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PUBLICATIONS:

Papers Published in Refereed Journals

Eckert, E., Brown, H.E., **Leslie, K.E.**, DeVries, T.J., Steele, M.A. Weaning age affects growth, feed intake, gastrointestinal development, and behavior in Holstein calves fed an elevated plane of nutrition during the preweaning stage. *Journal of Dairy Science*. 98: 6315-6326. 2015.

Murray, C.F., Haley, D.B., Duffield, T.F., Pearl, D.L., Deelen, S.M., **Leslie, K.E.** A field study to evaluate the effects of meloxicam NSAID therapy and calving assistance on newborn calf vigor, improvement of health and growth in pre-weaned Holstein calves. *The Bovine Practitioner*. 49: 1-12. 2015.

Murray, C.F., Veira, D.M., Nadalin, A.L., Haines, D.M., Jackson, M.L., Pearl, D.L., **Leslie, K.E.** The effect of dystocia on physiological and behavioral characteristics related to vitality and passive transfer of immunoglobulins in newborn Holstein calves. *Canadian Journal of Veterinary Research*. 79: 109-119. 2015.

Zobel, G., **Leslie, K.**, Weary, D.M., von Keyserlingk, M.A.G. Ketonemia in dairy goats: Effect of dry period length and effect on lying behavior. *Journal of Dairy Science*. 98: 6128–6138. 2015.

Zobel, G., Weary, D.M., **Leslie, K.**, Chapinal, N., von Keyserlingk, M.A.G. Technical note: Validation of data loggers for recording lying behavior in dairy goats. *Journal of Dairy Science*. 98: 1082–1089. 2015.

Zobel, G., Weary, D.M., **Leslie, K.**, von Keyserlingk, M.A.G. Invited review: Cessation of lactation: Effects on animal welfare. *Journal of Dairy Science*. In Press. 2015.

Deelen, S.M., Ollivett, T.L., Haines, D.M., **Leslie, K.E.** Evaluation of a Brix refractometer to estimate serum immunoglobulin G concentration in neonatal dairy calves. *Journal of Dairy Science*. 97: 3838–3844. 2014.

Murray, C.F., Windeyer, M.C., Duffield, T.F., Haley, D.B., Pearl, D.L., Waalderbos, K.M., **Leslie, K.E.** Associations of serum haptoglobin in newborn dairy calves

with health, growth, and mortality up to 4 months of age. *Journal of Dairy Science*. 97: 7844–7855. 2014.

Watters, M.E.A., Barkema, H.W., **Leslie, K.E.**, von Keyserlingk, M.A.G., DeVries, T.J. Relationship between post-milking standing duration and risk of intramammary infection in free-stall housed dairy cows milked three times per day. *Journal of Dairy Science*. 97: 3456-3471. 2014.

Windeyer, M.C., **Leslie, K.E.**, Godden, S.M., Hodgins, D.C., Lissemore, K.D., LeBlanc, S.J. Factors associated with morbidity, mortality, and growth of dairy heifer calves up to 3 months of age. *Preventive Veterinary Medicine*. 113: 231–240. 2014.

Chapinal, N., Fitzpatrick, C.E., **Leslie, K.E.**, Wagner, S.A. Short Communication: Automated assessment of the effect of flunixin meglumine on rumination in dairy cows with endotoxin-induced mastitis. *Canadian Journal of Animal Science*. 94: 21–25. 2013.

Zobel, G., **Leslie, K.**, Weary, D.M., von Keyserlingk, M.A.G. Gradual cessation of milking reduces milk leakage and motivation to be milked in dairy cows at dry-off. *Journal of Dairy Science*. 96: 5064–5071. 2013.

Chapinal, N., Fitzpatrick, C.E., **Leslie, K.E.**, Wagner, S.A. *Short communication:* Experimentally induced mastitis reduces weight shifting between the rear legs while standing in dairy cows. *Journal of Dairy Science*. 96: 3039–3043. 2013.

Deming, J.A., Bergeron, R., **Leslie, K.E.**, DeVries, T.J. Associations of cow-level factors, frequency of feed delivery, and standing and lying behaviour of dairy cows milked in an automatic system. *Canadian Journal of Animal Science*. 93: 427–433. 2013.

Watters, M.E.A., Meijer, K.M.A., Barkema, H.W., **Leslie, K.E.**, von Keyserlingk, M.A.G., DeVries, T.J. Associations of herd- and cow-level factors, cow lying behavior, and risk of elevated somatic cell count in free-stall housed lactating dairy cows. *Preventive Veterinary Medicine*. 111: 245-255. 2013.

Deming, J.A., Bergeron, R., **Leslie, K.E.**, DeVries, T.J. Associations of housing, management, milking activity, and standing and lying behavior of dairy cows milked in automatic systems. *Journal of Dairy Science*. 96: 344–351. 2013.

Fitzpatrick, C.E., Chapinal, N., Petersson-Wolfe, C.S., DeVries, T.J., Kelton, D.F., Duffield, T.F., **Leslie, K.E.** The effect of meloxicam on pain sensitivity, rumination time, and clinical signs in dairy cows with endotoxin-induced clinical mastitis. *Journal of Dairy Science*. 96: 2847–2856. 2013.

Heriazon, A., Quinton, M., Miglior, F., **Leslie, K.E.**, Sears, W., Mallard, B.A. Phenotypic and genetic parameters of antibody and delayed-type hypersensitivity responses of lactating Holstein cows. *Veterinary Immunology and Pathology* 154: 83–92. 2013.

McCorquodale, C.E., Sewalem, A., Miglior, F., Kelton, D., Robinson, A., Koeck, A., **Leslie, K.E.** *Short communication*: Analysis of health and survival in a population of Ontario Holstein heifer calves. *Journal of Dairy Science*. 96: 1880-1885. 2013.

Miller-Cushon, E.K., Bergeron, R., **Leslie, K.E.**, DeVries, T.J. Effect of milk feeding level on development of feeding behavior in dairy calves. *Journal of Dairy Science*. 96: 551–564. 2013.

Miller-Cushon, E.K., Bergeron, R., **Leslie, K.E.**, Mason, G.J., DeVries, T.J. Effect of early exposure to different feed presentations on feed sorting of dairy calves. *Journal of Dairy Science*. 96: 4624–4633. 2013.

Miller-Cushon, E.K., Bergeron, R., **Leslie, K.E.**, Mason, G.J., DeVries, T.J. Effect of feed presentation on feeding patterns of dairy calves. *Journal of Dairy Science* 96: 7260–7268. 2013.

Murray, C.F., **Leslie, K.E.** Newborn calf vitality: Risk factors, characteristics, assessment, resulting outcomes and strategies for improvement. *The Veterinary Journal* 198: 322–328. 2013.

Newby, N.C., Duffield, T.F., Pearl, D.L., **Leslie, K.E.**, LeBlanc, S.J., von Keyserlingk, M.A.G. *Short communication*: Use of a mechanical brush by Holstein dairy cattle around parturition. *Journal of Dairy Science* 96: 2339–2344. 2013.

Newby, N.C., Pearl, D.L., LeBlanc, S.J., **Leslie, K.E.**, von Keyserlingk, M.A.G., Duffield, T.F. Effects of meloxicam on milk production, behavior, and feed intake in dairy cows following assisted calving. *Journal of Dairy Science* 96: 3682–3688. 2013.

Newby, N.C., Pearl, D.L., LeBlanc, S.J., **Leslie, K.E.**, von Keyserlingk, M.A.G., Duffield, T.F. The effect of administering ketoprofen on the physiology and behavior of dairy cows following surgery to correct a left displaced abomasum. *Journal of Dairy Science* 96: 1511–1520. 2013.

Newby, N.C., Tucker, C.B., Pearl, D.L., LeBlanc, S.J., **Leslie, K.E.**, von Keyserlingk, M.A.G., Duffield, T.F. *Short communication*: A comparison of 2 nonsteroidal antiinflammatory drugs following the first stage of a 2-stage

fistulation surgery in dry dairy cows. *Journal of Dairy Science* 96: 6514–6519. 2013.

Stanton, A.L., Kelton, D.F., LeBlanc, S.J., Wormuth, J., Fox, L.K., **Leslie, K.E.** Effects of tulathromycin on incidence of various diseases and growth of young heifers. *Journal of the American Veterinary Medical Association* 243: 267-276. 2013.

