label, Parallel Group, Study to Evaluate the Mode of Administration and Safety of ZENPEP, in Infants 1 to 12 Months of Age with Exocrine Pancreatic Insufficiency (EPI) Associated with Cystic Fibrosis (CF)", conducted by the the Eurand Corp.

12/2008 -

Member, DSMB for the "Testosterone Trial", a series of clinical trials on the administration of testosterone to elderly men sponsored by the National Institute of Aging.

8/2008 - 9/2010:

Member, DSMB for "A Randomized, Double-Blind, Placebo Controlled, Multi-Center, Phase 2b Study to Evaluate the Safety and Efficacy of Pyridorin (pyridoxamine dihydrochloride) in Patients with Nephropathy Due to Type 2 Diabetes, PYR-210", conducted by NephroGenex, Inc.

11/2008 - 10/2009:

Member, DSMB for APLIED, "A Randomized, Double Blind, Placebo Controlled Study to Assess the Efficacy and Safety of Three Doses of Aplindore MR (1, 3, and 6 mg Twice Daily) in Patients with Early Parkinson Disease; Aplindore Study No. 211", conducted by the Neurogen Corp.

10/2007 - 1/2012:

Member, DSMB for two studies, a phase I/II and a randomized phase III trial, of brivanib in metastatic cancer conducted by Bristol-Myers Squibb Co.

8/2006 - 9/2013:

Member, DSMB for the "Bracing in Adolescent Idiopathic Scoliosis (BrAIST)" study, sponsored by the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS).

4/2006 - 3/2008:

Member, DSMB for two randomized clinical trials investigating sulodexide in diabetic nephropathy conducted by Keryx Pharmaceuticals.

12/2005 - 2/2012:

Member, DSMB for the "C-PORT Elective PCI" Trial, a randomized clinical trial of angioplasty location conducted by Johns Hopkins University.

4/2005 - 8/2009:

Member, DSMB for the "Physician Echinacea Placebo" Trial, a U.S. National Center for Complementary and Alternative Medicine funded study on echinacea and cold symptoms.

5/2005 - 6/2008

Member, DSMB for "Phase 2b DFMO Chemoprevention of Skin Cancers in Organ Transplant Recipients", conducted at the University of Wisconsin.

5/2004 - 1/2005:

Member, DSMB for "A Double-Blind, Randomized, Vehicle-Controlled Study Comparing the Safety and Efficacy of Benzydamine HCl Oral Rinse In Subjects with Radiation-Induced Oral Mucositis" of McNeil Pharmaceuticals.

3/2004 - :

Member and chair, DSMB for "Treatment of Hypovitaminosis D in Rheumatoid Arthritis", a randomized clinical trial conducted at the University of Wisconsin.

12/2002 - 5/2006:

Member, DSMB for "Nonablative AlloSCT in Refractory Autoimmune Diseases" a randomized controlled clinical trial conducted at Columbia University.

10/2002 - 7/2008:

Member, DSMB for a multitrial project entitled "Transcription and Therapy for Huntington's Disease" conducted by the National Institute of Neurological Disorders and Stroke.

12/2001 - 12/2010:

Member, DSMB for the Congenital Toxoplasmosis Intervention Trial of the University of Chicago Medical School.

2/2002 - 11/2011:

Member, DSMB for "CSP 468: A Comparison of Best Medical Therapy and Deep Brain Stimulation of Subthalamic Nucleus and Globus Pallidus for the Treatment of Parkinson's Disease" trial of the US Veterans' Administration.

1/1999 - 6/2014:

Member, DSMB for the Hong Kong Nasopharyngeal Cancer Study Group, supervising three large multi-center randomized trials of chemoradiation in nasopharyngeal carcinoma.

3/1999 - 2/2004:

Member, DSMB for the "Coronary Artery Revascularization Prophylaxis (CARP)" trial of the US Veterans' Administration.

4/1999 - 12/2003:

Member, DSMB for the US National Center for Complementary and Alternative Medicine.

4/1992-10/1994:

Member, DSMB of the American Foundation for AIDS Research.

TEACHING EXPERIENCE

Instructor of undergraduate and graduate introductions to statistics and medical statistics; a graduate level course in statistical methods for clinical trials; a graduate level course in generalized linear models; a graduate level course in statistical consulting; and a graduate level course in survival analysis.

COMMUNITY OUTREACH

1992 - present: delivered talks on statistics to many local elementary, middle and high schools, most recently (2017), to the Calculus and AP statistics classes at Madison East High School.

Lecture, "How to Lie with Statistics" to the Menona Optimists Club, 6/2009.

Lecture, "How to Lie with Statistics" in the U.W. Madison Arboretum's Winter Naturalist Program, 1/2009.

Lecture, "How to Lie with Statistics" to the Madison chapter of the International Association of Business Communicators, 7/2008.

1994, 1995: delivered a series of lectures on medical uses of statistics to the 7th and 8th grades of the Eagle School for gifted children. Voted as their favorite outside lecturer (out of twelve) in 1994.

1996 - 1998: member of the Advisory and Judging Committee of the Wisconsin Regional Junior Science, Engineering and Humanities Program, a science contest for high school students. Served as science fair judge in local elementary schools.

6/97: guest lecturer, Wisconsin Teacher Enhancement Program In Biology of the U.W. Department of Genetics in their *Science and Society* series.

BIBLIOGRAPHY - PAPERS PUBLISHED IN OR ACCEPTED BY REFEREED JOURNALS

- [1] Acosta, D and Chappell, R. "Cardiotoxicity of diazepam in cultured heart cells." *Toxicology*, Vol. 8 (1977), 311-317.
- [2] Michelassi, F, G Block, L Vanucci, A Montag and Chappell, R. "Five to twenty-one year follow-up and analysis of 250 patients with rectal adenocarcinoma." *Annals of Surgery*, Vol. 208

- (1988), pp. 379-389.
- [3] Michelassi, F, L Vanucci, A Montag, R Chappell, J Rogers and G Block. "Ras oncogene expression as a prognostic indicator in rectal adenocarcinoma." *Journal of Surgical Research*, Vol. 45 (1988), pp. 15-20.
- [4] Michelassi, F, L Vanucci, A Montag, R Goldberg, R Chappell, H Dytch, M Bibbo and G Block. "Importance of tumor morphology for the long term prognosis of rectal adenocarcinoma." *The American Surgeon*, Vol. 54 (1988), pp. 376-379.
- [5] Chappell, R. "Fitting bent lines to data, with applications to allometry." *Journal of Theoretical Biology*, Vol. 138 (1989), pp. 235-256.
- [6] Feinstein SB, MW Keller, RE Kerber, B Vandenberg, J Hoyte, C Kutruff, J Bingle, TD Fraker Jr, R Chappell, AH Welsh. "Sonicated echo contrast agents: reproducibility studies." *Journal of the American Society of Echocardiography*. Vol. 2 (1989), pp. 125-131.
- [7] Michelassi, F, L Vanucci, J Ayala, R Chappell, R Goldberg and G Block. "Local recurrence after curative resection of colorectal adenocarcinoma." *Surgery*. Vol. 108 (1990), pp. 787-793.
- [8] Chappell, R. "Sampling design of multiwave studies with an application to the Massachusetts Health Care Panel Study." *Statistics in Medicine*. Vol. 10 (1991), pp. 1945-1958.
- [9] Michelassi, F, J Ayala, T Balestracci, R Goldberg, R Chappell and G Block. "Verification of a new clinicopathologic staging system for colorectal adenocarcinoma." *The Annals of Surgery*. July 1991, pp. 11-18.
- [10] Michelassi, F, T Balestracci, R Chappell and G Block. "Primary and recurrent Crohn's disease." *The Annals of Surgery*, September 1991, pp. 230-240.
- [11] Chappell, R. "A Note on linear rank tests and Gill and Schumacher's tests of proportionality." *Biometrika*, Vol. 79 (1992), pp. 199-201.
- [12] Ritter, MA, EM Messing, TG Shanahan, S Potts, R Chappell and TJ Kinsella. "Prostate-specific antigen as a predictor of radiotherapy response and patterns of failure in localized prostate cancer." *Journal of Clinical Oncology*, Vol. 10 (1992), pp. 1208-1217.
- [13] Chappell, R and L Branch. "The Goldilocks dilemma in survey design and its solution." *Journal of Clinical Epidemiology*, Vol. 46 (1993), pp. 309-312.
- [14] Steinherz, P, P Gaynon, J Breneman, J Cherlow, N Grossman, J Kersey, H Maurer, H Sather, M Trigg, R Chappell and D Hammond. "Treatment of acute lymphoblastic leukemia with lymphomatous features at diagnosis." *Journal of Clinical Oncology*, Vol. 11 (1993), pp. 2234-2242.
- [15] Fowler, JF and R Chappell. "Local control versus dose or overall time: from coefficients to percentages." *British Journal of Radiology*. Vol. 67 (1994), pp. 1108-1112.
- [16] Fowler, JF and R Chappell. "Steepness of dose-response curve for larynx cancer." A refereed letter in *Radiotherapeutic Oncology*. Vol. 30 (1994), p. 90.

- [17] Chappell, R. "Presenting the coefficients of the linear quadratic formula for clinical use." *The International Journal of Radiation Oncology, Biology, and Physics*. Vol. 29 (1994), pp. 191-193.
- [18] Mehta, MP, J Masciopinto, JM Rozental, AB Levin, R Chappell, KT Bastin, J Miles, P Turski, SS Kubsad, TR Mackie and T Kinsella. "Stereotactic radiosurgery for glioblastoma multiforme: report of a prospective study evaluating prognostic factors and analyzing long-term survival advantage." *The International Journal of Radiation Oncology, Biology and Physics*. Vol. 30 (1994), pp. 541-549.
- [19] Love, RR, HS Barden, RB Mazess, S Epstein and R Chappell. "Effect of tamoxifen on lumbar spine bone mineral density in postmenopausal women after five years." *Archives of Internal Medicine*. Vol. 154 (1994), pp. 2585-2588.
- [20] Love, RR, DA Wiebe, JM Feyzi, PA Newcomb and R Chappell. "Effects of tamoxifen on cardiovascular risk factors in postmenopausal women after five years of treatment." *Journal of the National Cancer Institute*, Vol. 86 (1994), pp. 1534-1539.
- [21] Fowler, JF and R Chappell. "Effect of overall time and dose on the response of glottic carcinoma of the larynx to radiotherapy." A refereed letter in *European Journal of Cancer*, Vol. 30A (1994), pp. 719-721.
- [22] Lee, AWM, DKK Chan, JF Fowler, YF Poon, SCK Law, W Foo, SY Tung, FK Cheung, JHC Ho and R Chappell. "T1 Nasopharyngeal Carcinoma: the Effect of Waiting Time on Tumor Control." *The International Journal of Radiation Oncology, Biology, and Physics*. Vol. 30 (1994), pp. 1111-1117.
- [23] Sarkaria, JN, DG Petereit, JA Stitt, T Hartman, R Chappell, BA Thomadsen, DA Buchler, JF Fowler and TJ Kinsella. "A comparison of the efficacy and complication rates of low dose-rate vs. high dose-rate brachytherapy in the treatment of uterine cervical carcinoma." *The International Journal of Radiation Oncology, Biology and Physics*. Vol. 30 (1994), pp. 75-82.
- [24] Steeves, RA, JA Stitt, R Chappell, WH Wolberg and TJ Kinsella. "A Simple numerical system for scoring the cosmetic effects of radiation and surgery post-conservation therapy for breast cancer." *Radiation Oncology Investigations*. Vol. 2 (1994), pp. 194-198.
- [25] Michelassi, F, DM Takanishi, D Pantalone, J Hart, R Chappell, and GE Block. "Analysis of clinicopathologic prognostic features in patients with gastric adenocarcinoma." *Surgery*. Vol. 116 (1994), pp. 804-110.
- [26] Wang, Y, G Wahba, R Chappell and C Gu. "Simulation studies of smoothing parameter estimates and Bayesian confidence intervals in Bernoulli SS ANOVA models." *Communications in Statistics - Simulation and Computation*. Vol. 24 (1995), pp. 1037-1059.
- [27] Chappell, R, D Nondahl and JF Fowler. "Modeling dose and local control in radiotherapy." *Journal of the American Statistical Association*. Vol. 90 (1995), pp. 829-838.
- [28] Orzack, S and R Chappell. "Sample-Size Determination for Parent-Offspring Regression of a Composite Trait." *Biometrics*. Vol. 51 (1995), pp. 822-830.

