

## The Importance Of Animal Experimentation For Safety And Biomedical Research

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### The Importance Of Animal Experimentation

U.S. federal laws require that non-human animal research occur to show the safety and efficacy of new treatments before any human research will be allowed to be conducted. Not only do we humans benefit from this research and testing, but hundreds of drugs and treatments developed for human use are now routinely used in veterinary clinics as well, helping animals live longer, healthier lives.

### Why Animal Research? | Animal Research at Stanford ...

Animal experimentation is the use of non-human animals in experiments that are controlled by variables that can affect the animals biologically. The animals are used to test makeup products, drug products, or curiosity-driven experimentation.

### The Importance Of Animal Experimentation - 1039 Words ...

Typically, animal studies are essential for research that seeks to understand complex questions of disease progression, genetics, lifetime risk or other biological mechanisms of a whole living system that would be unethical, morally unacceptable or technically unfeasible or too difficult to perform in human subjects.

### The Importance of Animal Testing in Biomedical Research

Animal testing has long played a part in the science of testing, and it still plays a very important role in the medical world. Testing on animals in order to create a cure for AIDS is one thing, but testing on animals for human vanity is another. Animal testing is used to test the safety of a product.

### The Importance Of Animal Testing - 1240 Words | Bartleby

the importance of animal experimentation in the development of our knowledge of dysentery, cholera and typhoid fever

### THE IMPORTANCE OF ANIMAL EXPERIMENTATION IN THE ...

The importance of animal research to those suffering from heart and circulatory diseases cannot be overlooked. According to recent estimates, one in four U.S. adults has high blood pressure, which can cause strokes, heart attacks, and heart disease, and nearly one-third of them don't know it (American Heart Association).

### **Benefits of Animal Research - AALAS Foundation**

The animals used in testing have a good quality of life, they are well fed, well treated and given enrichment activities to prevent boredom. When they are used in tests they are anesthetized to ensure that they do not feel pain. Without animal testing we would not have the cures we do have for diseases such as diabetes or asthma. We would not have developed vaccines to prevent illnesses like polio and we would not have learned how to make transplants work or install pacemakers.

### **Top 10 Reasons Why Animal Testing is Necessary**

Animal experimentation refers to the scientific study of animals, usually in a laboratory, for the purpose of gaining new biological knowledge or solving specific medical, veterinary medical, dental, or biological problems. From: Laboratory Animal Medicine (Third Edition), 2015

### **Animal Experimentation - an overview | ScienceDirect Topics**

Animals may be subject to experimentation or modified into conditions useful for gaining knowledge about human disease or for testing potential human treatments. Because animals as distant from humans as mice and rats share many physiological and genetic similarities with humans, animal experimentation can be tremendously helpful for furthering medical science.

### **The Ethics of Animal Experimentation - HOPES Huntington's ...**

Animal experimentation is done to clarify previously unknown life processes and fundamental biological relationships. The findings are then used to improve diagnostics and treatment of human diseases and illnesses.

### **Animal Testing Should Be Banned: Arguments For And Against ...**

Research involving laboratory animals is important to people and to our quality of life. In the past century, most inhabitants of this planet have experienced an unprecedented rise in living standards, life expectancy and personal opportunity, in large part due to the many ways chemicals have been put to work for us.

### **Animals in Research - Society of Toxicology**

The advantage of animal research is that it puts no human lives at risk. Experiments can take place to determine if a product or idea will work as intended. If it does, then it can be tested on humans with a lower risk of a negative outcome. The disadvantage of animal research is that it lessens the value of life.

### **14 Pros and Cons of Animal Research - Vittana.org**

Animals are sometimes used in the testing of drugs, vaccines and other biologics, and medical devices, mainly to determine the safety of the medical product. For drugs and biologics, the focus of...

### **Why are animals used for testing medical products? | FDA**

Both people and animals have unique and important roles as research subjects. Many medical advances that enhance the lives of both humans and animals originate from animal studies. The types of animals used in research are chosen for their similarity to humans in anatomy, physiology, and/or genetics.

### **The important role of animals in research at NIDCD | NIDCD**

2. Background information 2.1 What is animal testing Animal testing is different experiments, researches that carried out on the animals. Different

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animals are used in different test, e.g. mice, rabbits, pigs. Those animals are used to check the safety and assess the effectiveness of the products that for human use, e.g. medicine, food, cosmetics.

### **The Ethics of Animal Experimentation - Free Essay Example ...**

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### **The Importance of Animal Experimentation for Safety and ...**

The animals should have access to veterinary care. All personnel who work with the animals should be sufficiently trained in both the experimental procedure and ethical handling of the animals. Legislation of animal experimentation is based on the idea that it is morally acceptable to conduct these experiments under certain conditions. This illustrates the importance of research ethics which is what drives how these animals should be treated.

### **Animal Studies: Important Ethical Considerations You Need ...**

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