Bauer, S.A., Pearl, D.L., **Leslie, K.E.**, Fournier, J., Turner, P.V. Causes of obesity in captive cynomolgus macaques: Influence of body condition, social, and management factors on behaviour around feeding. *Laboratory Animals*. 46: 193-199. 2012.

Chapinal, N., Carson, M.E., LeBlanc, S.J., **Leslie, K.E.**, Godden, S., Capel, M., Santos, J.E.P., Overton, M.W., Duffield, T.F. The association of serum metabolites in the transition period with milk production and early-lactation reproductive performance. *Journal of Dairy Science*. 95: 1301–1309. 2012.

Chapinal, N., LeBlanc, S.J., Carson, M.E., **Leslie, K.E.**, Godden, S., Capel, M., Santos, J.E.P., Overton, M.W., Duffield, T.F. Herd-level association of serum metabolites in the transition period with disease, milk production, and early lactation reproductive performance. *Journal of Dairy Science*. 95: 5676–5682. 2012.

Cyplis, J.A., Fitzpatrick, C.E., **Leslie, K.E.**, DeVries, T.J., Haley, D.B., Chapinal, N. *Short communication*: The effects of experimentally induced *Escherichia coli* clinical mastitis on lying behavior of dairy cows. *Journal of Dairy Science*. 95: 2571–2575. 2012.

DeVries, T.J., Aarnoudse, M.G., Barkema, H.W., **Leslie, K.E.**, von Keyserlingk, M.A.G. Associations of dairy cow behavior, barn hygiene, cow hygiene, and risk of elevated somatic cell count. *Journal of Dairy Science*. 95: 5730–5739. 2012.

Dubuc, J., Duffield, T.F., **Leslie, K.E.**, Walton, J.S., LeBlanc, S.J. Risk factors and impacts of postpartum anovulation in dairy cows. *Journal of Dairy Science*. 95: 1845–1854. 2012.

Leslie, K.E., Petersson-Wolfe, C.S. Assessment and management of pain in dairy cows with clinical mastitis. *Veterinary Clinics of North America Food Animal Practice*. 28: 289–305. 2012.

Neves, R.C., **Leslie, K.E.**, Walton, J.S., LeBlanc, S.J. Reproductive performance with an automated activity monitoring system versus a synchronized breeding program. *Journal of Dairy Science*. 95: 5683–5693. 2012.

- Pieper, L., Godkin, A., Roesler, U., Polleichtner, A., Slavic, D., **Leslie, K.E.**, Kelton, D.F. Herd characteristics and cow-level factors associated with Prototheca mastitis on dairy farms in Ontario, Canada. *Journal of Dairy Science*. 95: 5635–5644. 2012.
- Stanton, A.L., Kelton, D.F., LeBlanc, S.J., Wormuth, J., **Leslie, K.E.** The effect of respiratory disease and a preventative antibiotic treatment on growth, survival, age at first calving, and milk production of dairy heifers. *Journal of Dairy Science*. 95: 4950–4960. 2012.
- Windeyer, M.C., **Leslie, K.E.**, Godden, S.M., Hodgins, D.C., Lissemore, K.D., LeBlanc, S.J. The effects of viral vaccination of dairy heifer calves on the incidence of respiratory disease, mortality, and growth. *Journal of Dairy Science*. 95: 6731–6739. 2012.
- Yeiser, E.E., **Leslie, K.E.**, McGilliard, M.L., Petersson-Wolfe, C.S. The effects of experimentally induced Escherichia coli mastitis and flunixin meglumine administration on activity measures, feed intake, and milk parameters. *Journal of Dairy Science*. 95: 4939–4949. 2012.
- Bauer, S.A., Arndt, T.P., **Leslie, K.E.**, Pearl, D.L., Turner, P.V. Obesity in rhesus and cynomolgus macaques: A comparative review of the condition and its implications for research. *Comparative Medicine*. 61: 1-13. 2011.
- DeVries, T.J, Deming, J.A., Rodenburg, J., Seguin, G., **Leslie, K.E.**, Barkema, H.W. Association of standing and lying behavior patterns and incidence of intramammary infection in dairy cows milked with an automated system. *Journal of Dairy Science*. 94: 3845-3855. 2011.
- Dohoo, I., Andersen, S., Kelton, D., Dingwell, R., Schukken, Y., **Leslie, K.**, Godden, S. Diagnosing intramammary infections: Comparison of multiple versus single quarter milk samples for the identification of intramammary infectons in lactating dairy cows. *Journal of Dairy Science*. 94: 5515–5522. 2011.
- Dubuc, J., Duffield, T.F., **Leslie, K.E.**, Walton, J.S., LeBlanc, S.J. Effects of postpartum uterine diseases on milk production and culling in dairy cows. *Journal of Dairy Science*. 94: 1339-1346. 2011.
- Dubuc, J., Duffield, T.F., **Leslie, K.E.**, Walton, J.S., LeBlanc, S.J. Randomized clinical trial of antibiotic and prostaglandin treatments for uterine health and reproductive performance in dairy cows. *Journal of Dairy Science*. 94: 1325-1338. 2011.

- Henderson, L., Miglior, F., Sewalem, A., Kelton, D., Robinson, A., **Leslie, K.E.** *Short communication:* Genetic parameters for measures of calf health in a population of Holstein calves in New York State. *Journal of Dairy Science*. 94: 6181-6187. 2011.
- Henderson, L., Miglior, F., Sewalem, A., Kelton, D., Robinson, A., **Leslie, K.E.** Genetic parameters for measures of calf survival in a population of Holstein calves from a heifer-raising facility in New York State. *Journal of Dairy Science*. 94: 461-470. 2011.
- Seifi, H.A., LeBlanc, S.J., **Leslie, K.E.**, Duffield, T.F. Metabolic predictors of postpartum disease and culling risk in dairy cattle. *The Veterinary Journal* 188:216-220. 2011
- Trotz-Williams, L.A., Jarvie, B.D., Peregrine, A.S., Duffield, T.F., **Leslie, K.E.** Efficacy of halofuginone lactate (Halocur®) in the prevention of cryptosporidiosis in dairy calves. *Veterinary Record*. 168:509 Published Online. May 2011.
- Atalla, H., Wilkie, B.N., Gyles, C.L., **Leslie, K.E.**, Mutharia, L.M., Mallard, B. Antibody and cell-mediated immune responses to *Staphylococcus aureus* small colony variants and their parental strains associated with bovine mastitis. *Developmental and Comparative Immunology*. 34: 1283-1290. 2010.
- Bauer, S.A., **Leslie, K.E.**, Pearl, D.L., Fournier, J., Turner, P.V. Retrospective case-control study of hyperglycemia in group housed, mature female cynomolgus macaques (*Macaca fascicularis*). *Journal of Medical Primatology*. Published online April 2010.
- Bauer, S.A., **Leslie, K.E.**, Pearl, D.L., Fournier, J., Turner, P.V. Survey of prevalence of overweight body condition in laboratory-housed cynomolgus macaques (*Macaca fascicularis*). *Journal of the American Association for Laboratory Animal Science*. 49: 1-8. 2010.
- Bielmann, V., Gillan, J., Perkins, N.R., Skidmore, A.L., Godden, S., **Leslie, K.E.** An evaluation of Brix refractometry instruments for measurement of colostrum quality in dairy cattle. *Journal of Dairy Science*. 93: 3713-3721. 2010.
- Dubuc, J., Duffield, T.F., **Leslie, K.E.**, Walton, J.S., LeBlanc, S.J. Definitions and diagnosis of postpartum endometritis in dairy cows. *Journal of Dairy Science*. 93: 5225-5233. 2010.
- Dubuc, J., Duffield, T.F., **Leslie, K.E.**, Walton, J.S., LeBlanc, S.J. Risk factors for postpartum uterine diseases in dairy cows. *Journal of Dairy Science*. 93: 5764-5771. 2010.

Greter, A.M., **Leslie, K.E.**, Mason, G.J., McBride, B.W., DeVries, T.J. Effect of feed delivery method on the behaviour and growth of dairy heifers. *Journal of Dairy Science*. 93: 1668-1676. 2010.

