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ADDENDUM #2: Selection of Studies Demonstrating Negative Impact of Juvenile and Mandatory Spay/Neuter

- Cooley, Dawn M., Beranek, BC, Schlittler, DL, Glickman, NW, Glickman, LT, and Waters, DJ (2002) Endogenous Gonadal Hormone Exposure and Bone Sarcoma Risk. *Cancer Epidemiol Biomarkers Prev* 2002; 11:1434-1440 <http://cebp.aacrjournals.org/content/11/11/1434.full>
- Hart BL, Hart LA, Thigpen AP, Willits NH (2014) Long-Term Health Effects of Neutering Dogs: Comparison of Labrador Retrievers with Golden Retrievers. *PLoS ONE* 9(7): e102241. doi: 10.1371/journal.pone.0102241
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0102241>
- Society for Theriogenology, Basis for Position on Mandatory Spay-Neuter in the Canine and Feline. http://c.ymcdn.com/sites/www.therio.org/resource/resmgr/docs/spay-neuter_basis.pdf
- Sandborn, Laura J, M.S. (May 14, 2007), Long-Term Health Risks and Benefits Associated with Spay/Neuter in Dogs.
<http://www.naiaonline.org/pdfs/LongTermHealthEffectsOfSpayNeuterInDogs.pdf>
- Torres de la Riva G, Hart BL, Farver TB, Oberbauer AM, Messam LLM, et al. (2013) Neutering Dogs: Effects on Joint Disorders and Cancers in Golden Retrievers. *PLoS ONE* 8(2): e55937. doi: 10.1371/journal.pone.0055937
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0055937>
- Waters, D. J., Kengeri, S. S., Clever, B., Booth, J. A., Maras, A. H., Schlittler, D. L. and Hayek, M. G. (2009), Exploring mechanisms of sex differences in longevity: lifetime ovary exposure and exceptional longevity in dogs. *Aging Cell*, 8: 752–755. doi: 10.1111/j.1474-9726.2009.00513.x
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2805875/>
- Zink, Chris, DVM, PhD, DACVP, DACVSMR (updated 2013), Early Spay-Neuter Considerations for the Canine Athlete: One Veterinarian’s Opinion. Canine Sports Productions,
<http://www.caninesports.com/uploads/1/5/3/1/15319800/earlyspayconsiderations.pdf>