- [29] Grant, MD, ZH Piotrowski and R Chappell. "Self reported health and survival in The Longitudinal Study of Aging, 1984-1986." *Journal of Clinical Epidemiology*, Vol. 48 (1995), pp. 375-387.
- [30] Chappell, R, D Nondahl, M Rezvani and JF Fowler. "Further analysis of the radiobiological parameters from the first and second British Institute of Radiology randomized studies of larynx/pharynx radiotherapy." *The International Journal of Radiation Oncology, Biology, and Physics*. Vol. 33 (1995), pp. 509-518.
- [31] Sarkaria, J, M Mehta, J Loeffler, J Buatti, R Chappell, A Levin, E Alexander, W Friedman and T Kinsella. "Radiosurgery in the initial management of malignant gliomas: survival comparison with the RTOG recursive partitioning analysis." *The International Journal of Radiation Oncology, Biology, and Physics*. Vol. 32 (1995), pp. 931-941.
- [32] Petereit, DG, JN Sarkaria, R Chappell, JF Fowler, TJ Hartmann, TJ Kinsella, JA Stitt, BR Thomadsen and DA Buchler. "The adverse effect of treatment prolongation in cervical carcinoma." *The International Journal of Radiation Oncology, Biology, and Physics*. Vol. 32 (1995), pp. 1301-1307.
- [33] Lee, AWM, DKK Chan, JF Fowler, YF Poon, W Foo, SCK Law, SK O, SY Tung and R Chappell. "Effect of time, dose and fractionation on local control of nasopharyngeal carcinoma." *Radiotherapy and Oncology*. Vol. 36 (1995), pp. 24-31.
- [34] Newton, M, C Czado and R Chappell. "Bayesian inference for semiparametric binary regression." *Journal of the American Statistical Association*. Vol. 91 (1996), pp. 142-153.
- [35] Auchter, RM, JP Lamond, JP, E Alexander, JM Buatti, R Chappell, W Friedman, TJ Kinsella, AB Levin, WR Noyes, C Schultz, JS Loeffler and MP Mehta. "A multi-institutional outcome and prognostic factor analysis of radiosurgery for resectable single brain metastasis." *The International Journal of Radiation Oncology, Biology, and Physics*. Vol. 35 (1996), pp. 27-35.
- [36] Steinherz, PG, PS Gaynon, JC Breneman, JM Cherlow, NJ Grossman, JH Kersey, HS Johnstone, HN Sather, ME Trigg, R Chappell, D Hammond and WA Bleyer. "Cytoreduction and prognosis in acute lymphoblastic leukemia - the importance of early marrow response: report from the Childrens Cancer Group." *Journal of Clinical Oncology*. Vol. 14 (1996), pp. 389-398.
- [37] Noyes, WR, R Rodriguez, SJ Knechtle, JD Pirsch, HW Sollinger, AM D'Alessandro, R Chappell, FO Belzer and TJ Kinsella. "Radiation therapy for renal transplant rejection refractory to pulse steroids and OKT3." *The International Journal of Radiation Oncology, Biology, and Physics*. Vol. 34 (1996), pp. 1055-1059.
- [38] Takanishi, DM, Jr., J Hart, P Covarelli, R Chappell and F Michelassi. "Ploidy as a prognostic feature in colonic adenocarcinoma." *Archives of Surgery*. Vol. 131 (1996), pp. 587-592.
- [39] Leborgne, F., Fowler, J.F., Leborgne, J.H., Zubizarreta, E., and Chappell, R. "Fractionation in medium dose rate brachytherapy of cancer of the cervix." *The International Journal of Radiation Oncology, Biology, and Physics*. Vol. 35 (1996), pp. 907-914.
- [40] Wang, Q., Chappell, R., Klein, R., Eisner, A., Klein, B.E.K., Jensen, S.C., and Moss, S.E. "Pattern of age-related maculopathy in the macular area. The Beaver Dam Eye Study."

Investigative Ophthalmology & Visual Science. Vol. 37 (1996), pp. 2234-2242.

- [41] Miller, A. M., Chappell, R., Obermeyer, W. H., and Benca, M. "Analysis of the retinohypothalamic tract in congenic albino and pigmented rats." *Brain Research*. Vol. 741 (1996), pp. 348-351.
- [42] Slusker Shternfeld, I., Lasudry, J. G. H., Chappell, R., Darjatmoko, S., and Albert, D. "Anti-neoplastic activity of 1,25-dihydroxy-16-ene-23-yne-vitamin D3 analog in transgenic mice with retinoblastoma." *Archives of Ophthalmology*. Vol. 114 (1996), pp. 1396-1401.
- [43] Chappell, R. "Comment on the articles of Caplan *et al.* and Bentzen *et al.*. A refereed letter in *The International Journal of Radiation Oncology, Biology, and Physics*. Vol. 36 (1996), pp. 988-989.
- [44] Brandt, C.R., Imesch, P. D., Robinson, N. L., Syed, N., Untawale, S., Darjatmoko, S., Chappell, R., Heinzelman, P. and Albert, D. "Treatment of spontaneously arising retinoblastoma tumors in transgenic mice with an attenuated herpes simplex virus mutant." *Virology*. Vol. 229 (1997), pp. 283-291.
- [45] Leborgne, F., Fowler, J.F., Leborgne, J.H., Zubizarreta, E., and Chappell, R. "Biologically effective doses in medium dose-rate brachytherapy of cancer of the cervix." *Radiation Oncology Investigations*. Vol. 5 (1997), pp. 289-299.
- [46] Clark, B.G., Souhami, L., Roman, T.N., Chappell, R., Evans, M.D., and Fowler, J.F. "The prediction of rectal complications in patients treated with high dose-rate brachytherapy for carcinoma of the cervix using the linear quadratic model." *The International Journal of Radiation Oncology, Biology and Physics*. Vol. 38 (1997), pp. 989-993.
- [47] Pan, W., Chappell, R. and Kosorok, M.R. "On consistency of the monotone MLE of survival for left truncated and interval censored data." *Statistics and Probability Letters*. Vol. 38 (1998), pp. 49-57.
- [48] Pan, W and R Chappell. "Estimating survival curves with left-truncated and interval-censored data via the EMS algorithm." *Communications in Statistics - Theory and Methods*. Vol. 27 (1998), pp. 777-793.
- [49] Pan, W and R Chappell. "Estimating survival curves with left-truncated and interval-censored data under monotone hazards." *Biometrics*. Vol. 54 (1998), pp. 1053-1060.
- [50] Pan, W and R Chappell. "A nonparametric estimator of survival functions for arbitrarily truncated and censored data." *Lifetime Data Analysis*. Vol. 4 (1998), pp. 187-202.
- [51] Pan, W and R Chappell. "Computation of the NPMLE of distribution functions for interval censored and truncated data with applications to the Cox model." *Computational Statistics and Data Analysis* Vol. 28 (1998), pp. 33-50.
- [52] Lee, AWM, W Foo, R Chappell, J Fowler, WM Sze, YF Poon, SC Law, SH Ng, SK O, SY Tung, WH Lau and JHC Ho. "Effect of time, dose and fractionation on temporal lobe necrosis following radiotherapy for nasopharyngeal carcinoma." *The International Journal of Radiation Oncology, Biology, and Physics*. Vol. 40 (1998), pp. 35-42.

- [53] Gaynon, PS, RP Qu, R Chappell, MLN Willoughby, DG Tubergen, PG Steinherz and ME Trigg. "Survival after relapse in childhood acute lymphoblastic leukemia: impact of site and time to first relapse - the Children's Cancer Group experience." *Cancer*. Vol. 82 (1998), pp. 1387-1395.
- [54] Tompkins, DT, TA Kurzynski, R Chappell, WA Zeltner and MA Anderson. "Effect of Fluorescent Illumination on Bacteria Supported on Glass Slides." *Journal of Advanced Oxidation Technologies*. Vol. 3, (1998), pp. 307-310.
- [55] Syed, NA, JJ Windle, SR Darjatmoko, JM Lokken, RA Steeves, R Chappell, IHL Wallow, BA Koop, G Mangold, KA Howes and DM Albert. "Transgenic mice with pigmented intraocular tumors: tissue of origin and treatment." *Investigative Ophthalmology & Visual Science* Vol. 39 (1998), pp. 2800-5.
- [56] Chappell, R., SS Miranpuri and MP Mehta. "Dimension in defining tumor response." A refereed letter in *Journal of Clinical Oncology*. Vol. 16 (1998), p. 1234.
- [57] Petereit, DG, JN Sarkaria and R Chappell. "Perioperative morbidity and mortality of high-dose-rate gynecologic brachytherapy." *The International Journal of Radiation Oncology, Biology, and Physics*. Vol. 42 (1998), pp. 1025-31.
- [58] Kalishman, JB, R Chappell, LA Flood and RR Dubielzig. "A matched observational study of survival in cats with enucleation due to diffuse iris melanoma." *Veterinary and Comparative Ophthalmology*. Vol. 1 (1998), pp. 25-29.
- [59] Miranpuri, SS, CA Schulz, R Chappell, PP Kesava, PH Nguyen, MA Olsen, TR McNutt and MP Mehta. "Comparison of methods for response analysis of central nervous system neoplasms." *Journal of Radiosurgery*. Vol. 2 (1999), pp. 153-161.
- [60] Giuliano, E, R Chappell and R Dubielzig. "A matched observational study of canine survival with primary intraocular melanocytic neoplasia." *Veterinary Ophthalmology*. Vol. 2 (1999), pp. 185-190.
- [61] Lee, AWM, W Foo, SK Law, YF Poon, SK O, SY Tung, WM Sze, R Chappell, WH Lau and JH Ho. "Staging of nasopharyngeal carcinoma: from Ho's to the new UICC system." *The International Journal of Cancer*. Vol. 84 (1999), pp. 179-187.
- [62] Lee, AWM, W Foo, SCK Law, YF Poon, WM Sze, SK O, SY Tung, R Chappell, WH Lau and JH Ho. "Recurrent nasopharyngeal carcinoma: the puzzles of long latency." *The International Journal of Radiation Oncology, Biology and Physics*. Vol. 44 (1999), pp. 149-156.
- [63] Qiu, P, R Chappell, W Obermeyer and R Benca. "Modeling daily and subdaily cycles in rat sleep data." *Biometrics*. Vol. 55 (1999), pp. 930-935.
- [64] Pan, W and R Chappell. "A note on inconsistency of the NPMLE of the distribution function from left truncated and case I interval censored data." *Lifetime Data Analysis*. Vol. 5 (1999), pp. 281-291.
- [65] Lee, AWM, WM Sze, JF Fowler, R Chappell, SF Leung and P Teo. "Caution on the use of altered fractionation for nasopharyngeal carcinoma." *Radiotherapy and Oncology*. Vol. 52 (1999), pp. 207-211.