Henderson, L., Miglior, F., Sewalem, A., Kelton, D., Robinson, A., **Leslie, K.E.** Estimation of genetic parameters for measures of calf survival in a population of Holstein heifer calves from a heifer rearing facility in New York State. *Journal of Dairy Science*. 94: 461-470. 2010.

Quiroz-Rocha, G.F., LeBlanc, S.J., Duffield, T.F., Jefferson, B., Wood, D., **Leslie, K.E.**, Jacobs, R.M. Short communication: Effect of sampling time relative to the first daily feeding on interpretation of serum fatty acid and β -hydroxybutyrate concentrations in dairy cattle. *Journal of Dairy Science*. 93: 2030-2033. 2010.

Seifi, H.A., LeBlanc, S.L., **Leslie, K.E.**, Duffield, T.F. Metabolic predictors of post-partum diseases and culling risk in dairy cattle. *The Veterinary Journal*, May 8 [Epub ahead of print], 2010.

Stanton, A.L., Kelton, D.F., LeBlanc, S.J., Millman, S.T., Wormuth, J., Dingwell, R.T., **Leslie, K.E.** The effect of treatment with long-acting antibiotic at post-weaning movement on respiratory disease and on growth in commercial dairy calves. *Journal of Dairy Science*. 93:574-581. 2010.

Todd, C.G., Millman, S.T., McKnight, D.R., Duffield, T.F., **Leslie, K.E.** Non-steroidal anti-inflammatory drug therapy for neonatal calf diarrhea complex – Effects on calf performance. *Journal of Animal Science*. 88: 2019-2028. 2010.

Andrew, S.M., Moyes, K.M., Borm, A.A., Fox, K.L., **Leslie, K.E.**, Hogan, J.S., Oliver, S.P., Schukken, Y.H., Owens, W.E. Factors associated with the risk of antibiotic residues and intramammary pathogen presence in milk from heifers administered prepartum intramammary antibiotic therapy. *Veterinary Microbiology*. 134(1-2):150-156. 2009.

Atalla, H., Gyles, C., Wilkie, B., **Leslie, K.E.**, Mallard B. Somatic cell scores and clinical signs following experimental intramammary infection of dairy cows with a *Staphylococcus aureus* small colony variant (*S. aureus* SCV) in comparison to other bovine strains. *Veterinary Microbiology*. 137: 326-334. 2009.

Cramer, G., Lissemore, K.D., Guard, C.L., **Leslie, K.E.**, Kelton, D.F. The association between foot lesions and culling risk in Ontario Holstein cows. *Journal of Dairy Science*. 92: 2572-2579. 2009.

Cramer, G., Lissemore, K.D., Guard, C.L., **Leslie, K.E.**, Kelton, D.F. Herd level risk factors for seven different foot lesions in Ontario Holstein cattle housed in tie stalls or free stalls. *Journal of Dairy Science*. 92: 1404-1411. 2009.

Duffield, T., Lissemore, K., McBride, B., **Leslie, K.E.** Impact of hyperketonemia in early lactation dairy cows on health and production. *Journal of Dairy Science*. 92: 571-580. 2009.

Duffield, T.F., **Leslie, K.E.**, Lissemore, K.D., Millman, S.T. Research and teaching of dairy cattle well being: Finding synergy between ethology and epidemiology. *Journal of Applied Animal Welfare Science*. 12: 132-142. 2009.

Mount, J.A., Karrow, N.A., Caswell, J.F., Boermans, H.J., **Leslie, K.E.** Assessment of bovine mammary chemokine gene expression in response to lipopolysaccharide, lipotechoic acid + peptidoglycan, and CpG oligodeoxynucleotide 2135. *The Canadian Journal of Veterinary Research*. 73: 49-57. 2009.

Perkins, N.R., Kelton, D.F., Hand, K.J., MacNaughton, G., Berke, O., **Leslie, K.E.** An analysis of the relationship between bulk tank milk quality and wash water quality on dairy farms in Ontario, Canada. *Journal of Dairy Science*. 92: 3714-3722. 2009.

Quiroz-Rocha, G.F., LeBlanc, S., Duffield, T., Wood, D., **Leslie, K.E.**, Jacobs, R.M. Evaluation of prepartum serum cholesterol and fatty acids concentrations as predictors of postpartum retention on the placenta in dairy cows. *Journal of the American Veterinary Medical Association*. 234: 790-793. 2009.

Quiroz-Rocha, G.F., LeBlanc, S.J., Duffield, T.F., Wood, D., **Leslie, K.E.**, Jacobs, R.M. Reference limits for biochemical and hematological analytes of dairy cows one week before and one week after parturition. *Canadian Veterinary Journal*. 50: 383-388. 2009.

Ruegg, P.R., Apparao, M.D., Lago, A., Godden, S., Bey, R., **Leslie, K.E.** Relationship between in vitro susceptibility test results and treatment outcomes for gram-positive mastitis pathogens following treatment with cephapirin sodium. *Journal of Dairy Science*. 92: 2589-2597. 2009.

Stanton, A., **Leslie, K.**, Kelton, D., Dingwell, R.T., Widowski, T.M., LeBlanc, S., Millman, S.T. An evaluation of the effects of low, average, and high postweaning weight gains on short term behaviour and future growth of dairy calves. *Journal of Applied Animal Welfare Science*. 12: 1-2. 2009.

Bateman, K., Menzies, P., Sandals, D., Duffield, T., LeBlanc, S., **Leslie, K.E.**, Lissemore, K., Swackhammer, R. Objective Structured Clinical Examinations (OSCE's) as a summative evaluation tool in a Ruminant Health Management rotation for final year DVM students. *Journal of Veterinary Medical Education*. 35: 382-388. 2008.

Cramer, G., Lissemore, K.D., Guard, C.L., **Leslie, K.E.**, Kelton, D.F. Herd and cow level prevalence of foot lesions in Ontario Dairy cattle. *Journal of Dairy Science*. 91: 3888-3895. 2008.

Trotz-Williams, L.A., **Leslie, K.E.**, Peregrine, A.S. Passive immunity in Ontario dairy calves and investigation of its association with calf management practices. *Journal of Dairy Science*. 91: 3840-3849. 2008.

Trotz-Williams, L.A., Martin, S.W., **Leslie, K.E.**, Duffield, T., Nydam, D.V., Peregrine, A.S. Association between management practices and within-herd prevalence of *Cryptosporidium parvum* shedding on dairy farms in southern Ontario. *Preventive Veterinary Medicine*. 83 (1): 11-23. 2008.

De Vries, A., Overton, M., Fetrow, J. **Leslie, K.**, Eicker, S., Rogers, G. Exploring the impact of sexed semen on the structure of the dairy industry. *The Journal of Dairy Science*. 91: 847-856. 2008.

Walsh, R.B., LeBlanc, S.J., Vernooy, E., **Leslie, K.E.** Safety of a progesterone-releasing intravaginal device as assessed from vaginal mucosal integrity and indicators of systemic inflammation in postpartum dairy cows. *Canadian Journal of Veterinary Research*. 72: 43-49. 2008.

Lim, G., **Leslie, K.**, Dingwell, R., Timms, L., Kelton, D. Herd management factors that affect the mean duration and variation of adherence of an external teat sealant. *Journal of Dairy Science*. 90: 1301-1309. 2007.

Lim, G., **Leslie, K.**, Dingwell, R., Timms, L., Kelton, D., Duffield, T. Adherence and efficacy of an external teat sealant to prevent new intramammary infections in the dry period. *Journal of Dairy Science*. 90:1289-1300. 2007.

Petersson-Wolfe, C. S., **Leslie, K. E.**, Osborne, T., McBride, B. W., Bagg, R., Vessie, G., Dick, P., Duffield, T. F. Effect of delivery method of monensin on dry matter intake, body condition score, and metabolic parameters in transition dairy cows. *Journal of Dairy Science*. 90: 1870-1879. 2007.

Seifi, H.A., LeBlanc, S.J., Vernooy, E., **Leslie, K.E.**, Duffield, T.F. Effect of isoflupredone acetate with or without insulin on energy metabolism,

reproduction, milk production, and health in dairy cows in early lactation. *Journal of Dairy Science*. 90(9): 4181-4191. 2007.

