

# ANIMAL TESTING: SCIENCE OR FICTION?

MPs, medical professionals and scientists unite in demanding a thorough evaluation of the utility of vivisection BY KATHY ARCHIBALD SCIENCE DIRECTOR OF EUROPEANS FOR MEDICAL PROGRESS

**M**ost of us know that cancer, heart disease and stroke are the leading causes of death in the West. But many people would be surprised by the next biggest killer: side effects of prescription medicines. Adverse drug reactions kill more than 10,000 people a year in the UK (and more than 100,000 in the US), costing the NHS alone £466m per year.

The pharmaceutical establishment constantly reassures us that all drugs are tested for safety and efficacy on animals before they can be administered to humans. When challenged about the ethics of vivisection, their defence typically goes like this: 'Which do you think is more important: your child's life or a rat's?' Given this choice most people would thankfully sacrifice the rat.

But what if you were told that the current animal testing procedures are seriously flawed? Consider the following evidence:

- Arthritis drug Vioxx, withdrawn from the global market in September 2004, appeared to be safe and even beneficial to the heart in animals, but caused as many as 140,000 heart attacks and strokes in the US alone. The associate safety director of the US Food and Drug Administration (FDA) described it as the 'single greatest drug-safety catastrophe in the history of the world'.

- Many studies published in the scientific literature comparing drug side effects in humans and animals have found animal tests to be less predictive than tossing a coin. One review of human-animal correlation in drugs that had been withdrawn because of adverse reactions found that animal tests predicted the human side effects only six out of 114 times.

- Hundreds of drugs to treat strokes (eg, Cerestat, Maxipost, Zendra, Lotrafiban, gavestinel, nimodipine, ciomethiazole) have been found

safe and effective in animal studies and then injured or killed patients in clinical trials.

- Hormone-replacement therapy (HRT), prescribed to many millions of women because it lowered monkeys' risk of heart disease and stroke, increases women's risks of these conditions significantly. The chairman of the German Commission on the Safety of Medicines described HRT as 'the new thalidomide'. In August 2003 *The Lancet* estimated that HRT had caused 20,000 cases of breast cancer over the past decade in Britain, in addition to many thousands of heart attacks and strokes.

- Dr Richard Klausner, former director of the US National Cancer Institute (NCI), lamented: 'The history of cancer research has been a history of curing cancer in the mouse. We have cured mice of cancer for decades, and it simply didn't work in humans.' The NCI also believes

we have lost cures for cancer because they were ineffective in mice.

- Cigarette smoke, asbestos, arsenic, benzene, alcohol and glass fibres are

all safe to ingest, according to animal studies.

- Of 22 drugs shown to have been therapeutic in spinal cord injury in animals, not one is effective in humans.

- Of 20 compounds known not to cause cancer in humans, 19 do cause cancer in rodents.

- Dr Albert Sabin, the inventor of the polio vaccine, swore under oath that

Many studies published in the scientific literature comparing drug side effects in humans and animals have found animal tests to be less predictive than tossing a coin



# Newspaper Articles On Animal Testing

**Lingjun Ying**



## Newspaper Articles On Animal Testing:

The Rise of Critical Animal Studies Nik Taylor, Richard Twine, 2014-04-16 As the scholarly and interdisciplinary study of human animal relations becomes crucial to the urgent questions of our time notably in relation to environmental crisis this collection explores the inner tensions within the relatively new and broad field of animal studies This provides a platform for the latest critical thinking on the condition and experience of animals The volume is structured around four sections engaging theory doing critical animal studies critical animal studies and anti capitalism contesting the human liberating the animal veganism and activism The Rise of Critical Animal Studies demonstrates the centrality of the contribution of critical animal studies to vitally important contemporary debates and considers future directions for the field This edited collection will be useful for students and scholars of sociology gender studies psychology geography and social work **The NLM**