- [66] Lee, AWM, W Foo, SCK Law, LJ Peters, YF Poon, R Chappell, WM Sze, SK O, SY Tung, WH Lau and JHC Ho. "Total biological effect on late reactive tissues following re-irradiation for recurrent nasopharyngeal carcinoma." *The International Journal of Radiation Oncology, Biology and Physics*. Vol. 46 (2000), pp. 865-872.
- [67] Trigg, ME, PG Steinherz, R Chappell, HS Johnstone, PS Gaynon, JH Kersey, JM Cherlow, NJ Grossman, HN Sather and GD Hammond. "Early testicular biopsies in males with lymphomatous presentation acute lymphoblastic leukemia: impact on subsequent event-free survival." *Journal of Pediatric Hematology/Oncology* Vol. 22 (2000), pp. 27-33.
- [68] Rodriquez, AA, M McGinn and R Chappell. "Botulinum toxin injection of spastic finger flexors in hemiplegic patients." *American Journal of Physical Medicine and Rehabilitation*. Vol. 79 (2000), pp. 44-47.
- [69] Fowler, J. and R Chappell. "Non-small cell lung tumors repopulate rapidly during radiation therapy." A refereed letter in *International Journal of Radiation Oncology Biology Physics*. Vol. 46 (2000), pp. 516-517.
- [70] Chappell, R. "Student scholarship competition manuscripts: relevance, rigor, and promise." An invited commentary in *Controlled Clinical Trials*. Vol. 21 (2000), pp. 138-139.
- [71] Cheung, YK and R Chappell. "Sequential designs for phase I clinical trials with late-onset toxicities." *Biometrics*. Vol. 56 (2000), pp. 1177-1182.
- [72] Mehta, M, R Scrimger, R Mackie, B Paliwal, R Chappell and J Fowler. "A new approach to dose escalation in non-small cell lung cancer." *International Journal of Radiation Oncology Biology Physics*. Vol. 49 (2001), pp. 23-33.
- [73] Lee, AWM, WM Sze, TK Yau, RMW Yeung, R Chappell and J Fowler. "Retrospective analysis on treating nasopharyngeal carcinoma with accelerated fractionation (6 fractions per week) in comparison with conventional fractionation (5 fractions per week): report on 3-year tumor control and normal tissue toxicity." *Radiotherapy and Oncology*. Vol. 58 (2001), pp. 121-130.
- [74] Fowler, J, R Chappell and M Ritter. "Is α/β for prostate tumors really low?" *International Journal of Radiation Oncology Biology Physics*. Vol. 50 (2001), pp. 1021-1031.
- [75] Sanghavi, SN, SS Miranpuri, R Chappell, JM Buatti, PK Sneed, JH Suh, WF Regine, E Weltman, VJ King, SJ Goetsch, JC Breneman, PW Sperduto, CS Scott, S Mabanta and MP Mehta. "Radiosurgery for patients with brain metastases: a multi-institutional analysis, stratified by the RTOG recursive partitioning methodology." *International Journal of Radiation Oncology Biology Physics*. Vol. 51 (2001), pp. 426-434.
- [76] Fine, J, H Jiang and R Chappell. "On semi-competing risks data." *Biometrika*. Vol. 88 (2001), pp. 907-919.
- [77] Klein, R, BEK Klein, KE Lee, KJ Cruickshanks and R Chappell. "Changes in Visual Acuity in a Population Over a 10-Year Period." *Ophthalmology*. Vol. 108 (2001), pp. 1757-1766.
- [78] Mundhenke, C, JP Thomas, G Wilding, FT Lee, F Kelzc, R Chappell, R Neider, LA Sebree and A Friedl. "Tissue examination to monitor anti-angiogenic therapy: a phase I clinical trial with endostatin." *Clinical Cancer Research*. Vol. 7 (2001), pp. 3366-74.

- [79] Kosorok, MR, JP Fine, H Jiang and R Chappell. "Asymptotic theory for the gamma frailty model with dependent censoring." *Annals of the Institute of Statistical Mathematics*. Vol. 54 (2002), pp. 476-499.
- [80] Fowler, JF, R Chappell and MA Ritter. "The Prospects for New Treatments for Prostate Cancer." An invited editorial in *International Journal of Radiation Oncology Biology Physics*. Vol. 52 (2002), pp. 3-5.
- [81] Lee, AWM, SY Tung, DLW Kwong, PML Teo, WM Sze, TW Leung, PM Wu, SF Leung, R Chappell, LJ Peters and JF Fowler. "Factors Affecting the Risk of Symptomatic Temporal Lobe Necrosis: Significance of Fractional Dose and Treatment Time." *International Journal of Radiation Oncology Biology Physics*. Vol. 53 (2002), pp. 75-85.
- [82] Pan, W and R Chappell. "Estimation in the Cox Proportional Hazards Model with Left Truncated and Interval Censored Data." *Biometrics*. Vol. 58 (2002), pp. 64-70.
- [83] Binkley, NC, DC Krueger, TN Kawahara, JA Engelke, R Chappell and JW Suttie. "A High Phylloquinone Intake is Required to Achieve Maximal Osteocalcin Gamma-Carboxylation." *American Journal of Clinical Nutrition*. Vol. 76 (2002), pp. 1055-60.
- [84] Chappell, R, J Fowler and M Ritter. "Is α/β for Prostate Tumors really Low? Response to Dale and Jones." A refereed letter in *International Journal of Radiation Oncology Biology Physics*. Vol. 52 (2002), p. 1428.
- [85] Ritter, MA, KW Gilchrist, M Voytovich, R Chappell and BM Verhoven. "The Role of p53 in Radiation Therapy Outcomes for Favorable-to-Intermediate Risk Prostate Cancer." *International Journal of Radiation Oncology Biology Physics*. Vol. 53 (2002), pp. 574-580.
- [86] Sneed, PK, JH Suh, SJ Goetsch, SN Sanghavi, R Chappell, JM Buatti, WF Regine, E Weltman, VJ King, JC Breneman, PW Sperduto and MP Mehta. "A multi-institutional review of radiosurgery alone vs. radiosurgery with whole brain radiotherapy as the initial management of metastases." *International Journal of Radiation Oncology Biology Physics*. Vol. 53 (2002), pp. 519-526.
- [87] Cheung, YK and R Chappell. "A simple technique to evaluate model sensitivity in the continual reassessment method." *Biometrics*. Vol. 58 (2002), pp. 671-674.
- [88] Fowler, J, M Ritter and R Chappell. "Prostate Cancer: Low α / β the only consideration? Response to Denham." A refereed letter in *International Journal of Radiation Oncology Biology Physics*. Vol. 53 (2002), p. 1395.
- [89] Chappell, R. Review of *Multivariate Statistical Modelling Based on Generalized Linear Models (2nd ed.)*, by L. Fahrmeir and G. Tutz. *Journal of the American Statistical Association*. Vol. 98 (2003), pp. 776,777.
- [90] Fowler, JF, MA Ritter, R Chappell and DJ Brenner. "What Hypofractionated Protocols Should be Tested for Prostate Cancer?" *International Journal of Radiation Oncology Biology Physics*. Vol. 56 (2003), pp. 1093-1104.
- [91] Lee, AWM, W Foo, O Mang, WM Sze, R Chappell, WH Lau and WM Ko. "Changing Epidemiology of Nasopharyngeal Carcinoma in Hong Kong over a 20-Year Period (1980-1999):

- an Encouraging Reduction in both Incidence and Mortality.” *International Journal of Cancer*. Vol. 103 (2003), pp. 680-685.
- [92] Karrison, T, D Huo and R Chappell. “Group Sequential, Response-Adaptive Designs for Randomized Clinical Trials.” *Controlled Clinical Trials*. Vol. 24 (2003), pp. 506-522.
- [93] Fowler, JF, MA Ritter, JD Fenwick and R Chappell. “How low is the α/β ratio for Prostate Cancer? In regard to Wang et al., *IJROBP* 2003; **55**: 194-203.” A refereed letter in *International Journal of Radiation Oncology Biology Physics*. Vol. 57 (2003), pp. 593-595.
- [94] Liu, G, G Wilding, MJ Staab, D Horvath, K Miller, A Dresen, D Alberti, R Arzoomanian, R Chappell and HH Bailey. “Phase II Study of 1-Hydroxyvitamin D2 in the Treatment of Advanced Androgen-independent Prostate Cancer.” *Clinical Cancer Research*. Vol. 9 (2003), pp. 4077-4083.
- [95] Chinnaiyan, P, W Tome’, R Patel, R Chappell and M Ritter. “3D-Ultrasound Guided Radiation Therapy in the Post-Prostatectomy Setting.” *Technology in Cancer Research and Treatment*. Vol. 2 (2003), pp. 455-458.
- [96] Cruickshanks, KJ, TS Tweed, TL Wiley, BEK Klein, R Klein, R Chappell, DM Nondahl and DS Dalton. “The Five-Year Incidence and Progression of Hearing Loss: the Epidemiology of Hearing Loss Study.” *Archives of Otolaryngology - Head and Neck Surgery*. Vol. 129 (2003), pp. 1041-1046.
- [97] Jiang, H, R Chappell and JP Fine. “Estimating the Distribution of Failure Times in the Presence of Mortality or Informative Dropout.” *Controlled Clinical Trials*. Vol. 24 (2003), pp. 135-146.
- [98] Schulz, CA, M Mehta, B Badie, C McGinn, HI Robins, L Hayes, R Chappell, J Volkman, K Binger, R Arzoomanian, K Simon, D Alberti, C Feierabend, KD Tutsch, KA Kunugi, G Wilding and TJ Kinsella. “Continuous 28 day iododeoxyuridine infusion and hyperfractionated accelerated radiotherapy for malignant glioma: a phase I clinical study.” *International Journal of Radiation Oncology Biology Physics*. Vol. 59 (2004), pp. 1107-1115.
- [99] Meier, P, T Karrison, R Chappell and H Xie. “The Price of Kaplan-Meier.” *Journal of the American Statistical Association*. Vol. 99 (2004), pp. 890-896.
- [100] Sze, WM, AWM Lee, TK Yau, RMW Yeung, KY Lau, SKC Leung, AWM Hung, MCH Lee, R Chappell and K Chan. “Primary tumor volume of nasopharyngeal carcinoma: prognostic significance for local control.” *International Journal of Radiation Oncology Biology Physics*. Vol. 59 (2004), pp. 21-27.
- [101] Petereit, DG, D Rogers, F Govern, SP Howard, J Kaur, CH Osburn, L Burhansstipanov, NA Coleman, JF Fowler, R Chappell and MP Mehta. “Increasing Access to Clinical Cancer Trials and Emerging Technologies for Minority Populations: the Native American Project.” *Journal of Clinical Oncology*. Vol. 22 (2004), pp. 4452-4455.
- [102] Chappell, R, J Fowler and M Ritter. “New Data on the Value of α/β - Evidence Mounts that it is Low” A refereed letter in *International Journal of Radiation Oncology Biology Physics*. Vol. 60 (2004), pp. 1002-1006.

- [103] Gruber, M, R Chappell, A Millen, T Ficek, SM Moeller, A Iannaccone, SB Kritchevsky and J Mares. "Correlates of Serum Lutein/Zeaxanthin in the Third National Health and Nutrition Examination Survey." *Journal of Nutrition*. Vol. 134 (2004), pp. 2387-2394.
- [104] Petereit, DP, D Rogers, L Burhansstipanov, J Kaur, F Govern, SP Howard, CH Osburn, CN Coleman, JF Fowler, R Chappell and MP Mehta. "Walking Forward: The South Dakota Native American Project." *Journal of Cancer Education*. Vol. 20 (2005), pp. 65-70.
- [105] Hong, TS, WA Tome', R Chappell, P Chinnaiyan, MP Mehta and PM Harari. "The Impact of Daily Set-up Variations on the Quality of Head and Neck IMRT." *International Journal of Radiation Oncology Biology Physics*. Vol. 61 (2005), pp. 779-788.
- [106] Jiang, H, JP Fine and R Chappell. "Semiparametric analysis of survival data with left truncation and dependent right censoring." *Biometrics*. Vol. 61 (2005), pp. 567-575.
- [107] Yuan, Z and R Chappell. "Isotonic designs for phase I cancer clinical trials with multiple risk groups." *Clinical Trials: the Journal of the Society for Clinical Trials*. Vol. 1 (2004), pp. 499-508.
- [108] Kushner, DM, R LaGalbo, JP Connor, JC Schink, R Chappell, SL Stewart, LS Harris and EM Hartenbach. "The ON-Q pain management system in gynecologic oncology: A randomized, placebo-controlled trial." *Obstetrics & Gynecology*. Vol. 106 (2005), pp. 227-233.
- [109] Lee, AWM, WH Lau, SY Tung, DT Chua, R Chappell, L Xu, L Siu, WM Sze, TW Leung, JS Sham, RK Ngan, SC Law, TK Yau, JS Au, B O'Sullivan, ES Pang, SK O, GK Au and JT Lau. "Preliminary results of a randomized study on therapeutic gain by concurrent chemotherapy for regionally-advanced nasopharyngeal carcinoma: NPC-9901 trial by the Hong Kong Nasopharyngeal Cancer Study Group." *Journal of Clinical Oncology*. Vol. 23 (2005), pp. 6966-6975.
- [110] Jiang, H, JP Fine, MR Kosorok and R Chappell. "Pseudo Self-Consistent Estimation of a Copula Model with Informative Censoring." *Scandinavian Journal of Statistics*. Vol. 32 (2005), pp. 1-20.
- [111] Connor, NP, SB Cohen, RF Kammer, PA Sullivan, KA Brewer, TS Hong, R Chappell and PM Harari. "Impact of conventional radiotherapy on health-related quality of life and critical functions of the head and neck." *International Journal of Radiation Oncology, Biology, Physics*. Vol. 65 (2006), pp. 1051-1062.
- [112] Parekh, N, R Chappell, AE Millen, AM Albert and JA Mares. "Association between vitamin D and age-related macular degeneration in the third National Health and Nutrition Examination Survey 1988-94." *Archives of Ophthalmology*. Vol. 125 (2007), pp. 661-669.
- [113] Lee, AWM, SY Tung, AT Chan, R Chappell, YT Fu, TX Lu, T Tan, DT Chua, B O'Sullivan, SL Xu, ESY Pang, WM Sze, TW Leung, WH Kwan, PT Chan, XF Liu, EH Tan, JS Sham, L Siu and WH Lau. "Preliminary results of a prospective randomized study (NPC-9902 Trial) on therapeutic gain by concurrent chemotherapy and/or accelerated fractionation for locally-advanced nasopharyngeal carcinoma." *International Journal of Radiation Oncology, Biology, Physics*. Vol. 66 (2006), pp. 142-151.
- [114] Mares, JA, TL LaRowe, DM Snodderly, SM Moeller, MJ Gruber, ML Klein, BR Wooten, EJ Johnson and R Chappell. "Predictors of optical density of lutein and zeaxanthin in retinas of