Trotz-Williams, L.A., Martin, S.W., **Leslie, K.E.**, Duffield, T., Nydam, D.V., Peregrine, A.S. Calf-level risk factors for neonatal diarrhea and shedding of *Cryptosporidium parvum* in Ontario dairy calves. *Preventive Veterinary Medicine*. 82(1-2):12-28. 2007.

Walsh, R., LeBlanc, S., Duffield, T., Kelton, D., Walton, J., **Leslie, K.** Synchronization of estrus and pregnancy risk in anestrous dairy cows after treatment with Progesterone Releasing Intravaginal Device (P.R.I.D.). *The Journal of Dairy Science*. 90: 1139-1148. 2007.

Walsh, R., LeBlanc, S., Vernooij, E., **Leslie, K.** The effect of a progesterone releasing intravaginal device (P.R.I.D.) on vaginal mucosal integrity and indicators of systemic inflammation in postpartum dairy cows. *The Canadian Journal of Veterinary Research*. 72: 43-49. 2007.

Walsh, R., Walton, J., Kelton, D., LeBlanc, S., **Leslie, K.**, Duffield, T. Prevalence and risk factors for postpartum anovulatory conditions in dairy cows. *The Journal of Dairy Science*. 90: 315-324. 2007.

Walsh, R., Walton, J., Kelton, D., LeBlanc, S., **Leslie, K.**, Duffield, T. The effect of periparturient subclinical ketosis on reproductive performance of postpartum dairy cows. *The Journal of Dairy Science*. 90: 2788-2796. 2007.

Borm, A.A., Fox, L.K., **Leslie, K.E.**, Hogan, J.S., Andrew, S.M., Moyes, K.M., Oliver, S.P., Shukken, Y.H., Hancock, D.D., Gaskins, C.T., Owens, W.E., and Norman, C. Effects of prepartum intramammary antibiotic therapy on udder health, milk production and reproductive performance in dairy heifers. *Journal of Dairy Science*. 89: 2090-2098. 2006.

Dingwell, R.T., **Leslie, K.E.**, Sabour, P., Lepp, D., Pacan, J. Influence of the pulsed-field gel electrophoresis genotype of subclinical *Staphylococcus aureus* mastitis on dry period elimination in Canadian dairy herds. *Canadian Journal of Veterinary Research*. 70(2): 115-120. 2006.

Gill, J., Sabour, P., **Leslie, K.**, Griffiths, M. Bovine whey proteins inhibit the interaction of *Staphylococcus aureus* and bacteriophage K. *The Journal of Applied Microbiology*. 101: 377-386. 2006.

Gill, J., Sabour, P., **Leslie, K.**, Griffiths, M. Efficacy and pharmacokinetics of bacteriophage therapy in the treatment of subclinical *Staphylococcus aureus*

mastitis in lactating dairy cattle. *Antimicrobial Agents and Chemotherapy*. 50 (9): 2912-2918. 2006.

Gill, J.J., Sabour, P.M., Gong, J., Yu, H., **Leslie, K.E.**, Griffiths, M.W. Characterization of bacterial populations recovered from the teat canals of lactating dairy and beef cattle by 16s rDNA Gene Sequence Analysis. *Federation of European Microbiological Studies Microbiology Ecology*. 56: 471-481. 2006.

Hendrick, S., Kelton, D., **Leslie, K.**, Lissemore, K., Archambault, M., Bagg, R., Dick, P., Duffield, T. Efficacy of monensin sodium for the reduction of fecal shedding of *Mycobacterium avium* subsp. *Paratuberculosis* in infected dairy cattle. *Preventive Veterinary Medicine*. 75(3-4):206-220. 2006.

Keefe, G., Squires, E.J., Walsh, R., Wilson, J., **Leslie, K.E.** Impact of a progesterone releasing intravaginal device on plasma progesterone levels in lactating dairy cattle. *The Bovine Practitioner*. 40(2): 108-112. 2006.

LeBlanc, S.J., Lissemore, K.D., Kelton, D.F., Duffield, T.F., **Leslie, K.E.** Major advances in disease prevention in dairy cattle. *The Journal of Dairy Science*. Centennial Issue. 89: 1267-1279. 2006.

Leslie, K.E., Vernooy, E., Bashiri, A., Dingwell, R. T. Efficacy and effects of two hydrogen peroxide teat disinfectants against *Staphylococcus aureus* and *Streptococcus agalactiae* in experimental challenge. *The Journal of Dairy Science*. 89: 3696-3701. 2006.

Leslie, K.E., Wallace, M.M., McLaren, C.J., Leslie, C.F., Halfon, S.E., Dingwell, R.T. An evaluation of the heart girth tape and Hipometer as methods of estimating body weight in Holstein heifers. *The Journal of Dairy Science*. 89 (10): 3992-3998. 2006.

McLaren, C.J., Lissemore, K.D., Duffield, T.F., **Leslie, K.E.**, Kelton, D.F., Grexton, B. The relationship between herd level disease incidence and return over feed index in Ontario dairy herds. *The Canadian Veterinary Journal*. 47: 767-773. 2006.

Sanford, C.J., Keefe, G.P., Dohoo, I.R., Barkema, H.W., Dingwell, R.T., **Leslie, K.E.** The efficacy of an internal teat sealer used in conjunction with intramammary antibiotics on the cure of intramammary infections during the dry period. *The Bovine Practitioner*. 40(1): 26-32. 2006.

Sanford, C.J., Keefe, G.P., Dohoo, I.R., **Leslie, K.E.** Assessment of antimicrobial transfer from treated to untreated mammary gland quarters by use of high-pressure liquid chromatography for detection of cloxacillin in milk samples from

nonlactating dairy cows. American Journal of Veterinary Research. 67 (7): 1140-1144. 2006.

Sanford, C.J., Keefe, G.P., Dohoo, I.R., **Leslie, K.E.**, Barkema, H.W., Dingwell, R.T., DesCôteaux, L., Groves, B. The efficacy of an internal teat sealer for the prevention of new intramammary infections during the dry period. The Journal of the American Veterinary Medication Association. 228(10): 1565-1573. 2006.

Sanford, C.J., Keefe, G.P., Sanchez, J., Dingwell, R.T., Barkema, H.W., **Leslie, K.E.**, Dohoo, I.R. Estimation of the test characteristics of the California Mastitis Test for Identification of infected quarters and cows at dry-off using latent class models. Preventive Veterinary Medicine. 77:96-108. 2006.

Wallace, M.M., Jarvie, B.D., Perkins, N., **Leslie, K.E.** A comparison of serum harvesting methods and type of refractometer for determining total solids to estimate failure of passive transfer in calves. The Canadian Veterinary Journal. 47: 573-575. 2006.

Walsh, R., Walton, J., Kelton, D., Duffield, T., LeBlanc S., **Leslie, K.** The effect of a Progesterone Releasing Intravaginal Device (P.R.I.D.) on pregnancy risk to fixed timed insemination following diagnosis of non-pregnancy in dairy cows. The Journal of Theriogenology. 67:948-956. 2006.

Zahra, L.C., Duffield, T.F., **Leslie, K.E.**, Overton, T.R., Putnam, D., LeBlanc, S.J. Effects of rumen-protected choline and monensin on milk production and metabolism of periparturient dairy cows. The Journal of Dairy Science. 89: 4808-4818. 2006.

Crawford, R.G., Duffield, T.F., **Leslie, K.E.**, Bagg, R., Dick, P. The impact of Rumensin controlled Release Capsule administration on postcalving haptoglobin concentrations as a potential marker of disease status. Canadian Journal of Veterinary Research. 69(3): 208-214. 2005.

Hendrick, S., Duffield, T., **Leslie, K.E.**, Lissemore, K., Archambault, M., Kelton, D. The prevalence of milk and serum antibodies to *Mycobacterium avium* subspecies *paratuberculosis* in Ontario dairy herds. The Canadian Veterinary Journal. 46: 1126–1129. 2005.

Hendrick, S.H., Duffield, T.F., Kelton, D.F., **Leslie, K.E.**, Lissemore, K.D., Archambault, M. Evaluation of enzyme-linked immunosorbent assays performed on milk and serum samples for detection of paratuberculosis in lactating dairy cows. JAVMA. 226: 424-428. 2005.

