

Biomedical Research Impact on Me

Per fbresearch.org, it is informed, “If you’ve ever taken antibiotics, had a vaccine, a blood transfusion, dialysis, an organ transplant, chemotherapy, bypass surgery or joint replacement, you have benefitted from animal testing and research. In fact, practically every drug, treatment, medical device, diagnostic tool or cure we have today was developed with the help of lab animals.”

First off, there is a lot of backlash towards performing biomedical research. This is because many people think that animals are treated unfairly during the research. However, this is wrong since animals do not fully feel the procedures and they are done by professionals. Professionals would not be hired and certified if they hurt or treat its patients (humans or animals). Besides, biomedical research on animals has led to lots of advancements in cures for human diseases and sicknesses. The problem is that not enough people do not understand and are introduced to actual effects. One must understand the book fully in order to give an accurate summary.

Personally, I am fortunate to have not acquired diseases and sicknesses that require serious attention. However, I have a friend who suffered from the devastating disease of leukemia. My friend, not mentioned by name since he doesn't want his name published) was constantly told after each visit that he had abnormal white blood cells. The clinic he went to wasn't the best one and he felt that he was getting false results. He was also told by the same clinic that there would be no cure for his leukemia. So one day, he went to a different clinic and got treatment there. As he left there was a program for where you can sign up for an operation where leukemia could possibly be cured through biomedical processes. He didn't tell me too much in detail on what happened. He only said that it he had to go through a long process before he was able to get treatment since there was a lot of risk with the biomedical research. After the

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process, the operation was finally done on him. The first couple weeks after the operation, he told me that he wasn't feeling well and was feeling very different. Even if the operation didn't go well and it may have done negative things to his body, he couldn't have done anything since it was voluntary action. He risked it because the leukemia was getting worse by the minute. After the week he wasn't feeling well, he went back to the clinic and asked for an update status on his operation. The doctor said that he was feeling different but the difference was better for him. His white cells weren't as abnormal anymore and he was getting better at a constant speed. After a year and a half, he was finally leukemia free. He realized that the operation was first researched before it was carried out. It was practiced on dogs before on humans. My friend was very fascinated and very shocked that such an operation had first been tried on a dog. Cases like these prove that animal's research can provide hope for patients fighting many diseases and sicknesses even including cancer. If it weren't for biomedical research, my best friend would have been very sick and possibly even dead. People who are against biomedical research do not experience moments like these and they just judge off the media.

Even the smallest sicknesses can be treated thank to biomedical research. Vaccines, chemotherapy, and basically every other cure in the medical field has originated from research done by lab animals. This concludes that nearly billions of sick humans have benefited from biomedical research. Those who are against biomedical research have possibly even benefited from it; but they may have not realized it.

Biomedical engineering has had not only an enormous impact on my life, but also on others. The research that was done developed the cure for my like brother friend. Animals are another creation we should be grateful for. Animals are the main research why so many lives have been saved. Without the research on them, who would know how far behind we would be.

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Currently, the best thing is for more people should realize the positive effects created by biomedical research. Ncbi.nlm.nih.gov states on their published book, “The impacts of research on the health of people in the United States and around the world may not be measured by economic analyses, but historically these impacts have been among the most important benefits of research.”