- older women in the Carotenoids in Age-Related Eye Disease Study, an ancillary study of the Women's Health Initiative." *American Journal of Clinical Nutrition*. Vol. 84 (2006), pp. 1107-22.
- [115] Yuan, Z, R Chappell and H Bailey. "Continual reassessment method for multiple toxicity grades: a Bayesian quasi-likelihood approach." *Biometrics*. Vol. 63 (2007), pp. 173-179.
- [116] Steinberg, DM, JP Fine and R Chappell. "Sample size for positive and negative predictive value in diagnostic research." *Biostatistics*. Vol. 10 (2009), pp. 94-105. PMID 3668447
- [117] Moeller, SM, R Volland, L Tinker, B Blodi, M Klein, K Gehrs, E Johnson, M Snodderly, R Wallace, R Chappell, N Parekh, C Ritenbaugh and J Mares for the CAREDS Study Group. "Associations between age-related nuclear cataract and lutein and zeaxanthin in the Carotenoids in Age-Related Eye Disease Study (CAREDS), an ancillary study of the Women's Health Initiative." *Archives of Ophthalmology*. Vol. 126 (2008), pp. 354-364.
- [118] Welsh, JS, M Lock, PM Harari, W Tome, J Fowler, TR Mackie, M Ritter, J Kapatoes, L Forrest, R Chappell, B Paliwal and MP Mehta. "Clinical implementation of adaptive helical tomotherapy: a unique approach to image-guided intensity modulated radiotherapy." *Technology in Cancer Research and Treatment*. Vol. 5 (2006), pp. 465-480.
- [119] Chappell, R and T Karrison. "Comment on Cheung, et al., "Continuous Bayesian adaptive randomization based on event times with covariates"." *Statistics in Medicine*. Vol. 26 (2007), pp. 3050-3052.
- [120] Kushner, DM, JP Connor, MA Wilson, GR Hafez, RJ Chappell, SL Stewart and EM Hartenbach. "Laparoscopic Sentinel Lymph Node Mapping for Cervix Cancer: A Detailed Evaluation and Time Analysis." *Gynecologic Oncology*. Vol. 106 (2007), pp. 507-512.
- [121] Johnson, CL, JA Pedersen, R Chappell, D McKenzie and JM Aiken. "Oral infectivity of prions is enhanced by binding to clay surfaces." *PLoS Pathogens*. Vol. 3 (2007).
- [122] Wiley, TL, R Chappell, L Carmichael, DM Nondahl and KJ Cruickshanks. "Changes in hearing thresholds over 10 years in older adults." *The Journal of the American Academy of Audiology*. Vol. 19 (2008), pp. 281-292.
- [123] Huang, B and R Chappell. "Three-dose-cohort designs in cancer phase I trials." *Statistics in Medicine*. Vol. 27 (2007), pp. 2070-2093.
- [124] Yu, Q, R Chappell, GYC Wong, Y Hsu and M Mazur. "Relationship between the Cox, Lehmann, Weibull, and accelerated lifetime models." *Communications in Statistics - Theory and Methods*. Vol. 37 (2008), pp. 1458-1470.
- [125] Bailey, HH, S Attia, RR Love, T Fass, R Chappell, K Tutsch, L Harris, A Jumonville, R Hansen, GR Shapiro and J Stewart. "A phase II trial of daily oral perillyl alcohol (NSC 641066) in metastatic breast cancer." *Cancer Chemotherapy and Pharmacology*. Vol. 62 (2008), pp. 149-157.
- [126] LaRowe, TL, JA Mares, DM Snodderly, ML Klein, BR Wooten, and R Chappell for the CAREDS Macular Pigment Study Group. "Macular pigment density and age-related maculopathy in the Carotenoids in Age-Related Eye Disease Study, an ancillary study of the

- Women's Health Initiative." *Ophthalmology*. Vol. 115 (2008), pp. 876-883.
- [127] Chappell, R. "Review of *Textbook of Clinical Trials*, by Machin, Day and Green." *Biometrics*. Vol. 64 (2008), p. 658.
- [128] Einstein, MH, DM Kushner, JP Connor, AA Bohl, TJ Best, MD Evans, RJ Chappell and EM Hartenbach. "A protocol of dual prophylaxis for venous thromboembolism prevention in gynecologic cancer patients." *Obstetrics and Gynecology*. Vol. 112 (2008), pp. 1091-1097.
- [129] Engle, DB, KA Bradley, RJ Chappell, JP Conner, EM Hartenbach, and DM Kushner. "The effect of laparoscopic guidance on gynecologic interstitial brachytherapy." *Journal of Minimally Invasive Gynecology*. Vol. 15 (2008), pp. 541-546.
- [130] Binkley, N, J Harke, D Krueger, J Engelke, N Vallarta-Ast, D Gemar, M Checovich, R Chappell and J Suttie. "Vitamin K treatment reduces undercarboxylated osteocalcin but does not alter bone turnover, density or geometry in healthy postmenopausal North American women." *The Journal of Bone and Mineral Research*. Vol. 24 (2009), pp. 983-91. PMID# 2683650.
- [131] Drees, R, L Forrest and R Chappell. "Comparison of computed tomography and magnetic resonance imaging for the evaluation of canine intranasal neoplasia." *Journal of Small Animal Practice* Vol. 50 (2009), pp. 334-40.
- [132] Parekh, N, RP Volland, S Moeller, BA Blodi, C Ritenbaugh, R Chappell, RB Wallace and JA Mares for the CAREDS Research Study Group. "Association between dietary fats and age-related macular degeneration (AMD) in the Carotenoids in Age-Related Eye Disease Study (CAREDS), an ancillary of the Women's Health Initiative." *Archives of Ophthalmology*. Vol. 127 (2009), pp. 1483-1493. PMID # 3144752.
- [133] Kruser, TJ, KA Bradley, SM Bentzen, BM Anderson, V Gondi, D Khuntia, S Perlman, WA Tome, RJ Chappell, WL Walker and MP Mehta. "The impact of a hybrid PET-CT scan on overall oncologic management, with a focus on radiotherapy planning: A prospective, blinded study." *Technology in Cancer Research and Treatment*. Vol. 8 (2009), pp. 149-158.
- [134] Lee, AW, SY Tung, DT Chua, RK Ngan, R Chappell, R Tung, L Siu, WT Ng, WK Sze, GK Au, SC Law, B O'Sullivan, TK Yau, TW Leung, JS Au, WM Sze, CW Choi, KK Fung, JT Lau and WH Lau. "Randomized trial of radiotherapy plus concurrent-adjuvant chemotherapy vs. radiotherapy alone for regionally advanced nasopharyngeal carcinoma." *The Journal of the National Cancer Institute*. Vol. 102 (2010), pp. 1-11.
- [135] Li, C, Y Wei, R Chappell and X He. "Bent line quantile regression with application to an allometric study of land mammals' speed and mass." *Biometrics*. Vol. 67 (2011), pp. 242-249.
- [136] Lawrence, JA, LJ Forrest, MM Turek, PE Miller, TR Mackie, HA Jaradat, DM Vail, R Chappell and MP Mehta. "Proof of principle of ocular sparing in dogs with sinonasal tumors treated with intensity-modulated radiation therapy." *Veterinary Radiology & Ultrasound*. Vol. 51 (2010), pp. 561-570. PMID# 2966034.
- [137] Mares, JA, R Volland, R Adler, L Tinker, AE Millen, SM Moeller, B Blodi, KM Geher, RB Wallace, R Chappell, ML Newhouser, and GE Sarto for the CAREDS Group. "Healthy Diets and the Subsequent Prevalence of Nuclear Cataract in Women." *Archives of Ophthalmology*. Vol. 128 (2010), pp. 738-749. PMID# 2896219.

- [138] Nondahl, DM, KJ Cruickshanks, TL Wiley, BEK Klein, R Klein, R Chappell and TS Tweed. "The ten-year incidence of tinnitus among older adults." *International Journal of Audiology*. Vol. 49 (2010), pp. 580-5.
- [139] Cruickshanks, KJ, DM Nondahl, TS Tweed, TL Wiley, BEK Klein, R Klein, R Chappell, DS Dalton and SD Nash. "Education, occupation, noise exposure history and the 10-yr cumulative incidence of hearing impairment in older adults." *Hearing Research*. Vol. 264 (2010), pp. 3-9.
- [140] Millen, AE, R Volland, SA Sondel, N Parekh, RL Horst, RB Wallace, GS Hageman, R Chappell, BA Blodi, ML Klein, KM Gehrs, GE Sarto and JA Mares for the CAREDS Study Group. "Vitamin D status and early age-related macular degeneration in postmenopausal women." *Archives of Ophthalmology*. Vol. 129 (2011), pp. 481-489.
- [141] Mares, JA, R Volland, SA Sondel, A Millen, T LaRowe, SM Moeller, ML Klein, BA Blodi, R Chappell, L Tinker, C Ritenbaugh, K Gehrs, G Sarto, EL Johnson, M Snodderly and RB Wallace. "Healthy lifestyles related to subsequent prevalence of age-related macular degeneration." *Archives of Ophthalmology*. Vol. 129 (2011), pp. 470-480.
- [142] Lee, AWM, SY Tung, AT Chan, R Chappell, YT Fu, TX Lu, T Tan, DT Chua, B O'Sullivan, R Tung, WT Ng, TW Leung, SF Leung, RK Ngan, C Zhao, EH Tan, GK Au, L Siu, KK Fung and WH Lau. "A randomized trial on the addition of concurrent-adjuvant chemotherapy and/or accelerated fractionation for locally-advanced nasopharyngeal carcinoma." *Radiotherapy and Oncology*. Vol. 98 (2011), pp. 15-22.
- [143] Johnson, CL, A Herbst, C Duque-Velasques, J Vanderloo, P Boschler, R Chappell and D McKenzie. "Prion protein polymorphisms affect chronic wasting disease progression." *PLoS ONE*. Publication online on 3/18/2011.
- [144] Tevaarwerk, A, G Wilding, J Eickhoff, R Chappell, C Sidor, J Arnott, H Bailey, W Schelman and G Liu. "Phase I study of continuous MKC-1 in patients with advanced or metastatic solid malignancies using the modified time-to-event continual reassessment method (TITE-CRM) dose escalation design." *Investigational New Drugs*. Publication online on 1/12/2011.
- [145] Lee, AW, SY Tung, RK Ngan, R Chappell, DT Chua, TX Lu, L Siu, T Tan, LK Chan, WT Ng, TW Leung, YT Fu, GK Au, C Zhao, B O'Sullivan, EH Tan, and WH Lau. "Factors contributing to the efficacy of concurrent-adjuvant chemotherapy for locoregionally advanced nasopharyngeal carcinoma: Combined analyses of NPC-9901 and NPC-9902 Trials." *European Journal of Cancer*. Vol. 47 (2011), pp. 656-66.
- [146] Kruser TJ, WA Tome, S Seo, JS Kuo, PA Turski, RJ Chappell, RA Scrimger and MP Mehta. Prognostic factors for complete obliteration of arteriovenous malformations treated with LINAC-based stereotactic radiosurgery. *The Journal of Radiosurgery and SBRT*. Vol. 1 (2011), pp. 203-211. PMID# PMC5725317.
- [147] Carlsson, C, G Xu, Z Wen, J Barnet, H Blazel, R Chappell, J Stein, S Asthana, M Sager, D Alsop, H Rowley, S Fain and S Johnson. "Effects of atorvastatin on cerebral blood flow in middle-aged adults at risk for Alzheimer's disease: a pilot study." *Current Alzheimer Research*. Vol. 9 (2012), pp. 990-997.
- [148] Chappell, RJ "Competing risk analyses: how are they different and why should you care?" *Clinical Cancer Research*. Vol. 18 (2012), pp. 2127-9. PMID policy exempt.

