

PEER-REVIEWED PUBLICATIONS

Murtaugh, P.A. 1981. Selective predation by *Neomysis mercedis* in Lake Washington. *Limnology and Oceanography* 26: 445-453.

Murtaugh, P.A. 1981. Size-selective predation on *Daphnia* by *Neomysis mercedis*. *Ecology* 62: 894-900.

Murtaugh, P.A. 1981. Inferring properties of mysid predation from injuries to *Daphnia*. *Limnology and Oceanography* 26: 811-821.

Murtaugh, P.A. 1983. Mysid life history and seasonal variation in predation pressure on zooplankton. *Canadian Journal of Fisheries and Aquatic Sciences* 40: 1968-1974.

Murtaugh, P.A. 1984. Variable gut residence time: Problems in inferring feeding rate from stomach fullness of a mysid crustacean. *Canadian Journal of Fisheries and Aquatic Sciences* 41: 1287-1293.

Murtaugh, P.A. 1985. Vertical distributions of zooplankton and population dynamics of *Daphnia* in a meromictic lake. *Hydrobiologia* 123: 47-57.

Murtaugh, P.A. 1985. The influence of food concentration and feeding rate on the gut residence time of *Daphnia*. *Journal of Plankton Research* 7: 415-420.

Murtaugh, P.A. 1988. Use of logistic regression in modelling prey selection by *Neomysis mercedis*. *Ecological Modelling* 43: 225-233.

Murtaugh, P.A. 1989. Size and species composition of zooplankton in experimental ponds with and without fishes. *Journal of Freshwater Ecology* 5: 27-38.

Murtaugh, P.A. 1989. The fecundity of *Neomysis mercedis* Holmes in Lake Washington (Mysidacea). *Crustaceana* 57: 194-200.

Murtaugh, P.A., and L.D. Fisher. 1990. Bivariate binary models of efficacy and toxicity in dose-ranging trials. *Communications in Statistics - Theory and Methods* 19: 2003-2020.

Daly, R.C., V.F. Trastek, P.C. Pairolero, **P.A. Murtaugh**, M.-S. Huang, M.S. Allen, and T.V. Colby. 1991. Bronchoalveolar cell carcinoma: Factors affecting survival. *The Annals of Thoracic Surgery* 51: 368-377.

Quivers, E.S., D.J. Driscoll, C.D. Garvey, A.M. Harris, D.M. Huse, **P.A. Murtaugh**, and W.H. Weidman. 1991. The effects of diet on serum cholesterol in children. *Annals of the New York Academy of Sciences* 623: 133-134.

Quivers, E.S., D.J. Driscoll, C.D. Garvey, A.M. Harris, J. Harrison, D.M. Huse, **P.A. Murtaugh**, and W.H. Weidman. 1992. Variability in response to a low-fat, low-cholesterol diet in children with elevated low-density lipoprotein cholesterol levels. *Pediatrics* 89: 925-929.

Crippin, J.S., K.D. Lindor, R. Jorgensen, B.A. Kottke, J.M. Harrison, **P.A. Murtaugh**, and E.R. Dickson. 1992. Hypercholesterolemia and atherosclerosis in primary biliary cirrhosis: What is the risk? *Hepatology* 15: 858-862.

Rowbotham, B.J., A.N. Whitaker, J. Harrison, **P.A. Murtaugh**, P. Reasbeck, and E.J.W. Bowie. 1992. Measurement of crosslinked fibrin derivatives in patients undergoing abdominal surgery: Use in the diagnosis of postoperative venous thrombosis. *Blood Coagulation and Fibrinolysis* 3: 25-31.