**Technical Bulletin** ,1986 *Animal Rights* Clare Palmer, 2017-05-15 Do animals have moral rights If so which ones How does this affect our thinking about agriculture and experimentation If animals have moral rights should they be protected by law These are some of the questions addressed in this collection which contains more than 30 papers spanning nearly 40 years of debates about animal rights It includes work by leading advocates of animal rights both in philosophy and law as well as contributions by those resolutely opposed to the very idea of animal rights A substantial Introduction surveys key arguments in the area and puts the papers in context Animal Rights Marna A. Owen, 2009-09-01 Provides information about animal rights examines the current controversy and includes opinions and perspectives for both sides of the debate

*Animal Experimentation: Working Towards a Paradigm Change* Kathrin Herrmann, Kimberley Jayne, 2019-04-30 Animal experimentation has been one of the most controversial areas of animal use mainly due to the intentional harms inflicted upon animals for the sake of hoped for benefits in humans Despite this rationale for continued animal experimentation shortcomings of this practice have become increasingly more apparent and well documented However these limitations are not yet widely known or appreciated and there is a danger that they may simply be ignored The 51 experts who have contributed to *Animal Experimentation Working Towards a Paradigm Change* critically review current animal use in science present new and innovative non animal approaches to address urgent scientific questions and offer a roadmap towards an animal free world of science **Animal Rights** Lisa Yount, 2007 Praise for the previous edition an excellent first stop resource for research on animal rights well organized clearly written and a great starting point for research Recommended Choice comprehensive invaluable for reports on a popular current topic VOYA a very complete research guide that will be most useful at the high school and college level American Reference Books Annual The treatment of animals has become a controversial issue over the years with many questioning an animal's fundamental rights For some the issue of animal rights is merely an attempt to improve conditions of animals used for clothing food and other products while others believe animals should be granted the same legal rights afforded to humans *Animal Rights Revised Edition* provides an overview of the

history of the animal rights movement and reactions to it as well as the issues of animal experimentation conditions on factory farms laboratory animals animals in entertainment hunting and the actions of those involved in the animal rights debate New content includes such documents as the Animal Enterprise Terrorism Act of 2006 and contemporary court cases such as Animal Legal Defense Fund v Glickman These documents provide both past and present perspectives on the issue and plot a course for future debate about animal rights A comprehensive and up to date overview essay capsule biographies a large annotated bibliography a chronology of significant events organization and agency listings and a glossary all combine to make this an ideal first stop reference to animal rights Coverage includes Whether medical testing performed on animals is ethical Whether animals should be banned from circuses and other forms of entertainment How threats against investors in companies that participate in animal drug testing should be handled

*A History of the Development of Alternatives to Animals in Research and Testing* John Parascandola, 2024-07-15 Growing public interest in animal welfare issues in recent decades has prompted increased attention to the efforts to develop alternative nonanimal methods for use in biomedical research and product testing In *A History of the Development of Alternatives to Animals in Research and Testing* the first book length study of the subject John Parascandola traces the history of the concept of alternatives to the use of animals in research and testing in Britain and the United States from its beginnings until it had become firmly established in the scientific and animal protection communities by the end of the 1980s This account of the history of alternatives is set within the context of developments within science animal welfare and politics The book covers the key role played by animal welfare advocates in promoting alternatives the initial resistance to alternatives on the part of many in the scientific community the opportunity provided by alternatives for compromise and cooperation between these two groups and the dominance of the Three Rs reduction refinement and replacement

**The Animal Rights Debate** Gary L. Francione, Robert Garner, 2010-10-26 Gary L. Francione is a law professor and leading philosopher of animal rights theory Robert Garner is a political theorist specializing in the philosophy and politics of animal protection Francione maintains that we have no moral justification for using nonhumans and argues that because animals are property or economic commodities laws or industry practices requiring humane treatment will as a general matter fail to provide any meaningful level of protection Garner favors a version of animal rights that focuses on eliminating animal suffering and adopts a protectionist approach maintaining that although the traditional animal welfare ethic is philosophically flawed it can contribute strategically to the achievement of animal rights ends As they spar Francione and Garner deconstruct the animal protection movement in the United States the United Kingdom Europe and elsewhere discussing the practices of such organizations as PETA which joins with McDonald's and other animal users to improve the slaughter of animals They also examine American and European laws and campaigns from both the rights and welfare perspectives identifying weaknesses and strengths that give shape to future legislation and action