- [149] Bowen, SR, RJ Chappell, SM Bentzen, MA Deveau, LJ Forrest, and R Jeraj. "Spatially resolved regression analysis of pre-treatment FDG, FLT and Cu-ATSM PET from post-treatment FDG PET: an exploratory study." *Radiotherapy and Oncology*. Vol. 105 (2012), pp. 41-48. PMID# 3489967.
- [150] Kubicek, LN, S Seo, RJ Chappell, R Jeraj and LJ Forrest. "Helical tomotherapy setup variations in canine nasal tumor patients immobilized with a bite block." *Veterinary Radiology & Ultrasound*. Vol. 53 (2012), pp. 474-81. PMID: 22731939.
- [151] Lin, Y, S Wang and R Chappell. "Lasso tree for cancer staging with survival data." *Biostatistics*. Vol. 14 (2013), pp. 327-39. PMID: 23221681.
- [152] Wichmann, MA, KJ Cruickshanks, DM Nondahl, R Chappell, BEK Klein, R Klein and ME Fischer. "Changes in environmental tobacco smoke exposure: the Beaver Dam experience." *The Wisconsin Medical Journal*. Vol. 112 (2013), pp. 53-57. PMID: 23758015.
- [153] Obasi, CN, KJ Cruickshanks, DM Nondhal, BEK Klein, R Klein, R, JF Nieto, A Shankar, ME Fischer, MY Tsai and R Chappell. "Association of biomarkers for inflammation, endothelial dysfunction and oxidative stress with cognitive impairment. The epidemiology of hearing loss study (EHLS)." *Oxidants and Antioxidants in Medical Science*. Vol. 1 (2012), pp. 169-173. PMID: 23814681.
- [154] Lin, Y, R Chappell, and M Gonen. "A systematic selection method for the development of cancer staging systems." *Statistical Methods in Medical Research*. Online publication May 22, 2013. PMID 23698866.
- [155] Zhong, W, KJ Cruickshanks, CR Schubert, CW Acher, CM Carlsson, BEK Klein, R Klein and R Chappell. "Carotid atherosclerosis and 10-year changes in cognitive function." *Atherosclerosis* Vol. 224 (2012), pp. 506-10. PMID: 23632267.
- [156] Einstein, MH, JK Rash, RJ Chappell, JM Swietlik, JP Hollenberg and JP Connor. "Quality of life in cervical cancer survivors: patient and provider perspectives on common complications of cervical cancer and treatment." *Gynecologic Oncology*. Vol. 125 (2012), pp. 163-7.
- [157] Nash, SD, KJ Cruickshanks, R Klein, BEK Klein, FJ Nieto, R Chappell, CR Schubert and MY Tsai. "Long-term variability of inflammatory markers and associated factors in a population-based cohort." *The Journal of the American Geriatrics Society*. Vol. 61 (2013), pp. 1269-76. PMID: 23889670.
- [158] Nash SD, KJ Cruickshanks, W Zhan, MY Tsai, R Klein, R Chappell, FJ Nieto, BEK Klein, CR Schubert, DS Dalton and TS Tweed. "Long-term Assessment of Systemic Inflammation and the Cumulative Incidence of Age-Related Hearing Impairment in the Epidemiology of Hearing Loss Study." *The Journal of Gerontology A: Biological Sciences and Medical Sciences*. Vol. 69 (2013), pp. 207-214. PMID: 23739996.
- [159] Lin, Y, M Yu, W Wang, R Chappell and TF Imperiale. Advanced Colorectal neoplasia risk stratification by penalized logistic regression. *Statistical Methods in Medical Research*. Published online July 26, 2013. PMID 24145340.
- [160] Cannon, DM, HM Geye, GK Hartig, AM Traynor, T Hoang, TM McCulloch, PA Wiederholt, RJ Chappell and PM Harari. "Increased local failure risk with prolonged radiation treatment

- time in head and neck cancer treated with concurrent chemotherapy.” *Head and Neck*. Vol. 36 (2014), pp. 1120-1125. PMID: 23804248.
- [161] Cannon, DM, MP Mehta, JB Adkinson, D Khuntia, AM Traynor, WA Tome’, RJ Chappell, R Tolakanahalli, P Mohindra, SM Bentzen and GM Cannon. Dose-limiting toxicity following hypofractionated dose-Escalated radiotherapy in non-small-cell lung cancer. *The Journal of Clinical Oncology*. Vol. 31 (2013), pp. 4343-8. PMID: 24145340.
- [162] Martinez, EE, D Sinha, W Wang, SR Lipsitz, and RJ Chappell. “Tests for equivalence of two survival functions: alternative to the tests under proportional hazards.” *Statistical Methods in Medical Research*. Vol. 26 (2017), pp. 75-87. PMCID: 24925887
- [162] Smith, CB, CJ Booth, GL Wadzinski, R Chappell, CJ Johnson, and JA Pedersen. “Humic substances interfere with detection of pathogenic prion protein.” *Soil Biology and Biochemistry*. Vol. 68 (2014), pp. 309-316.
- [163] Wichmann, MA, KJ Cruickanks, CM Carlsson, R Chappell, ME Fischer, BEK Klein, R Klein, MY Tsai and CR Schubert. “Long-term systemic inflammation and cognitive impairment in a population-based cohort.” *The Journal of the American Geriatric Society*. Vol. 62 (2014), pp. 1683-1691. PMID: 25123210.
- [164] Chuang-Stein, C, D Follman, and R Chappell. Discussion of “University of Pennsylvania 6th annual conference on statistical issues in clinical trials: Dynamic treatment regimes (afternoon session).” *Clinical Trials: Journal of the Society for Clinical Trials*. Vol. 11 (2014), pp. 457-466. PMID: 25053777.
- [165] Yoon, H, MP Mehta, K Perumal, IB Helenowski, RJ Chappell, E Akture, Y Lin, MH Marymont, S Sejjpal, A Parsa, J Chandler, BR Bendox, J Rosenow, S Salamat, P Kumthekar, J Raizer, and MK Baskaya. “Atypical meningioma: randomized trials are required to resolve Contradictory retrospective results regarding the role of adjuvant radiotherapy.” *The Journal of Cancer Research and Therapeutics*. Vol. 11 (2015), pp. 59-66.
- [166] Hotujec, B, R Spencer, M Donnelly, S Bruggink, S Rose, A Al-Niaimi, R Chappell, S Stewart, and DM Kushner. “Transversus abdominis plane block in robotic gynecologic oncology: a randomized, placebo-controlled trial.” *Gynecologic Oncology*. Vol. 136 (2015), pp. 460-465. PMID: 25462201.
- [167] Bradshaw, TJ, SR Bowen, M Deveau, L Kubicek, P White, SM Bentzen, RJ Chappell, L Forrest, and R Jeraj. “Molecular imaging biomarkers of resistance to radiation therapy for spontaneous nasal tumors in canines.” *International Journal of Radiation Oncology, Biology, Physics*. Vol. 91 (2015), pp. 787-795. PMID: 25752393 .
- [168] Lee, AWM, RKC Ngan, SY Tung, A Cheng, DLW Kwong, TX Lu, ATC Chan, LLK Chan, H Yiu, WT Ng, F Wong, KT Yuen, S Yau, FY Cheung, OSH Chan, H Choi, and R Chappell. “Preliminary results of trial NPC-0501 evaluating the therapeutic gain by changing from concurrent-adjuvant to induction-concurrent chemoradiotherapy, changing from fluorouracil to capecitabine, and changing From conventional to accelerated radiotherapy fractionation in patients with locoregionally advanced nasopharyngeal carcinoma.” **Cancer**. Publication online on 12/19/2014. PMID: 25529384

- [169] LaFontaine, M, L Forrest, LS McDaniel, R Chappell, R Jeraj, and L Kubicek. "Patient characteristics influencing the variability of distributed parameter based models In DCE-CT kinetic analysis." *Veterinary and Comparative Oncology*. Vol. 15 (2017), pp. 105-117. PMID: 25702795.
- [170] Li, C, NM Dowling and R Chappell. "Quantile Regression with a Change-point Model for the Longitudinal Examination of Cognitive Function in Preclinical Alzheimer's Disease." *Biometrics*. Vol. 71 (2015), pp. 625-635. PMID: PMC4575281
- [171] Raval, AN, EG Schmuck EG, G Tefera, C Leitzke C, CV Ark CV, D Hei, JM Centanni, R de Silva, J Koch, R Chappell, and P Hematti. "Bilateral administration of autologous CD133+ cells in ambulatory patients with refractory critical limb ischemia: lessons learned from a pilot randomized, double-blind, placebo-controlled trial." *Cytotherapy*. Epub Sep 18 2014; PMID: 25239491.
- [172] Wichmann, MA, KJ Cruickshanks, CM Carlsson, R Chappell, ME Fischer, BEK Klein, R Klein, and CR Schubert. "NSAID use and incident cognitive impairment in a population-based cohort." *Alzheimer's Disease and Associated Disorders*. Vol. 30 (2016), pp. 805-14; PMID: 4670291.
- [173] Zhong, W, KJ Cruickshanks, CR Schubert, CM Carlsson, RJ Chappell, BE Klein, R Klein, and CW Acher. "Pulse wave velocity and cognitive function in older adults." *Alzheimer Disease and Associated Disorders*. Vol. 14 (2014), pp. 44-99; PMID: 23632267
- [174] Ithapu, VK, V Singh, OC Okonkwo, RJ Chappell, NM Dowling, SC Johnson, and the Alzheimer's Disease Neuroimaging Initiative. "Imaging-based enrichment criteria using deep learning algorithms for efficient clinical trials in mild cognitive impairment." *Alzheimer's & Dementia*. Publication online, 7/2015.
- [175] McDaniel, LS, M Yu, and R Chappell. "Sample Size Under the Additive Hazards Model." *Clinical Trials: the Journal of the Society for Clinical Trials*. Vol. 13 (2016), pp. 188-198.
- [176] Clark, LR, AM Racine, RL Kosciak, OC Okonkwo, CD Engelman, CM Carlsson, S Asthana, BB Bendlin, R Chappell, CR Nicholas, HA Rowley, JM Oh, BP Hermann, MA Sager, BT Christian, and SC Johnson. "Beta-amyloid and cognitive decline in late middle age: Findings from the WRAP study." *Alzheimer's & Dementia*. Vol. 12 (2016), pp. 805-814. PMID: PMC4947439.
- [177] Morris, ZM, S Saha, WJ Magnuson, JF Borkenhagen, A Ching, V McMurry, D Francis, PM Harari, R Chappell, S Tsuji, and M Ritter. "Increased pathologic complete response rate to neoadjuvant therapy among rectal cancer patients incidentally taking an angiotensin converting enzyme inhibitor or angiotensin receptor blocker." *Cancer*. Vol. 122 (2016), pp. 2487-95. PMID: PMC4998053.
- [178] Chappell, R, and X Zhu. "Describing Differences in Survival Curves." An invited commentary in *JAMA Oncology*. Published online April 28, 2016.
- [179] Fischer, B, RL Bacher, B Bendlin, A Birdsill, M Ly, SM Hoscheidt, R Chappell, J Mahoney, and C Gleason. "An examination of brain abnormalities and mobility in individuals with cognitive impairment." *Frontiers in Aging Neuroscience*. Published online April 5, 2017. PMID: PMC5380746.