- Dickson, E.R., **P.A. Murtaugh**, R.H. Wiesner, P.M. Grambsch, T.R. Fleming, J. Ludwig, N.F. LaRusso, M. Malinchoc, R.W. Chapman, M.M. Kaplan, W.C. Maddrey, R. Williams, M. Farrant, and A. Langworthy. 1992. Primary sclerosing cholangitis: Refinement and validation of survival models. *Gastroenterology* 103: 1893-1901.
- Laskowski, E.R., and **P.A. Murtaugh**. 1992. Snow skiing injuries in physically disabled skiers. *The American Journal of Sports Medicine* 20: 553-557.
- Murtaugh, P.A.**, and L.D. Fisher. 1993. Random-effects model of dependence between efficacy and toxicity in dose-ranging trials. *Communications in Statistics - Simulation and Computation* 22: 507-522.
- Shayeb, J., D. Plevak, S. Rettke, J. Ludwig, G. Kamath, R. Wiesner, B. Myers, **P.A. Murtaugh**, and J. Larson-Keller. 1993. Predictors of primary nonfunction: Is donor liver fat content important? *Transplantation Proceedings* 25: 1974.
- Revord, J.P., J.L. Opitz, **P.A. Murtaugh**, and J. Harrison. 1993. Determining residual urine volumes using a portable ultrasonographic device. *Archives of Physical Medicine and Rehabilitation* 74: 457-462.
- Tazelaar, H.D., F.N. Nilsson, M. Rinaldi, **P.A. Murtaugh**, J.C. McDougall, and C.G.A. McGregor. 1993. The sensitivity of transbronchial biopsy for the diagnosis of acute lung rejection. *The Journal of Thoracic and Cardiovascular Surgery* 105: 674-678.
- Abu-Elmagd, K., M. Malinchoc, E.R. Dickson, J.J. Fung, **P.A. Murtaugh**, A.L. Langworthy, A.J. Demetris, R.A.F. Krom, D.H. Van Thiel, and T.E. Starzl. 1993. Efficacy of hepatic transplantation in patients with primary sclerosing cholangitis. *Surgery, Gynecology & Obstetrics* 177: 335-344.
- Sinaki, M., S. Khosla, P.J. Limburg, J.W. Rogers, and **P.A. Murtaugh**. 1993. Muscle strength in osteoporotic versus normal women. *Osteoporosis International* 3: 8-12.
- Mohr, D.N., M.D. Silverstein, **P.A. Murtaugh**, and J.M. Harrison. 1993. Prophylactic agents for venous thrombosis in elective hip surgery: Meta-analysis of studies using venographic assessment. *Archives of Internal Medicine* 153: 2221-2228.
- Lindor, K.D., E.R. Dickson, W.P. Baldus, R.A. Jorgensen, J. Ludwig, **P.A. Murtaugh**, J.M. Harrison, R.H. Wiesner, M.L. Anderson, S.M. Lange, G. LeSage, S.S. Rossi, and A.F. Hofmann. 1994. Ursodeoxycholic acid in the treatment of primary biliary cirrhosis. *Gastroenterology* 106: 1284-1290.
- Murtaugh, P.A.**, E.R. Dickson, G. van Dam, M. Malinchoc, P.M. Grambsch, A.L. Langworthy, and C.H. Gips. 1994. Primary biliary cirrhosis: Prediction of short-term survival based on repeated patient visits. *Hepatology* 20: 126-134.
- Murtaugh, P.A.** 1994. Statistical analysis of food webs. *Biometrics* 50: 1199-1202.
- van Hoek, B., K.D. Lindor, **P.A. Murtaugh**, J.M. Harrison, R.A.F. Krom, R.H. Wiesner, and D.M. Nagorney. 1994. The role of portosystemic shunts for variceal bleeding in the liver transplant era. *Archives of Surgery* 129: 683-688.
- Wischnack, L.L., R.M. Jacobson, G.A. Poland, S.J. Jacobsen, J.M. Harrison, and **P.A. Murtaugh**. 1995. The surprisingly high acceptability of low-efficacy vaccines for otitis media: A survey of parents using hypothetical scenarios. *Pediatrics* 95: 350-354.
- Murtaugh, P.A.** 1995. Criteria for testing character displacement [Technical Comment]. *Science* 268: 1065.