Hendrick, S.H., Kelton, D.F., **Leslie, K.E.**, Lissemore, K.D., Archambault, M., and Duffield, T.F. Effect of paratuberculosis on culling, milk production, and milk quality in dairy herds. *Journal of the American Veterinary Medical Association*. 227(8): 1302-1308. 2005.

Hernandez, A., Yager, J.A., Wilkie, B.N., **Leslie, K.E.**, Mallard, B.A. Evaluation of bovine cutaneous delayed-type hypersensitivity (DTH) to various test antigens and a mitogen using several adjuvants. *Veterinary Immunology and Immunopathology*. 104: 45-58. 2005.

Hobson, J., Duffield, T.F., Kelton, D., Lissemore, K., Hietala, S.K., **Leslie, K.E.**, McEwen, B., Peregrine, A.S. Risk factors associated with *Neospora caninum* abortion in Ontario Holstein dairy herds. *Veterinary Parasitology*. 127:177-188. 2005.

Jarvie, B.D., **Leslie, K.E.**, Peregrine, A.S., Wallace, M.M., Duffield, T.F., Weese, J.S. An evaluation of the efficacy of halofuginone lactate (Halocur®) as an aid in the prevention of cryptosporidiosis in Ontario dairy calves. *Journal of Dairy Science*. 88: 1801-1806. 2005.

Kasimanickam, R., Duffield, T.F., Foster, R.A., Gartley, C.J., **Leslie, K.E.**, Walton, J.S., Johnson, W.H. A comparison of the cytobrush and uterine lavage techniques to evaluate endometrial cytology in clinically normal postpartum dairy cows. *Canadian Veterinary Journal*. 46: 255-259. 2005.

Kasimanickam, R., Duffield, T.F., Foster, R.A., Gartley, C.J., **Leslie, K.E.**, Walton, J.S., Johnson, W.H. The effect of single administration of cephalixin or cloprostenol on the reproductive performance of dairy cows with subclinical endometritis, *Theriogenology*. 63: 818-830. 2005.

Keith, B.R., **Leslie, K.E.**, Johnson, W.H., Walton, J.S. Effect of presynchronization using prostaglandin F2 alpha and a milk-ejection test on pregnancy rate after the timed artificial insemination protocol, OVSYNCH. *Theriogenology*. 63(3):722-738. 2005.

LeBlanc, S.J., **Leslie, K.E.**, and Duffield, T.F. Metabolic predictors of displaced abomasum in dairy cattle. *Journal of Dairy Science*. 88:159-170. 2005.

Leslie, K.E., Petersson, C.S., Vernooy, E., Bashiri, A. Efficacy of an iodophore teat disinfectant against *Staphylococcus aureus* and *Streptococcus agalactiae* in experimental challenge. *Journal of Dairy Science*. 88:406-410. 2005.

McLaren, C.J., Lissemore, K.D., Duffield, T.F., **Leslie, K.E.**, Kelton, D.F., Grexton, B. The association of herd milk production and management with a return-over-feed index in Ontario dairy herds. *Journal of Dairy Science*. 88: 419-425. 2005.

Sanchez, J., Dohoo, I., **Leslie, K.**, Keefe, G., Markham, F., Sithole, F. The use of an indirect *Ostertagia ostertagi* ELISA to predict milk production response after anthelmintic treatment in confined and semi-confined dairy herds. *Veterinary Parasitology*. 1230(1-2):115-124. 2005.

Sithole, F., Dohoo, I., **Leslie, K.E.**, DesCoteaux., L., Godden, S., Campbell, J. Effect of Eprinomectin treatment at calving on milk production in dairy herds with limited outdoor exposure. *Journal of Dairy Science*. 88: 929-937. 2005.

Sithole, F., Dohoo, I., **Leslie, K.E.**, Descoteaux, L., Godden, S., Campbell, J., Sanchez, J. Effect of eprinomectin treatment at calving on reproduction parameters in dairy herds with limited outdoor exposure. *Journal of Dairy Science*. 88: 929-937. 2005.

Trotz-William, L., Martin, S.W., Martin, D., Duffield, T., **Leslie, K.E.**, Nydam, D., Peregrine, A.S. Multiattribute evaluation of two simple tests for the detection of *Cryptosporidium parvum* oocysts in calf faeces. *Veterinary Parasitology*. 134(1-2):15-23. 2005.

Trotz-Williams, L.A., Jarvie, B.D., Martin, S.W., **Leslie, K.E.**, Peregrine, A.S. Prevalence of *Cryptosporidium parvum* infection in southwestern Ontario and its association with diarrhea in neonatal dairy calves. *Canadian Veterinary Journal*. 46: 349-351. 2005.

Dingwell, R.T., **Leslie, K.E.**, Schukken, Y.H., Sargeant, J.M., Timms, L.L., Duffield, T.F., Keefe, G.P., Kelton, D.F., Lissemore, K.D., Conklin, J. Association of cow and quarter-level factors at drying-off with new intramammary infections during the dry period. *Preventive Veterinary Medicine*. 63: 75-89. 2004.

Kasimanickam, R., Duffield, T.F., Foster, R.A., Gartley, C.J., **Leslie, K.E.**, Walton, J.S., Johnson, W.H. Endometrial cytology and ultrasonography for the detection of subclinical endometritis in postpartum dairy cows. *Theriogenology*. 62(1-2); 9-23. 2004.

LeBlanc, S.J., Herdt, T.H., Seymour, W.M., Duffield, T.F., **Leslie, K.E.** Peripartum serum vitamin E, retinol and beta-carotene in dairy cattle and their associations with disease. *Journal of Dairy Science*. 87(3):609-619. 2004.

Sabour, P.M., Gill, J.J., Lepp, D., Pacan, J.C., Ahmed, R., Dingwell, R., **Leslie, K.** Molecular typing and distribution of *Staphylococcus aureus* isolates in eastern Canadian dairy heifers. *Journal of Clinical Microbiology*. 42(8):3449-3455. 2004.

Sanchez, J., Markham, F., Dohoo, I., Sheppard, J., Keefe, G., **Leslie, K.** Milk antibodies against *Ostertagia ostertagi*: relationships with milk IgG and production parameters in lactating dairy cattle. *Veterinary Parasitology*. 120(4):319-330. 2004.

Wallace, J.A., Stipetic, K., Schukken, Y.H., Dingwell, R.T., Baillargeon, P., Bacic, G., **Leslie, K.E.** Evaluation of a treatment protocol for intramammary infections in early postpartum dairy cows based on a positive California mastitis test result. *Bovine Practitioner*. 38(1):72-78. 2004.

Dingwell, R.T., **Leslie, K.E.**, Duffield, T.F., Schukken, Y.H., DesCoteaux, L., Keefe, G.P., Kelton, D.F., Lissemore, K.D., Shewfelt, W., Dick, P., Bagg, R. Efficacy of intramammary tilmicosin and risk factors for cure of *Staphylococcus aureus* infection in the dry period. *Journal of Dairy Science*. 86:159-168. 2003.

Dingwell, R.T., **Leslie, K.E.**, Schukken, Y.H., Sargeant, J.M., and Timms, L.L. Evaluation of the California Mastitis Test to detect an intramammary infection with a major pathogen in early lactation dairy cows. *Canadian Veterinary Journal*. 44:413-415. 2003.

Dohoo, I., **Leslie, K.E.**, DesCoteaux, L., Fredeen, A., Shewfelt, W., Dowling, P., Preston, A. A meta-analysis review of the effects of recombinant bovine somatotropin. 1. Methodology and effects on production and nutrition-related parameters. *Canadian Journal of Veterinary Research*. 67: 241-251. 2003.

Dohoo, I., **Leslie, K.E.**, DesCoteaux, L., Fredeen, A., Shewfelt, W., Dowling, P., Preston, A. A meta-analysis review of the effects of recombinant bovine somatotropin. 2. Effects on animal health, reproductive performance and culling. *Canadian Journal of Veterinary Research*. 67: 252-264. 2003.

Duffield, T.F., LeBlanc, S., Bagg, R., **Leslie, K.E.**, Ten Hag, J., Dick, P. Effect of a monensin controlled release capsule on metabolic parameters in transition dairy cows. *Journal of Dairy Science*. 86:1171-1176. 2003.