- [180] Lee, AWM, SY Tung, WT Ng, V Lee, RKC Ngan, HCW Choi, LLK Chan, L Siu, AWY Ng, TW Leung, HHY Yiu, B O'Sullivan, and R Chappell. "A Multicentre, phase 3, randomised trial on concurrent chemoradiotherapy plus adjuvant chemotherapy versus radiotherapy alone in patients with regionally advanced nasopharyngeal carcinoma: 10-year outcome on efficacy and toxicity." *Cancer*. Vol. 123 (2017), pp. 4147-4157
- [181] Turski, CA, A Kessler-Jones, C Chow, B Hermann, D Hsu, J Jones, S Seeger, R Chappell, M Boly, C Ikonomidou. "Extended Multiple-Field High-Definition transcranial direct current stimulation (HD-tDCS) is well tolerated and safe in healthy adults." *Restorative Neurology and Neuroscience*. Vol. 35 (2017), pp. 631-642.
- [182] Kosciak, R, E Jonaitis, L Clark, K Mueller, S Allison, C Gleason, R Chappell, B Hermann, and S Johnson. "Longitudinal standards for midlife cognitive performance: Identifying abnormal within-person changes in the Wisconsin Registry for Alzheimer's Prevention." *The Journal of the International Neuropsychological Society*. Vol. 14 (2017), pp. 441-450. PMID: 30482257.
- [183] Ablove, T, L Bell, H Liang, RJ Chappell, H Toklu, and SH Yale. "The Effect of Solifenacin on Post Void Dribbling in Women: Results of a Randomized, Double-Blind Placebo-Controlled Trial." *The International Urogynecology Journal*. Vol. 7, (2018), pp. 1051-1060.
- [184] Ng, WT, SY Tung, V Lee, RKC Ngan, HCW Choi, LLK Chan, TW Leung, LL Siu, TX Lu, T Tan, EH Tan, HCK Sze, AWY Ng, HHY Yiu, B O'Sullivan, R Chappell, and AWM Lee. "Concurrent-Adjuvant Chemoradiation Therapy for Stage III-IVB Nasopharyngeal Carcinoma - Exploration for Achieving Optimal 10-Year Therapeutic Ratio." *The International Journal of Radiation Oncology Biology Physics*, Published Online 6/6/2018.
- [185] Harrison, R, J McNamara, C Beaumont, E Sadowski, RJ Chappell, M Shahzad, R Spencer, A Al-Niaimi, L Barroilhet, SL Rose, and DM Kushner. "Utilizing Simple Radiologic Measurements to Anticipate Surgical Challenge in Endometrial Cancer: A Prospective Study." *International Journal of Gynecological Cancer*. Vol. 29 (2019), pp. 102-107.
- [186] Kosciak R, D Norton, S Allison, E Jonaitis, L Clark, K Mueller, B Hermann, C Engelman, R Chappell, and S Johnson. "Characterizing the effects of sex, APOE4, and literacy on mid-life cognitive trajectories: Application of Information-Theoretic model-averaging and multi-model inference techniques to the Wisconsin Registry for Alzheimer's Prevention Study." *The Journal of the International Neuropsychological Society*. Published online 12/7/2018. PMID 30522545.
- [187] Chappell R. "Comment on Vickers *et al.*" A refereed letter in *Clinical Trials: the Journal of the Society of Clinical Trials*. Published online 10/13/2018.
- [188] Chappell, R, V Durkalsi, and S Joffe. "University of Pennsylvania ninth annual conference on statistical issues in clinical trials: Where are we with adaptive clinical trial designs? (morning panel discussion)." *Clinical Trials: the Journal of the Society of Clinical Trials*. Published online 8/19/2017; pp. 441-450.
- [189] McDaniel, LS, M Yu, and R Chappell. "Analysis and Design of Clinical Trials Using Additive Hazards Survival Endpoints." *Statistics in Biopharmaceutical Research*. Published online 5/8/2019.

- [190] Paulsen, AJ, C Schubert, A Pinto, CM Carlsson, R Chappell, M Fisher, BE Klein, R Klein, M Tsai, and KJ Cruickshanks. "Neuroprotective biomarkers and cognitive function in a long-term prospective population-based study of aging U.S. adults." To appear in *Alzheimer Disease & Associated Disorders*.

BIBLIOGRAPHY - PAPERS NOT (YET) PUBLISHED IN REFEREED JOURNALS

- [1] Schubert, CR, ME Fischer, KJ Cruickshanks, A Pinto, R Chappell, B EK Klein, and R Klein. "Cardiovascular Risk Factors and Healthy Brain Aging: the Epidemiology of Hearing Loss Study." Submitted to *Experimental Gerontology*.
- [2] Chen, X, K Chen, J Dey, X Wang, Y Zheng, and R Chappell. "Comparison of survival distributions in clinical trials: a practical guidance." Submitted to *Clinical Trials: Journal of the Society for Clinical Trials*.
- [3] Lee, AWM, RKC Ngan, WT Ng, SY Tung, AAC Cheng, DLW Kwong, TX Lu, ATC Chan, LLK Chan, HCK Sze, HHY Yiu, FCS Wong, KT Yuen, R Chappell, and HCW Choi. "NPC-0501 Trial on the value of Changing Chemoradiotherapy Sequence, Replacing Fluorouracil with Capecitabine, and Altering Fractionation for Advanced Nasopharyngeal Carcinoma." Submitted to *Journal of Clinical Oncology*.
- [4] Rajput, F, L Du, R Chappell, T Berei, and J Wright. "Comparative efficacy and safety of intravenous verapamil and diltiazem for rate control in rapidly conducted atrial fibrillation and atrial flutter." Submitted to *Journal of Hospital Medicine*.
- [5] Santiago-A'vila, FJ, R Chappell, and A Treves. "Liberalizing the killing of endangered wolves associated with more disappearances of collared individuals." Submitted to *Science*.

BIBLIOGRAPHY - BOOK CHAPTERS & ENCYCLOPEDIA ENTRIES

- [1] Johnson, RA and R Chappell. "Exponential regression with applications". In *Handbook of the exponential distribution: theory, methods and applications*. N. Balakrishnan and A. Basu, eds. Gordon and Breach: Amsterdam. 1995.
- [2] Chappell, R. Chapters I.2.1, "Natural variation and bias" and II.2.2, "Confirmatory and exploratory research". In *Introduction to Clinical Trials*. J. Karlberg and K. Tsang, eds. The Clinical Trials Centre: Hong Kong. 1998.
- [3] Chappell, R and J Fine. "Logistic regression". In *Encyclopedia of Biopharmaceutical Statistics*. W.S. Chow, ed. Marcel Dekker: New York. 2003.
- [4] Chappell, R. "Analysis of clinical studies - three examples". In *Modelling in Radiation Biology*. R. Dale and B. Jones, eds. The British Institute of Radiology: London. 2007.
- [5] DeMets, DL, R Chappell and TC Casper. "Study Design". In *Introduction to Statistical Methods for Clinical Trials*. T.D. Cook and D.L. DeMets, eds. Taylor & Francis: London. 2007.
- [6] Casper, TC and R Chappell. "Randomization". In *Introduction to Statistical Methods for Clinical Trials*. T.D. Cook and D.L. DeMets, eds. Taylor & Francis: London. 2007.

- [7] Berger, VW, WC Grant, T Dupin-Spriet and R Chappell. "Randomization Procedures". In *The Wiley Encyclopedia of Clinical Trials*. R. D'Agostino, L. Sullivan and J. Massaro, eds. Wiley: New York. 2008.
- [8] Peng, L, H Jiang, R Chappell and JP Fine. "An overview of semi-competing risks problems". In *Statistical Advances in the Biomedical Sciences: Clinical Trials, Epidemiology, Survival Analysis and Bioinformatics*. A Biswas, S Datta, JP Fine and MR Segal, eds. Wiley: New York. 2008.
- [9] Chappell, R. "Non-inferiority Trials". In *Clinical Trials in Neurology: From Idea to Implementation*. B Ravina, J Cummings, M McDermott, and RM Pool, eds. Cambridge U. Press: New York. 2012.

SERVICE TO PROFESSIONAL JOURNALS

2006-2008 - Editorial board, *Journal of Clinical Oncology*.

1996-1998 - Associate editor, *International Journal for Radiation Oncology Biology and Physics*.

Referee for *Journal of Alzheimers Disease*, *International Journal for Radiation Oncology Biology and Physics*, *Anesthesiology*, *Journal of Clinical Oncology*, *Biostatistics*, *Cancer Detection and Prevention*, *Journal of Theoretical Biology*, *Journal of Gerontology: Medical Sciences*, *Statistica Sinica*, *Biometrics*, *Journal of the American Statistical Association*, *Computational Statistics and Data Analysis*, *Statistics and Probability Letters*, *Journal of Computational and Graphical Statistics*, *Oncology*, *Proceedings of the American Mathematical Society*, *Journal of Agricultural, Biological and Environmental Statistics*, and *Statistics in Medicine*.

PROFESSIONAL ACTIVITIES

Member, Scientific Review Committee, Veterans Administration Clinical Trials Research Program (2018 - present).

Scientific Review Committee, Singapore Health Service Grants Program (1/18)

Member, External Advisory Board for the Mayo Clinic Alzheimer's Disease Research Center (2017-present).

Organizer, session in memory of Daniel Sargent, 2017 Society for Clinical Trials Meeting.

Member, NIH Alzheimer's Disease Center Data Core Steering Committee (2016-2018).

Member, U.S. Food and Drug Administration's Obstetric Devices Advisory Committee, 2015-2019; Consultant to the same, 2019-2023.

Member, Young Investigators Award and Career Development Award Grants Review Committee of the American Society for Clinical Oncology, 2015-2017.

Member, Program Committee of the Eastern North America region of the Biometric Society (2014-2015).

Member, Education Committee of the Eastern North America region of the Biometric Society (2014-2015).

Member, Nominations Committee of the Society for Clinical Trials (2013-2014).

President-elect (2010-11), President (2011-2012), and Past-President (2012-2013), Society for Clinical Trials.

Member, Publications Committee of the Society for Clinical Trials (2006-2010).

Consultant to the U.S. Food and Drug Administration's Pediatric Advisory Committee, Office of Pediatric Therapeutics (9/2011 - 2015).

Consultant, U.S. Food and Drug Administration's General and Plastic Surgery Devices Panel of their Medical Devices Advisory Committee, Center for Devices and Radiological Health (3/2011 - 2013).

Member, U.S. Food and Drug Administration's Cellular, Tissue and Gene Therapies Advisory Committee (6/2006 - 3/2010).

Member, Biostatistical Methods and Research Design Study Section, Center for Scientific Review, National Institutes of Health (7/2009 and 6/2007).

Member, Program Committee for the American Society for Clinical Oncology (2008-2009).

Member, Committee of Fellows of the American Statistical Association (2008 - 2010).

Chair, Nominations Committee of the Society for Clinical Trials (2004-2006).

Elected to the Board of Directors of the Society for Clinical Trials (2004-2007).

Program committee, 2004 meeting of the Society for Clinical Trials.

Member, National Institute of Neurologic Diseases and Stroke Scientific Review Committee (2003 - 2006).

Member, Nominations Committee of the Eastern North America region of the Biometric Society (2001-2003).

Member, Nominations Committee of the Society for Clinical Trials (2002).

Program committee member, 2002 meeting of the Society for Clinical Trials.

Co-organizer, 1999 Upper Midwest Biostatistics Symposium, a regional biostatistics symposium held in Rochester, Minnesota.

Program committee member, 2001 meeting of the Society for Clinical Trials.

