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Speice

Independent Study and Mentorship 3A

6 September 2018

Surgeries and Sutures

Assessment 2 - Research

**Date:** 6 September 2018

**Topic:** Surgical Procedures

**Works Cited:**

Bushby, Philip A., and Brenda Griffin. "An overview of pediatric spay and neuter benefits and techniques: many veterinarians now perform these procedures in dogs and cats at an earlier age. The surgery is faster, the perioperative complication rate is lower--even the healing time is shorter than in adult animals." *Veterinary Medicine*, Feb. 2011, p. 83+.

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<http://link.galegroup.com/apps/doc/A251727488/ITOF?u=j043905010&sid=ITOF&xid=b5b5f91e>. Accessed 6 Sept. 2018.

Brock, Bo. "All puckered up? suturing isn't a lost art, but it can be hard to find at times." *DVM Newsmagazine*, Aug. 2006, p. 86. General OneFile,

<http://link.galegroup.com/apps/doc/A167842046/ITOF?u=j043905010&sid=ITOF&xid=e713141e>. Accessed 6 Sept. 2018.

The most common medical procedures within the veterinary industry are the spay and neuter procedures, otherwise known as ovariohysterectomies and orchiectomies. In preparation to become a veterinarian, studying these surgeries is essential to basic training. Many techniques such as suturing, anesthesia, and basic surgical tasks are important in every veterinary clinic.

A major part of the first article was based towards controversy in the veterinary industry currently over whether it is more beneficial to spay or neuter pets when they are young or when they have fully matured. A lot of this debate is based upon medical conditions that are thought to be caused by premature ovariohysterectomies and orchiectomies. While this issue is still debated throughout the veterinary field, pediatric ovariohysterectomies and orchiectomies seem to be the most beneficial to all parties involved. Researching and forming opinions over controversies in the veterinary field will be helpful in becoming a more educated and well-rounded student.

Another key aspect of the first research article was a detailed description of how to perform both ovariohysterectomies and orchiectomies on dogs and cats. This detailed explanation of spays and neuters prompted inquiries into a more detailed understanding of feline and canine anatomy. Also, it prompted research to be conducted later over veterinary terminology and equipment. Along with descriptions of procedures, there were many diagrams and lists of dosages of types of anesthetics for different weights of canines and felines. All of this information will be incredibly valuable to being knowledgeable and helpful on mentor visits. Additionally, this research helped to refine further research to topics that will be most beneficial to an expansive knowledge of veterinary science.

The second article was about different techniques of suturing and dealing with puckers in sutures. This information was very informative and refocused research towards surgical

techniques and problem management within said procedures. The article gave many possible solutions to suturing issues such as tucking, poking, pleating, and darting to deal with uneven sutures and puckering. Additionally, this knowledge of solutions for potential suturing complications could be beneficial later on during mentor visits. This knowledge will expand upon previous understandings of surgeries and procedures and be helpful in developing better interview questions and research topics in the future. Being knowledgeable on topics as specified as suture techniques will be more professional in an environment such as a veterinary clinic.

A more academic look into the field of veterinary sciences helped to show what is expected of veterinarians in their day to day work environment and the complexity of the work. Being able to begin to understand some of these concepts now will be incredibly helpful on mentor visits and in a future career because it will be a great resource to have to be as helpful and productive as possible on mentor visits. Knowing this will help direct future research towards topics similar to this to assist in expanding knowledge to a wider range of topics under the veterinary umbrella. Additionally, forming opinions over controversial topics in the veterinary industry help to guide research to topics that will be most helpful in developing a viewpoint of all aspects of veterinary sciences.