LeBlanc, S.J., **Leslie, K.E.** *Short Communication*: Presynchronization using a single injection of PGF₂ α before synchronized ovulation and first timed artificial insemination in dairy cows. *Journal of Dairy Science*. 86:3215-3217. 2003.

Osborne, V.R., **Leslie, K.E.**, McBride, B.W. Effect of supplementing glucose in drinking water on the energy and nitrogen status of the transition dairy cow. *Canadian Journal of Animal Science*. 82:427-433. 2003.

Tallam, S.K., Duffield, T.F., **Leslie, K.E.**, Bagg, R. Ovarian follicular activity in lactating Holstein cows supplemented with monensin. *Journal of Dairy Science*. 86:3498-3507. 2003.

Wagter, L.C., Mallard, B.A., Wilkie, B.N., **Leslie, K.E.**, Boettcher, P.J., Dekkers, J.C.M. The relationship between milk production and antibody response to ovalbumin during the peripartum period. *Journal of Dairy Science*. 86:169-173. 2003.

Godden, S.M., Jansen, J.T., **Leslie, K.E.**, Smart, N.L., Kelton, D.F. The effect of sampling time and sample handling on the detection of *Staphylococcus aureus* in milk from quarters with subclinical mastitis. *Canadian Veterinary Journal*. 43:38-42. 2002.

Hobson, J.C., Duffield, T.F., Kelton, D., Lissemore, K., Hietala, **Leslie, K.E.**, McEwen, B., Cramer, G., Peregrine, A.S. *Neospora caninum* serostatus and milk production of Holstein cattle. *JAVMA*. 221:1160-1164. 2002.

LeBlanc, S.J., Duffield, T.F., **Leslie, K.E.**, Bateman, K.G., Keefe, G.P., Walton, J.S., Johnson, W.H. Defining and diagnosing postpartum clinical endometritis, and its impact on reproductive performance in dairy cows. *Journal of Dairy Science*. 85:2223-2236. 2002.

LeBlanc, S.J., Duffield, T.F., **Leslie, K.E.**, Bateman, K.G., Keefe, G.P., Walton, J.S., Johnson, W.H. The effect of treatment of clinical endometritis on reproductive performance in dairy cows. *Journal of Dairy Science*. 85:2237-2249. 2002.

LeBlanc, S.J., Duffield, T.F., **Leslie, K.E.**, Bateman, K.G., TenHag J., Walton, J.S., Johnson, W.H. The effect of prepartum injection of Vitamin E on health in transition dairy cows. *Journal of Dairy Science*. 85:1416-1426. 2002.

Nodtvedt, A., Dohoo, I., Sanchez, J., Conboy, G., DesCoteaux, L., Keefe, G., **Leslie, K.E.**, Campbell, J. The use of negative binomial modeling in a longitudinal study of gastrointestinal parasite burdens in Canadian dairy cows. *Canadian Journal of Veterinary Research*. 66:249-257. 2002.

Sanchez, J., Dohoo, I., Nodtvedt, A., Keefe, G., Markham, F., **Leslie, K.E.**, DesCoteaux, L., Campbell, J. A longitudinal study of gastrointestinal parasites in Canadian dairy farms. The value of an indirect *Ostertagia ostertagi* ELISA as a monitoring tool. *Veterinary Parasitology*. 107: 209-226. 2002.

Sanchez, J. Dohoo, I.R., Markham, F., **Leslie, K.E.**, Conboy, G. Evaluation of the repeatability of a crude adult indirect *Ostertagia ostertagi* ELISA and methods of expressing test results. *Veterinary Parasitology*. 109:75-90. 2002.

Tom, E., Duncan, I.J.H., Widowski, T.M., Bateman, K.G., **Leslie, K.E.**, Rushen, J., Passille, A.M. Effects of tail docking using a rubber ring with or without anaesthetic on behaviour and production of lactating cows. *Journal of Dairy Science*. 85:2257-2265. 2002.

Geishauser, T., **Leslie, K.E.**, Duffield, T. Monitoring cows for subclinical ketosis. *Compendium of Continuing Education*. 23: S65-S70. 2001.

Godden, S., Lissemore, K., Kelton, D., **Leslie, K.**, Walton, J., Lumsden, J. Factors associated with milk urea concentrations in Ontario dairy cows. *Journal of Dairy Science*. 84:107-114. 2001.

Godden, S.M., Kelton, D.F., Lissemore, K.D., Walton, J.S., **Leslie, K.E.**, Lumsden, J.H. Milk urea testing as a tool to monitor reproductive performance in Ontario dairy herds. *Journal of Dairy Science*. 84:1397-1406. 2001.

Godden, S.M., Lissemore, K.D., Kelton, D.F., **Leslie, K.E.**, Walton, J.S. Lumsden, J.H. Relationships between milk urea concentrations and nutritional management, production, and economic variables in Ontario dairy herds. *Journal of Dairy Science*. 84:1128-1139. 2001.

Sargeant, J.M., **Leslie, K.E.**, Shirley, J.E., Pulkrabek, B., Lim, G.H. Sensitivity and specificity of somatic cell count and California mastitis test for identifying intramammary infection in quarter milk samples during the first 10 days post-calving. *Journal of Dairy Science*. 84:2018-2024. 2001.

Croft, A., Duffield, T., Menzies, P., **Leslie, K.**, Bagg, R., Dick, P. The effect of tilmicosin administered to ewes prior to lambing on incidence of clinical mastitis and subsequent lamb performance. *Canadian Veterinary Journal*. 41:306-311. 2000.

Geishauser, T., **Leslie, K.**, Duffield, T. Prevention and prediction of displaced abomasum in dairy cows. *Bovine Practitioner*. 34:51-55. 2000.

Geishauser, T., **Leslie, K.**, TenHag, J., Bashiri, A. Evaluation of eight cow-side ketone tests in milk for detection of subclinical ketosis in dairy cows. *Journal of Dairy Science*. 83:296-299. 2000.

Godden, S.M., Lissemore, K.D., Kelton, D.F., Lumsden, J.H., **Leslie, K.E.**, Walton, J.S. Analytic validation of an infrared milk urea assay and effects of sample acquisition factors on milk urea results. *Journal of Dairy Science*. 83:435-442. 2000.

Leslie, K., Jackson, A., Duffield, T., Dohoo, I., DesCoteaux, L., Hovingh, E. Survey of selected risk factors and therapeutic strategies for parasitism on milk production response of lactating dairy cattle. *Bovine Practitioner*. 34:23-31. 2000.

Sargeant, J.M., **Leslie, K.E.**, Shirley, J.E., Sheffel, M.E., Lim, G.H., Pulkrabek, B.J. Evaluation of the California Mastitis Test for screening dairy cows for intramammary infection at calving. *Journal of Dairy Science*. 78:Suppl. 1, P38. 2000.

Wagter, L.C., Mallard, B.A., Wilkie, B.N., **Leslie, K.E.**, Boettcher, P.J., Dekkers, J.C.M. A quantitative approach to classifying Holstein cows based on antibody responsiveness and its relationship to peripartum mastitis occurrence. *Journal of Dairy Science*. 83:488-498. 2000.

Duffield, T.F., **Leslie, K.E.**, Sandals, D., Lissemore, K., McBride, B.W., Lumsden, J.H., Dick, P., Bagg, R. Effect of a monensin-controlled release capsule on cow health and reproductive performance. *Journal of Dairy Science*. 82:2377-2384. 1999.

Duffield, T.F., **Leslie, K.E.**, Sandals, D., Lissemore, K., McBride, B.W., Lumsden, J.H., Dick, P., Bagg, R. Effect of prepartum administration of monensin in a controlled-release capsule on milk production and milk components in early lactation. *Journal of Dairy Science*. 82:272-279. 1999.

Duffield, T.F., Sandals, D., **Leslie, K.E.**, Lissemore, K., McBride, B.W., Lumsden, J.H., Dick, P., Bagg, R. Effect of prepartum administration of a monensin controlled release capsule on milk production and milk components in early lactation. *Journal of Dairy Science*. 82:272-279. 1999.

Geishauser, T., **Leslie, K.**, Duffield, T., Edge, V. The association between first DHI milk-test parameters and subsequent displaced abomasum diagnosis in dairy cows. *Berliner und Munchener Tierarztliche Wochenschrift*. 112:1-4. 1999.