Program chair for the Spring 1998 meeting of the Eastern North America Region of the Biometric Society in Pittsburgh.

Chairman (1995 - 1999) and member (1992 - 1999), Student Scholarship Committee of the Society for Clinical Trials.

Member, Children's Cancer Group; member of two committees supervising national multicenter clinical trials of therapies for children with acute lymphoblastic leukemia (1995 - 1998).

Founding member, International Nasopharyngeal Carcinoma Study Group (1998 - present), a Hong Kong based cancer group conducting randomized clinical trials on NPC.

Member, Case Studies Competition Committee of the Eastern North America Region of the Biometric Society (1994 - 1997).

Member, Regional Advisory Board of the Eastern North America Region of the Biometric Society (1991 - 1993).

Protocol Reviewer, 1997, U.S. Veterans Administration.

Protocol Reviewer, 1997, U.S. National Institute of Aging.

Protocol Reviewer, 1998 - 2000, for the Consortial Center for Chiropractic Research of the United States Department of Health and Human Services.

Grant Referee, 1993 Radiation Study Section of the U.S. National Institutes of Health.

INVITED TALKS (CONFERENCE CONTRIBUTED TALKS OMITTED)

Invited speaker at the November 1990 meeting of the American Statistical Association, Northwest Illinois chapter.

Discussant at the August 1990 meeting of the American Statistical Association.

Invited speaker at the 1990 meeting of the Society of Clinical Trials.

Invited speaker at the 1990 meeting of the American Statistical Association.

Invited speaker, 2/91, at the University of Wisconsin Department of Human Oncology Grand Rounds: "Refining Dukes's classification in colorectal adenocarcinoma".

Invited speaker, 5/91, at the University of Illinois - Chicago Department of Epidemiology and Biostatistics: "Parametrically modeling the compression of morbidity".

Invited speaker, Fourth International Conference on Dose, Time, and Fractionation in Radiation Oncology; September, 1992 in Madison, WI.

Invited speaker at the 1993 meeting of the American Statistical Association.

Invited speaker, 10/94, at the University of Illinois - Urbana/Champaign Department of Statistics: "Modeling dose and local control in radiotherapy."

Invited speaker, 5/97, at the University of Hong Kong Clinical Trials Centre: "American Clinical Trials in Children's Cancer: Why a cooperative effort?"

Invited speaker, 5/97, at the Conference on Mathematical Models in Medical and Health Sciences at Vanderbilt University: "An Alternative to the Cure Rate parametrization when Modeling Tumor Control" (cancelled due to illness).

Invited speaker, 6/97, for the Wisconsin Teacher Enhancement Program In Biology of the U.W. Department of Genetics in their *Science and Society* series: "How to teach statistics."

Invited speaker, 8/97, at the University of Wisconsin Comprehensive Cancer Center Grand Rounds: "History and Scientific Issues in Pediatric Cancer Trials."

Invited speaker, Fifth International Conference on Dose, Time, and Fractionation in Radiation Oncology; 9/97 in Madison, WI.: "Estimating tumor volume using the linear quadratic formula."

Invited speaker, 10/97, at the Department of Biostatistics, University of Michigan School of Public Health: "Survival analysis under monotone hazards."

Invited speaker, 10/97, at the University of Michigan Cancer Center Grand Rounds: "History and Scientific Issues in Pediatric Cancer Trials."

Invited speaker, 11/97, at the Department of Biostatistics, Medical College of Wisconsin: "Estimating tumor volume using the linear quadratic formula."

Invited speaker, 12/97, at the UW Breast Cancer Management Workshop and Consensus Conference, Madison Sheraton-Expo Center.

Invited speaker on three occasions, 2/98 - 5/98, to the Statistical Consulting Group of the European Organization for Research and Treatment of Cancer.

Invited speaker, 4/98, to the Department of Applied Mathematics at the Universite des Sciences Sociales, Toulouse, France: "Monotone hazard estimation."

Invited speaker, 5/98, to the Data Center of the European Organization for Research and Treatment of Cancer: "Clinical trials in children's cancer: some history and scientific issues."

Invited speaker, 5/98, to the Department of Applied Mathematics at the University of Ghent, Belgium: "Monotone hazard estimation."

Invited speaker, 5/98, at the International symposium celebrating the 10th anniversary of the Biostatistics Program at the Limburgs University Centre, Diepenbeek, Belgium: "Models for responses to radiation therapy in cancer."

Invited speaker, 5/98, to the Biostatistics Program at the Limburgs University Centre, Diepenbeek, Belgium: "Monotone hazard estimation."

Faculty, 6/98, in the short course "Clinical trial statistics for nonstatisticians," sponsored by the European Organization for Research and Treatment of Cancer and the European School of Oncology.

Faculty, 9/98, in the short courses "Clinical trials research methodology" and "Statistical methods in clinical trials", sponsored by the University of Hong Kong Faculty of Medicine's

Clinical Trials Centre.

Invited speaker, 12/98, in the University of Wisconsin Cancer Center colloquium: "Phase I Trials for Long-Term Toxicities."

Invited speaker, 1/99, at TAP Pharmaceutical Company of Deerfield, WI: "Phase I Trials for Chemopreventive Agents."

Faculty, 6/99, in the short course "Clinical trial statistics for nonstatisticians," sponsored by the European Organization for Research and Treatment of Cancer and the European School of Oncology.

Invited speaker, 5/99, at the Frontier Science and Technology Research Foundation Retreat in Longboat Key, Florida: "Phase I trials for long-term toxicities."

Invited speaker, 11/99, at the University of Minnesota Dept. of Biostatistics

After-dinner speaker, 6/00, at a Columbia University symposium in honor of the retirement of Paul Meier: "Seven things I have learned from Paul Meier."

Invited speaker, 4/01, at the University of Wisconsin Radiotherapy Fellows' seminar: "The proportional hazards model and its use in radiation oncology."

Invited speaker, 8/01, at the Sixth International Conference on Dose, Time and Fractionation in Radiation Oncology in Madison, Wisconsin: "Phase I designs to meet the challenges of Radiotherapy."

Instructor of an educational workshop on regression models, 8/01, at the Sixth International Conference on Dose, Time and Fractionation in Radiation Oncology in Madison, Wisconsin.

Invited speaker, 10/01, at the University of Missouri Department of Statistics: "Bivariate Survival Analysis."

Invited speaker, 12/01, at the M.D. Anderson Cancer Center Department of Biostatistics: "Bivariate Survival Analysis with Missing Data: Two Examples."

Invited speaker, 3/02, at the University of Wisconsin Radiotherapy Fellows' seminar: "A Meta-Analysis Primer."

Invited speaker, 5/02, at the Society for Clinical Trials' annual meeting: "Paradoxes in Equivalence Trials: It is Time to Readjust Your Intuition."

Invited speaker, 10/02, at the University of Illinois-Champaign/Urbana Department of Statistics: "Modern Designs for Phase I Cancer Clinical Trials".

Invited speaker, 11/02, at the University of Illinois-Chicago Department of Epidemiology: "Three New Designs for Phase I Trials."

Invited speaker, 10/03, at Glaxo-Smith-Kline, "New Designs for Phase I Trials"

Invited speaker, 1/03, at the American Society for Experimental Neurotherapeutics' annual meeting in Washington, D.C., reinvited to present at the 1/04 meeting in Washington's plenary session: "Equivalence Trials in Neurology".

Invited speaker, 2/04, at the Medical University of South Carolina: "Design Issues in Equivalence Trials".

Invited speaker, 3/04, at the Eastern North America Region of the Biometric Society's annual meeting: "Choice of Scale in Equivalence Trials".

Invited speaker, 10/04, at the Radiation Therapy Oncology Group data center in Philadelphia: "Phase I Trials in Radiation Oncology".

Invited speaker, 11/04, at the Department of Biostatistics, University of Michigan School of Public Health: "Design Issues in Equivalence Trials" and "Phase I Trials in Cancer" (two talks).

Overseas Scholar, 1/05, invited for a week of talks by the Hong Kong Hospital Authority, Hong Kong SAR, China.

Invited speaker, 2/05, at the Virginia Commonwealth University Medical School Department of Radiation Oncology's faculty retreat, "Phase I Trials for Radiation Oncology".

Discussant in nutraceuticals session, 5/06, at the Society for Clinical Trials' annual meeting.

Speaker and organizer of session, 7/06, at the International Biometrics Society's biannual meeting: "A practicum on interval censored data".

Invited speaker at Glaxo-Smith-Kline's 2006 research retreat, Charlotte, North Carolina.

Invited speaker, 11/06, at the American Association for Cancer Research conference "Frontiers in Cancer Prevention Research" in Boston.

Invited discussant, 10/07, Institute of Medicine's National Cancer Policy Forum workshop "Improving the Quality of Cancer Clinical Trials".

Faculty, 8/07, 2007 ASCO/AACR Vail Workshop on Methods in Clinical Cancer Research.

Invited speaker, 10/07, at Columbia University's Department of Biostatistics.

Invited speaker, 12/07, at the M.D. Anderson Cancer Center's Department of Biostatistics.

Invited speaker, 12/07, at Baylor Medical School's Department of Biostatistics.

Invited speaker, 4/08, at the American Society for Pediatric Hematology Oncology' annual meeting in Cincinnati.

Faculty, 8/08, 2008 ASCO/AACR Vail Workshop on Methods in Clinical Cancer Research.

Keynote speaker, 9/08, workshop on "Missing information in survival data beyond right censoring" in Ghent, Belgium.

Invited speaker, 12/08, Scientific Symposium on Nasopharyngeal Carcinoma in Hong Kong, sponsored by Roche Pharmaceuticals, inc.

Invited speaker, 7/09, 2009 Korean Cancer Study Group meeting in Seoul, South Korea.

Faculty, 8/09, 2009 ASCO/AACR Vail Workshop on Methods in Clinical Cancer Research.

Invited speaker, 5/10, Conference on Frontiers in Applied and Computational Mathematics at the New Jersey Institute of Technology.

Faculty, 8/10, 2010 ASCO/AACR Vail Workshop on Methods in Clinical Cancer Research.

Invited speaker, 8/10, Joint Statistical Meeting in Vancouver.

Invited speaker, 10/10, Northern Illinois University.

Invited discussant, 5/11, Society for Clinical Trials Meeting in Vancouver.

Invited discussant, 6/11, Western North American Region of the International Biometric Society.

Faculty, 8/11, 2011 ASCO/AACR Vail Workshop on Methods in Clinical Cancer Research.

Invited speaker, 10/11, Memorial Sloan-Kettering Cancer Center.

Invited speaker, 11/11, M.D. Anderson Cancer Center.

Invited speaker, 4/12, Northwestern University Medical School.

Faculty, 8/12, 2012 ASCO/AACR Vail Workshop on Methods in Clinical Cancer Research.

Keynote speaker at the Roche/Genentech Global Biostatistics Conference in Monterey, California, 8/12.

Invited panel discussant, 4/13, University of Pennsylvania Workshop on Clinical Trials.

Faculty, 8/13, 2013 ASCO/AACR Vail Workshop on Methods in Clinical Cancer Research.

Invited speaker, 10/13, University of Rochester Department of Biostatistics.

Faculty, 8/14, 2014 ASCO/AACR Vail Workshop on Methods in Clinical Cancer Research.

Invited speaker, 3/15, Louisiana State University Department of Health Sciences.

Invited speaker, 10/15, University of North Carolina Department of Biostatistics.

