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Submission date: 11-Nov-2021 12:09PM (UTC-0600)
Submission ID: 1699978465
File name: animals_for_research_1.edited.docx (19.4K)
Word count: 648
Character count: 3780

Justification for the Use of Animals

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Justification for the Use of Animals

Animals play a vital role in biological research. For instance, scientists have always utilized animals to attain acquittances for realizing fundamental biological procedures and enhancing the quality of life for animals and humans. Also, the growth and utilization of genetically modified animals have provided a significant chance in understanding the role of precise genes, resulting in better ways of dealing with and treating illnesses, including gene therapy. Although the challengers of the use of animals in research are sure that animal tests should be eradicated, scientists are guided by the legal requirements that necessitate them to ensure the animals are handled humanely to satisfy social concerns**. Pacificu.edu (n.d) stated that the American Association for Laboratory Animal Science (IACUC) provides the guidelines that will ensure scientists handle the humane treatment of all the laboratory and study animals. For instance, they ensure the individuals that handle the animals are trained on safety procedures and provide proper veterinary service.**

Justification on the use of animals in research is supported because before the animal is utilized, a cost-benefit examination must be performed. The is done to realize if the attained aids of the animal in research will compensate the cost the animals will suffer. Cheluvappa et al. (2017) emphasized that the word cost in animals is associated with the pain, harm, and distress it will likely undergo during the process. On the other hand, the word aids are associated with the probable assistance of research that could be attained for humans, the ecosystem, or other animals. **Also, through the use of animals, scientists can identify cures and vaccines because they can get insights into health and diseases. For instance, animal use played a critical role in developing Diphtheria, which significantly decreased child mortality.** Therefore, the utilization of animals in research will be allowed only if the benefits will overshadow both the

emotional and physical harm that will be instigated to the animals. This ensures that scientists have taken special consideration in addressing pain, uneasiness, and suffering issues.

Moreover, despite the benefits the research yields to the people and the environment, including increasing further knowledge on critical biological factors, scientists have always performed the study using animals by considering reducing, refining, and replacing elements (Franco et al., 2019). The same source stated that return denotes the approaches that evade or change animals' utilization in research. Researchers have done this by replacing the animals with other methods such as computer programs and evolving the animals from invertebrates to vertebrates that are less emotional and have reduced pain perception. Nevertheless, computer programs cannot yield reliable results as the use of animals would provide.

Finally, reducing is an essential method that scientist is currently using. With the great concern of animal use in research, scientists have concentrated on decreasing the number of animals used in their studies by reviewing previous work in understanding past knowledge to estimate the number of animals used. Also, the animals used need to provide reliable results. Franco et al. (2018) state that refinement is essential in altering the animal husbandry that can lead to pain, suffering, and the improvement of the animal's welfare in use in the whole life. Therefore, scientist needs to use animals in research because they consider animal welfare while conducting their studies. It also allows for a better understanding of biological concepts that aid in the improvement and ensure a better quality of life for the animals, humans, and the ecosystem.

References

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