- Lieber, M.M., **P.A. Murtaugh**, G.M. Farrow, R.P. Myers, and M.L. Blute. 1995. DNA ploidy and surgically treated prostate cancer: Important independent association with prognosis for patients with prostate carcinoma treated by radical prostatectomy. *Cancer* 75: 1935-1943.
- Murtaugh, P.A.** 1995. ROC curves with multiple marker measurements. *Biometrics* 51: 1514-1522.
- Murtaugh, P.A.** 1996. The statistical evaluation of ecological indicators. *Ecological Applications* 6: 132-139.
- Sinaki, M., P.J. Limburg, P.C. Wollan, J.W. Rogers, and **P.A. Murtaugh**. 1996. Correlation of trunk muscle strength with age in children 5 to 18 years old. *Mayo Clinic Proceedings* 71: 1047-1054.
- Murtaugh, P.A.**, and J.P. Kollath. 1997. Variation of trophic fractions and connectance in food webs. *Ecology* 78: 1382-1387.
- van Dam, G.M., B.W. Verbaan, T.M. Therneau, E.R. Dickson, M. Malinchoc, **P.A. Murtaugh**, J.R. Huizenga, and C.H. Gips. 1997. Primary biliary cirrhosis: Dutch application of the Mayo model before and after orthotopic liver transplantation. *Hepato-Gastroenterology* 44: 732-743.
- King, C.E., and **P.A. Murtaugh**. 1997. Effects of asexual reproduction on the neighborhood area of cyclical parthenogens. *Hydrobiologia* 358: 55-62.
- Murtaugh, P.A.**, and D.R. Derryberry. 1998. Models of connectance in food webs. *Biometrics* 54: 754-761.
- Murtaugh, P.A.**, and D.L. Phillips. 1998. Temporal correlation of classifications in remote sensing. *Journal of Agricultural, Biological and Environmental Statistics* 3: 1-12.
- Murtaugh, P.A.** 1998. Methods of variable selection in regression modeling. *Communications in Statistics - Simulation and Computation* 27: 711-734.
- Murtaugh, P.A.**, L.D. Burns, and J. Schuster. 1999. Predicting the retention of university students. *Research in Higher Education* 40: 355-371.
- Murtaugh, P.A.** 2000. Paired intervention analysis in ecology. *Journal of Agricultural, Biological and Environmental Statistics* 5: 280-292.
- Derryberry, D.R., and **P.A. Murtaugh**. 2000. A scale-location adjustment for proportional hazards deviance residuals. *Communications in Statistics - Theory and Methods* 29: 2583-2591.
- Murtaugh, P.A.** 2002. Journal quality, effect size and publication bias in meta-analysis. *Ecology* 83: 1162-1166.
- Murtaugh, P.A.** 2002. On rejection rates of paired intervention analysis. *Ecology* 83: 1752-1761.
- Murtaugh, P.A.** 2003. On detecting hump-shaped relationships in ecology: A bootstrap test for monotonicity. *Environmetrics* 14: 611-616.
- Murtaugh, P.A.** 2003. On rejection rates of paired intervention analysis: Reply. *Ecology* 84: 2799-2802.
- Murtaugh, P.A.**, and D.S. Birkes. 2006. An empirical method for inferring species richness from samples. *Environmetrics* 17: 129-138.
- Murtaugh, P.A.**, and P.S. Pooler. 2006. Evaluating ecological indicators: Lakes in the northeastern United States. *Environmental Monitoring and Assessment* 119: 83-96.

- Murtaugh, P.A.** 2007. Simplicity and complexity in ecological data analysis. *Ecology* 88: 56-62.
- Hoffman, M.A., R.A. Harter, B.T. Hayes, E.M. Wojtys, and **P.A. Murtaugh**. 2008. The interrelationships among sex hormone concentrations, motoneuron excitability, and anterior tibial displacement in women and men. *Journal of Athletic Training* 43(4): 364-372.
- Murtaugh, P.A.** 2008. No evidence for an interactive effect of herbivore and predator diversity on herbivore abundance in the experimental mesocosms of Douglass et al. (2008). *Ecology Letters* 11: E6-E8.
- Murtaugh, P.A.**, and M.G. Schlax. 2009. Reproduction and the carbon legacies of individuals. *Global Environmental Change* 19: 14-20.
- Murtaugh, P.A.** 2009. Performance of several variable-selection methods applied to real ecological data. *Ecology Letters* 12: 1061-1068.
- Murtaugh, P.A.** 2009. Identifying determinants of bird diversity [Letter]. *Ecological Applications* 19: 1960-1963.
- Murtaugh, P.A.** 2010. A probabilistic interpretation of the United Nations' 1995-2005 population projections. *Journal of Population Research* 27: 63-73.
- Murtaugh, P.A.**, S.C. Emerson, P.B. McEvoy, and K.M. Higgs. 2012. The statistical analysis of phenology data. *Environmental Entomology* 41: 355-361.
- Murtaugh, P.A.** 2014. In defense of *P* values. *Ecology* 95: 611-617.
- Murtaugh, P.A.** 2014. Rejoinder. *Ecology* 95: 651-653.