**Animal Research Facility Protection** United States. Congress. House. Committee on

Agriculture. Subcommittee on Department Operations, Research, and Foreign Agriculture, 1991      *Animal Rights and Welfare* Lawrence W. Baker, 2015-04-21 Through the use of primary source documents readers can learn about key opinions and legislation in the important field of animal rights and welfare a current and highly relevant topic *Animal Rights and Welfare* A Documentary and Reference Guide addresses a broad range of key topics within the subject of animal rights and welfare including zoos animal testing philosophy regarding the treatment of animals and practical measures instituted to protect animals supplying readers with an impartial and authoritative resource for understanding the history of animal rights and the issues that dominate discussions about animal rights Organized chronologically the book discusses topics such as animal rights within the context of hunting for food pelts and other body parts as well as for recreation working animals animals used for education or scientific and medical research animals in the fashion and entertainment industries and the food industry The text provides reproductions of dozens of carefully selected primary documents from the time of Aristotle B C to present day to engage readers and provide opportunities for them to apply their critical thinking and analysis skills The text of each document is introduced by a headnote to place it in context and concludes with analysis that details its significance and clarifies specific passages when needed Each document or excerpt is followed by a full citation of the document

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## **Table of Contents Newspaper Articles On Animal Testing**

1. Understanding the eBook Newspaper Articles On Animal Testing
  - The Rise of Digital Reading Newspaper Articles On Animal Testing
  - Advantages of eBooks Over Traditional Books
2. Identifying Newspaper Articles On Animal Testing
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Newspaper Articles On Animal Testing
  - User-Friendly Interface
4. Exploring eBook Recommendations from Newspaper Articles On Animal Testing
  - Personalized Recommendations
  - Newspaper Articles On Animal Testing User Reviews and Ratings
  - Newspaper Articles On Animal Testing and Bestseller Lists
5. Accessing Newspaper Articles On Animal Testing Free and Paid eBooks
  - Newspaper Articles On Animal Testing Public Domain eBooks
  - Newspaper Articles On Animal Testing eBook Subscription Services
  - Newspaper Articles On Animal Testing Budget-Friendly Options
6. Navigating Newspaper Articles On Animal Testing eBook Formats

- ePub, PDF, MOBI, and More
  - Newspaper Articles On Animal Testing Compatibility with Devices
  - Newspaper Articles On Animal Testing Enhanced eBook Features
7. Enhancing Your Reading Experience
    - Adjustable Fonts and Text Sizes of Newspaper Articles On Animal Testing
    - Highlighting and Note-Taking Newspaper Articles On Animal Testing
    - Interactive Elements Newspaper Articles On Animal Testing
  8. Staying Engaged with Newspaper Articles On Animal Testing
    - Joining Online Reading Communities
    - Participating in Virtual Book Clubs
    - Following Authors and Publishers Newspaper Articles On Animal Testing
  9. Balancing eBooks and Physical Books Newspaper Articles On Animal Testing
    - Benefits of a Digital Library
    - Creating a Diverse Reading Collection Newspaper Articles On Animal Testing
  10. Overcoming Reading Challenges
    - Dealing with Digital Eye Strain
    - Minimizing Distractions
    - Managing Screen Time
  11. Cultivating a Reading Routine Newspaper Articles On Animal Testing
    - Setting Reading Goals Newspaper Articles On Animal Testing
    - Carving Out Dedicated Reading Time
  12. Sourcing Reliable Information of Newspaper Articles On Animal Testing
    - Fact-Checking eBook Content of Newspaper Articles On Animal Testing
    - Distinguishing Credible Sources
  13. Promoting Lifelong Learning
    - Utilizing eBooks for Skill Development
    - Exploring Educational eBooks
  14. Embracing eBook Trends
    - Integration of Multimedia Elements
    - Interactive and Gamified eBooks

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