Geishauser, T., **Leslie, K.**, Duffield, T., Edge, V. The association between selected metabolic parameters and left displaced abomasum in dairy cows. *The Bovine Practitioner*. 33:63-66. 1999.

Green, B.L., McBride, B.W., Sandals, D., **Leslie, K.E.**, Bagg, R., Dick, P. The impact of a monensin controlled-release capsule on subclinical ketosis in the transition dairy cow. *Journal of Dairy Science*. 82:333-342. 1999.

Schukken, Y.H., **Leslie, K.E.**, Barnum, D.A., Mallard, B.A., Lumsden, J.H., Dick, P.C., Vessie, G.H., Kehrl, M.E. Experimental *Staphylococcus aureus* intramammary challenge in late lactation dairy cows: quarter and cow effects determining the probability of infection. *Journal of Dairy Science*. 82:2393-2401. 1999.

Sharif, S., Mallard, B.N., Sargeant, J.M., Scott, H.M., Dekkers, J.C., **Leslie, K.E.** Associations of the bovine major histocompatibility complex DRB3 (BoLA-DRB3) with production traits in Canadian dairy cattle. *Animal Genetics*. 30:157-60. 1999.

Duffield, T.F., Sandals, D., **Leslie, K.E.**, Lissemore, K., McBride, B.W., Lumsden, J.H., Dick, P., Bagg, R. Effect of prepartum administration of a monensin controlled release capsule on postpartum energy indicators in lactating dairy cows. *Journal of Dairy Science*. 81:2354-2361. 1998.

Duffield, T.F., Sandals, D., **Leslie, K.E.**, Lissemore, K., McBride, B.W., Lumsden, J.H., Dick, P., Bagg, R. Efficacy of monensin for the prevention of subclinical ketosis in lactating dairy cows. *Journal of Dairy Science*. 81:2866-2873. 1998.

Geishauser, T., **Leslie, K.**, Duffield, T., Sandals, D., Edge, V. The association between selected metabolic parameters and left abomasal displacement in dairy cows. *Journal of Veterinary Medicine*. 45:499-511. 1998.

Geishauser, T., **Leslie, K.**, Kelton, D., Duffield, T. Evaluation of five cowside tests for use with milk to detect subclinical ketosis in dairy cows. *Journal of Dairy Science*. 81:438-443. 1998.

Geishauser, T., Shoukri, M., Kelton, D., **Leslie, K.** Analysis of survivorship after displaced abomasum diagnosed in dairy cows. *Journal of Dairy Science*. 81:2346-2353. 1998.

Geishauser, T.D., **Leslie, K.E.**, Duffield, T.F., Edge, V. An evaluation of protein/fat ration in first DHI test milk for prediction of subsequent displaced abomasum in dairy cows. *Canadian Journal of Veterinary Research*. 62:144-147. 1998.

LeBlanc, S.J., **Leslie, K.E.**, Ceelen, H.J., Kelton, D.F., Keefe, G.P. Measures of estrus detection and pregnancy in dairy cows after administration of

gonadotropin-releasing hormone within an estrus synchronization program based on prostaglandin F₂. Journal of Dairy Science. 81:375-381. 1998.

Mallard, B.A., Dekkers, J.C., Ireland, M.J., **Leslie, K.E.**, Sharif, S., Lacey Vankampen, C., Wagter, L., Wilkie, B. Alteration in immune responsiveness during the peripartum period and its ramification on dairy cow and calf health. Journal of Dairy Science. 81:585-595. 1998.

Sargeant, J.M., **Leslie, K.E.**, Shoukri, M.M., Martin, S.W., Lissemore, K.D. Trends in milk component production in dairy herds in Ontario: 1985-1994. Canadian Journal of Animal Science. 78:413-420. 1998.

Sargeant, J.M., Martin, S.W., Lissemore, K.D., **Leslie, K.E.**, Gibson, J.P., Scott, H.M., Kelton, D.F. Associations between individual cow factors and milk-protein production. Preventive Veterinary Medicine. 34: 57-72, 1998.

Sargeant, J.M., Martin, S.W., Lissemore, K.D., **Leslie, K.E.**, Gibson, J.P., Scott, H.M., Kelton, D.F. Associations between milk-protein production and reproduction, health, and culling. Preventive Veterinary Medicine. 35: 39-51. 1998.

Sargeant, J.M., Schukken, Y.H., **Leslie, K.E.** Ontario bulk milk somatic cell count reduction program: Progress and outlook. Journal of Dairy Science. 81:1545-1554. 1998.

Sargeant, J.M., Scott, H.M., **Leslie, K.E.**, Ireland, M.J., Bashiri, A. Clinical mastitis in dairy cattle in Ontario: Frequency of occurrence and bacteriological isolates. Canadian Veterinary Journal. 39:33-38. 1998.

Sargeant, J.M., Shoukri, M.M., Martin, S.W., **Leslie, K.E.**, Lissemore, K.D. Investigating potential risk factors for seasonal variation; an example using graphical and spectral analysis methods based on the production of milk components in dairy cattle. Preventive Veterinary Medicine. 36:167-178. 1998.

Scott, H.M., Sargeant, J.M., Ireland, M.J., Lissemore, K.D., **Leslie, K.E.**, Kelton, D.F., Mallard, B.A. Effects of a core antigen vaccine against gram negative bacteria of dairy cows on yield parameters during late lactation and the dry period. Journal of Dairy Science. 81:1928-1935. 1998.

Sharif, S., Mallard, B.A., Wilkie, B.N., Sargeant, J.M., Scott, H.M., Dekkers, J.C.M., **Leslie, K.E.** Associations of the bovine major histocompatibility complex DRB3 (BoLA-DRB3) alleles with occurrence of disease and somatic cell score in Canadian dairy cattle. Animal Genetics. 29:185-193. 1998.

Duffield, T.F., Kelton, D.F., **Leslie, K.E.**, Lissemore, K.D., Lumsden, J.H. Use of test day milk fat and milk protein to detect subclinical ketosis in dairy cattle in Ontario. *Canadian Veterinary Journal*. 38:713-718. 1997.

Geishauser, T., **Leslie, K.**, Duffield, T., Edge, V. An evaluation of milk ketone tests for the prediction of left displaced abomasum in dairy cows. *Journal of Dairy Science*. 80:3188-3192. 1997.

Geishauser, T., **Leslie, K.**, Duffield, T., Edge, V. Fat/protein ratio in first DHI test for displaced abomasum in dairy cows. *Journal of Veterinary Medicine*. 44:265-270. 1997.

Geishauser, T., **Leslie, K.E.**, Duffield, T., Edge, V. Evaluation of aspartate transaminase activity and β -hydroxybutyrate concentration in blood as tests for prediction of left displaced abomasum in dairy cows. *American Journal Veterinary Research*. 58(11):1216-1220. 1997.

Kerbler, T.L., Buhr, M.M., Jordan, L.T., **Leslie, K.E.**, Walton, J.S. Relationship between maternal plasma progesterone concentration and interferon tau synthesis by the concepts in cattle. *Theriogenology*. 47: 703-714.1997.

Osteras, O., **Leslie, K.E.**, Schukken, Y.H., Emanuelson, U., Plym-Forshell, K., Booth, J. Recommendations for presentation of mastitis related data. *International Dairy Federation Bulletin*. No. 321. 1997.

Sargeant, J.M., Lissemore, K.D., Martin, S.W., **Leslie, K.E.**, McBride, B.W. Associations between herd management factors and milk protein yield in Ontario dairy herds. *Journal of Dairy Science*. 80:2790-2802. 1997.

Mallard, B.A., **Leslie, K.E.**, Dekkers, J.C.M., Hedge, R., Bauman, M., Stear, M.J. Differences in bovine lymphocyte antigen associations between immune responsiveness and risk of disease following intramammary infection with *Staphylococcus aureus*. *Journal of Dairy Science*. 78:1937-1944. 1995.

Dekkers, J.C.M., Mallard, B.A., **Leslie, K.E.** Introduction to a workshop: Genetic improvement of resistance to mastitis of dairy cattle with special emphasis on somatic cell count. *Journal of Dairy Science*. 77: 616-618. 1994.