Invited speaker, 9/15, 10/15, 1/16, and 5/16, AbbVie Pharmaceuticals

Invited speaker, 2/16, Yokohama City University of Department of Biostatistics.
Invited to deliver a week of short courses, 3/16, Duke-National University of Singapore Medical School
Invited panel discussant, 4/16, University of Pennsylvania Workshop on Clinical Trials.
Invited speaker, 5/17, University of Connecticut Lifetime Data Analysis Workshop.
Invited lecturer for a 10 hour course on Clinical Trials, 3/17, East China Normal University, Shanghai.
Invited speaker, 3/17, Pfizer Pharmaceuticals, Shanghai.
Invited speaker, 3/17, Shanghai chapter of the Investigational Drugs Association.
Invited lecturer for a four-talk series at the Sun Yat Sen University (Guangzhou) Statistics Department and Medical School, 12/17.
Invited speaker at the Society for Clinical Trials annual meeting, 5/2018.
Invited speaker, 6/18, Oncostat Symposium on Dose Selection for Cancer Treatment Drugs, Chicago.
Faculty, 8/18, 2018 ASCO/AACR Vail Workshop on Methods in Clinical
Invited discussant, 9/18, ASA Biopharmaceutical Section Regulatory-Industry Statistics Workshop.
Faculty, 8/19, 2019 ASCO/AACR Vail Workshop on Methods in Clinical

Invited speaker, 3/19 meeting of the Eastern North America Region of the Biometric Society.
Special invited address, also educational workshop, 12/2019 meeting of the International Indian Statistical Association.

RECENT TALKS AT THE UNIVERSITY OF WISCONSIN

Speaker, 10/17, Institute for Clinical Translation and Research.
Invited speaker, 2/15, UW School of Education Interdisciplinary Training Program.
Invited speaker, 2/15, UW School of Medicine and Public Health Centennial Scholars Program.
Invited speaker, 1/15 (twice), University of Wisconsin Department of Human Oncology resident seminar.
Speaker, 10/14, Wisconsin Alzheimer's Institute "Monday Lab Meetings".
Invited speaker, 6/14, University of Wisconsin Department of Human Oncology resident seminar.
Invited speaker, 5/14, University of Wisconsin Alzheimer's Disease Research Center seminar.
Invited speaker, 3/14, University of Wisconsin Department of Neurology Grand Rounds.

SERVICE TO THE UNIVERSITY OF WISCONSIN (in addition to routine departmental committee memberships)

2016-: Organizer, Department of Biostatistics and Medical Informatics course schedule.
2018-: Faculty director, Biostatistics core of the SMPH Institute for Clinical and Translational Research
2018: Member of the University Library Committee
2017-: Member, Mentoring Committee for Assistant Professor Guanhua Chen.

2016-: Member, Mentoring Committee for Assistant Professor Anru Zhang.

2010-: Data Management and Biostatistics Core director, UW Alzheimers Disease Research Center

2012-: Thesis mentor for several Statistics undergraduate students (1-2 each year).

2014-2016: Member of the School of Medicine and Public Health Tenure Track Promotions Committee.

2006-2008: member, Admissions Committee, School of Medicine and Public Health.

2005 - 2008: Elected member, Faculty Advisory Committee, School of Medicine and Public Health.

July, 2004 and July, 2005: Faculty for *Short Course in Clinical Research* conducted by the Medical School's Clinical Investigator Preparatory Program.

2003 - 2006: Elected member, campus-wide Committee on Faculty Rights and Responsibilities.

2001 - 2006: Member, Comprehensive Cancer Center Protocol Review and Monitoring Committee (formerly Clinical Affairs Committee), which meets biweekly to review clinical protocols.

2005 - 2009: Chair, mentoring committee for Assistant Professor Sunduz Keles.

2005 - 2011: Member, mentoring committee for Assistant Professor Ronald Gangnon.

2003 - 2004: Member, mentoring committee for Assistant Scientist Rebecca Koscik.

2001 - 2003: Chair, Department of Statistics Graduate Admissions Committee.

1996 - 1999: mentoring committee for Assistant Professor Mary Lindstrom.

1997 - 2000: mentoring committee for Assistant Professor Jeffrey Douglas.

1997 - 2000: Member, University of Wisconsin Health Sciences Human Subjects Committee.

Spring, 2000: Member, Department of Preventive Medicine Faculty Search Committee.

Fall, 1998: presentation on the placebo effect to Zoology 220, Biology and Society.

Fall, 1995 - Spring, 1997: Comprehensive Cancer Center Scientific Review Committee.

Fall, 1996 - Spring, 1997: Chairman, Department of Statistics Computing Committee.

1991 - 1994: Reader of mathematics and statistics textbooks for the University of Wisconsin McBurney Disability Resource Center.

1993 - 1996: Faculty advisor for the University of Wisconsin College Bowl Team.

EDUCATIONAL MISSION

Graduation date appended when applicable

Supervisor - Furqan Rajput, UW SMPH Clinical Investigations M.S. Student, 2019.

Supervisor - Chaoqun Mei, UW SMPH Clinical Investigations Ph.D. Student.

Supervisor - Thevaasinen Chandereeng, Statistics Ph.D. Student.

Supervisor, joint with Beth Meyerand - Barbara Wendelberger, University Committee Degree, 2016.

Supervisor, joint with Menggang Yu - Lee McDaniel, Statistics Ph.D. Student, 2014.

Supervisor - Yunzhi Lin, Statistics Ph.D. Student, 2012.

Supervisor - Chenxi Li, Statistics Ph.D. Student, 2010.

Supervisor - Ting-Li Lin, Statistics Ph.D. Student, 2010.

Supervisor - Bo (Robert) Huang, Statistics Ph.D. Student, 2007.

Supervisor - Xiaodan Wei, Statistics Ph.D. Student, 2006.

Supervisor, joint with Jason Fine - Limin Peng, Statistics Ph.D., 2005.
Supervisor - Zhilong Yuan, Statistics Ph.D., 2005.
Supervisor, joint with Jason Fine - Hongyu Jiang, Statistics Ph.D., 2000.
Supervisor - Ken Y.K. Cheung, Statistics Ph.D., 2000.
Supervisor - Wei Pan, Statistics Ph.D., 1997.
Supervisor - Belle Federman, Biostatistics post-doctoral fellow.
Supervisor - Jim G.G. Gong, Biostatistics post-doctoral fellow.
Supervisor - Ismor Fischer, Biostatistics post-doctoral fellow.
Supervisor - Roger Peng Qu, Biostatistics post-doctoral fellow.
Supervisor - Siu-Kai Chan, Biostatistics post-doctoral fellow.
Recording statistics textbooks for visually impaired University of Wisconsin students, in association with the McBurney Disability Resource Center, 1991 - 1994.
Doctoral Committee - Karann Putrevu, Nelson Institute for Environmental Studies.
Doctoral Committee - Tianjie Wang, Department of Statistics.
Doctoral Committee - Hao Yang Teng, Department of Statistics, 2019.
Doctoral Committee - Luxi Cao, Department of Statistics, 2019.
Doctoral Committee - Yanyao Yi, Department of Statistics, 2019.
Doctoral Committee - Ting Ye, Department of Statistics, 2019.
Doctoral Committee - Lyanne Chin, Department of Nutrition, 2019.
Doctoral Committee - Francisco J. Santiago-Avila, Nelson Institute for Environmental Studies, 2019.
Doctoral Committee - Chensheng Kuang, Department of Statistics
Doctoral Committee - Mike Wurm, Department of Statistics, 2017.
Doctoral Committee - Junbo Son, Department of Mechanical Engineering, 2016.
Doctoral Committee - Jinglan Li, Department of Statistics, 2016.
Doctoral Committee - Aaron Potvien, Department of Statistics, 2017.
Doctoral Committee - Areli A. Zuniga, Department of Human Oncology, 2014.
Doctoral Committee - Yaoyao Xu, Department of Statistics, 2014.
Doctoral Committee - Brittany Schwefel, Department of Statistics, 2014.
Doctoral Committee - Margarete Wichmann, Department of Population Health Sciences, 2013.
Doctoral Committee - Andrew Thurman, Department of Statistics, 2013
Doctoral Committee - Scott Nash, Department of Population Health Sciences, 2013
Doctoral Committee - Jie Zhang, Department of Statistics, 2013
Doctoral Committee - Matthew LaFontaine, Department of Medical Physics, 2012
Doctoral Committee - Guangde Chen, Department of Statistics, 2012
Doctoral Committee - Xinxin Yu, Department of Statistics, 2012
Doctoral Committee - Benjamin Titz, Department of Medical Physics, 2012
Doctoral Committee - Steve Bowen, Department of Medical Physics, 2011
Doctoral Committee - Wenjun Zhong, Department of Population Health Sciences, 2011
Doctoral Committee - SeungBong Han, Department of Statistics, 2010
Doctoral Committee - Ben Haaland, Department of Statistics, 2010
Doctoral Committee - Yulin Zhang, Department of Statistics, 2009

Doctoral Committee, Deyuan Jiang, Department of Statistics, 2009.
Doctoral Committee, T. Charles Casper, Department of Statistics, 2008.
Doctoral Committee, Ruifeng Xu, Department of Statistics, 2007.
Doctoral Committee, Nivedita Nadkarni, Department of Statistics, 2007.
Doctoral Committee, Li Xu, Department of Statistics, 2007.
Doctoral Committee, Lee-Yin Lee, Department of Statistics, 2007.
Graduate Degree Committee, Michelle Roth-Cline, interdisciplinary Ph.D. in the UW Medical School, 2006.
Doctoral Committee - Chunpeng Fan, Department of Statistics, 2007.
Doctoral Committee - Rajat Mukherjee, Department of Statistics, 2007.
Doctoral Committee - Yu Cheng, Department of Statistics, 2006.
Doctoral Committee - Rui Song, Department of Statistics, 2006
Doctoral Committee - Guang Cheng, Department of Statistics, 2006
Doctoral Committee - Niyati Mehta, Department of Nutritional Sciences, 2005
Doctoral Committee - Tara Ficek, Department of Nutritional Sciences, 2003
Doctoral Committee - Jun Yan, Department of Statistics, 2003
Doctoral Committee - Hyungjun Cho, Department of Statistics, 2002
Doctoral Committee - Frank Shen, Department of Statistics, 1999
Doctoral Committee - Tito Mendoza, Department of Educational Psychology, 1996
Doctoral Committee - Paul Peppard, Department of Preventive Medicine, 1996
Doctoral Committee - Fred Yang, Department of Statistics, 1996
Doctoral Committee - Bruce Craig, Department of Statistics, 1996
Doctoral Committee - Wei-Hsiung Chao, Department of Statistics, 1996
Doctoral Committee - Zhengqing Li, Department of Statistics, 1996
Doctoral Committee - Wen-Hsiang Wei, Department of Statistics, 1996
Doctoral Committee - Huagen Tao, Department of Statistics, 1996
Master's Committee - Ramon Diaz-Uriarte, Biometry, 1996
Doctoral Committee - Chin-Fu Hsiao, Department of Statistics, 1996
Doctoral Committee - David Potter, Department of Statistics, 1996
Doctoral Committee - Sandra Martin, Department of Statistics, 1995
Doctoral Committee - Bruce Southey, Department of Meat and Animal Science, 1994
Doctoral Committee - Yuedong Wang, Department of Statistics, 1994
Doctoral Committee - Wen-Da Lo, Department of Statistics, 1993
Doctoral Committee - Joe Yen, Department of Statistics, 1993
Doctoral Committee - Jaya Satagopan, Department of Statistics, 1993
Doctoral Committee - Chia-Wen Ko, Department of Statistics, 1993
Doctoral Committee - Josep Ginebra, Department of Statistics, 1993
Doctoral Committee - David Reboussin, Department of Statistics, 1992
Master's Committee - Michael Miller, Department of Psychology, 1992
Doctoral Committee - Enrico Colosimo, Department of Statistics, 1991
Doctoral Committee - Sinho Jung, Department of Statistics, 1991

Doctoral Committee - Jin-Sying Lin, Department of Statistics, 1991

Master's Committee - Emilia Martins, Department of Zoology, 1991

SELECTED GRANTS RECEIVED

Coinvestigator on a large number of grants for randomized trials and other clinical projects.

2010 - present: Biostatistics and Data Management Core director for Wisconsin Alzheimer's Disease Research Center, S Asthana, P.I., funded by the National Institute of Aging.

2010 - 2016: principal investigator for the University of Wisconsin's Summer Institute in Biostatistics, funding by the National Heart, Lung, and Blood Institute.

1999 - 2004: Core director with 50% support on the multi-component PO1 grant "Improving Cancer Outcome with Adaptive Helical Tomotherapy," M. Mehta, P.I.

1994-1999, National Eye Institute FIRST award grant for five years of one-half salary and other support, assignment number 1 R29 EY10769-01. A one year extension was awarded in 1999.