McDermott, J.J., Allen, O.B., Martin, S.W., **Leslie, K.E.**, Meek, A.H., Etherington, W.G. Reproductive performance of Ontario beef breeding herds. *Preventive Veterinary Medicine*. 18: 115-127. 1994.

Schukken, Y.H., Mallard, B.A., Dekkers, J.C.M., **Leslie, K.E.**, Stear, M.J. Genetic impact on the risk of intramammary infection following *Staphylococcus aureus* challenge. *Journal of Dairy Science*. 77: 639-647. 1994.

Schukken, Y.H., Weersnick, A., **Leslie, K.E.**, Martin, S.W. Dynamics and regulation of bulk milk somatic cell counts. *Canadian Journal of Veterinary Research*. 57: 131-135. 1993.

Lissemore, K.D., **Leslie, K.E.**, Martin, S.W., Menzies, P.I., Meek, A.H. Attitudes and expectations of producers to the use of a microcomputer-based management information system to monitor dairy herd performance. *Canadian Veterinary Journal*. 33: 120-125. 1992.

Lissemore, K.D., **Leslie, K.E.**, Menzies, P.I., Martin, S.W., Meek, A.H., Etherington, W.G. Implementation and use of a microcomputer-based management information system to monitor dairy herd performance. *Canadian Veterinary Journal*. 33: 114-119. 1992.

Schukken, Y.H., Fulton, C.D., **Leslie, K.E.** Freezing point of bulk milk in Ontario – An observational study. *Journal of Food Protection*. 55: 995-998. 1992.

Schukken, Y.H., **Leslie, K.E.**, Weersink, A.J., Martin, S.W. Ontario bulk milk somatic cell count reduction program. 1. Impact on somatic cell counts and milk quality. *Journal of Dairy Science*. 75: 3352-3358. 1992.

Schukken, Y.H., **Leslie, K.E.**, Weersink, A.J., Martin, S.W. Ontario bulk milk somatic cell count reduction program. 2. Dynamics of bulk milk somatic cell counts. *Journal of Dairy Science*. 75: 3359-3366. 1992.

Wilson, J.B., McEwen, S.A., Clarke, R.C., **Leslie, K.E.**, Waltner-Toews, D., Gyles, C.L. A case-control study of selected pathogens including verocytotoxigenic *Escherichia coli* in calf diarrhea on an Ontario veal farm. *Canadian Journal of Veterinary Research*. 56: 184-188. 1992.

Dohoo, I.R., **Leslie, K.E.** Evaluation of changes in somatic cell counts as indicators of new intramammary infections. *Preventive Veterinary Medicine*. 10: 225-237. 1991.

Etherington, W.G., Christie, K.A., Walton, J.S., **Leslie, K.E.**, Wickstrom, S., Johnson, W.H. Progesterone profiles in postpartum Holstein dairy cows as an aid in the study of retained fetal membranes, pyometra and anestrus. *Theriogenology*. 35: 731-746. 1991.

Howard, W.H., Gill., R., **Leslie, K.E.**, Lissemore, K. Monitoring and controlling mastitis on Ontario dairy farms. Canadian Journal of Agricultural Economics. 39: 299-318. 1991.

Jacobs, R.M., Heeney, J.L., Godkin, M.A., **Leslie, K.E.**, Taylor, J.A., Davies, C., Valli, V.E.O. Production and related variables in bovine leukemia virus-infected cows. Veterinary Research Communications. 15: 463-474. 1991.

Kelton, D.F., **Leslie, K.E.**, Etherington, W.G., Bonnett, B.N., Walton, J.S. Accuracy of rectal palpation and of a rapid milk progesterone enzymeimmunoassay for determining the presence of a functional corpus luteum in subestrous dairy cows. Canadian Veterinary Journal. 32: 286-291. 1991.

Robinson, N.A., **Leslie, K.E.**, Walton, J.S. Effect of treatment with progesterone on pregnancy rate and plasma concentrations of progesterone in Holstein cows. Journal of Dairy Science. 72: 202-207. 1989.

Bateman, K.G., Baird, J.D., Slocombe, J.O., **Leslie, K.E.**, Curtis, R.A., Menzies, P.I. Verminous pneumonia in adult dairy cows in southern Ontario due to *Dictyocaulus viviparus*. Canadian Veterinary Journal. 27: 233-236. 1986.

Leslie, K.E., Bosu, W.T.K., Lissemore, K., Kelton, D. The effects of gonadotrophin releasing hormone administration four days after insemination on first-service conception rates and corpus luteum function in dairy cows. Canadian Journal of Veterinary Research. 50: 184-187. 1986.

Leslie, K.E., Walton, J.S., Bateman, K.G., Shantz, R.L. Controlled breeding of dairy heifers: Observations over a five year period. The Bovine Practitioner. 21: 146-149. 1986.

Montgomery, M.E., **Leslie, K.E.**, Martin, S.W. The sensitivity and specificity of postbreeding plasma progesterone levels as a pregnancy test for dairy cows. Can. J. Comp. Med. 49: 346-349. 1985.

Bosu, W.T.K., Liptrap, R.M., **Leslie, K.E.** Peripartal changes in plasma progesterone and 15-keto-13,14-dihydro-prostaglandin F_{2α} concentrations in Holstein cows with or without retained foetal membranes. Animal Reproduction Science. 7: 497-510. 1984.

Etherington, W.G., Bosu, W.T.K., Martin, S.W., Cote, J.F., Doig, P.A., **Leslie, K.E.** Reproductive performance in dairy cows following postpartum treatment with gonadotrophin releasing hormone and/or prostaglandin: A field trial. Can. J. Comp. Med. 48: 245-250. 1984.

Leslie, K.E., Doig, P.A., Bosu, W.T.K., Curtis, R.A., Martin, S.W. Effects of gonadotrophin releasing hormone on reproductive performance of dairy cows with retained placenta. *Can. J. Comp. Med.* 48: 354-359. 1984.

Leslie, K.E. The effects of gonadotrophin releasing hormone administration in early postpartum dairy cows on hormone concentrations, ovarian activity and reproductive performance: A Review. *Canadian Veterinary Journal.* 24: 116-122. 1983.

Leslie, K.E. The effects of normal and abnormal postpartum reproductive endocrinology and uterine involution in dairy cows: A review. *Canadian Veterinary Journal.* 24: 67-71. 1983.

Leslie, K.E., Bosu, W.T.K. Plasma progesterone concentrations in dairy cows with cystic ovaries and clinical responses following treatment with fenprostalene. *Canadian Journal of Veterinary Research.* 24: 352-356. 1983.

Book Chapters & Other Invited Publications

Leslie, K.E. Guest Reviewer – Animal Welfare. Volume 20, Issue 1. Book Reviews – Mastitis Control in Dairy Herds, 2nd Edition. February 2011.

Leslie, K.E. Guest Editor – The Merck Veterinary Manual, Udder Diseases – (Reproductive System section). 9th Edition. March 2005.

Leslie, K.E. Guest Editor – Chapter: Udder Diseases – (Reproductive System section). In: The Merck Veterinary Manual, 9th Edition. Feb 2004.

Dingwell, R.T. Kelton, D.F., **Leslie, K.E.**, "Management of the Dry Cow in Control of Peripartum Disease and Mastitis" *In: Veterinary Clinics of North America, Food Animal Practice.* W.B. Saunders Company. March 2003.

Leslie, K.E. Guest Editor – Martin, W., Henrik, S. and Dohoo, I. Chapter 11: Controlled Trials. In: *Veterinary Epidemiologic Research.* Oct 2002.

Geishauser, T., **Leslie, K.E.**, Duffield, T. Metabolic aspects in the etiology of displaced abomasum. *In: Veterinary Clinics of North America,* W.B. Saunders Company, 2000. pp 255-265.

Leslie, K.E. *Contributor In: Veterinary Medicine - 9th Edition.* Ed. By O.M. Radostits, C.C. Gay, D.C. Blood and K.W. Hinchcliff, W.B. Saunders Company, 1999.

Leslie, K.E. Author – Herd Health - Food Animal Production Medicine - 2nd Edition. Ed. By Otto Radostits, Ken Leslie and John Fetrow, W.B. Saunders Company, 1994. Published in 1994.