ANIMAL RESEARCH SAVES LIVES AND CURES DISEASES

**Canine research has led to cures for canine diseases...**
- Distemper
- Flea/tick repellants
- Parasites

**...to cures for human diseases...**
- Retinal degeneration
- Diabetes
- Metabolic syndrome
- Coronary artery disease
- Multiple sclerosis

**...and to cures for diseases affecting humans and canines**
- Spinal cord injuries
- Heart disease
- Cancer
- Hip replacement
- Arthritis
- Rabies

**FOR EXAMPLE**

**Treatment for Diabetes**
- Canine research of the pancreas
- Purification
- Insulin

**Rabbit research has led to cures for rabbit diseases...**
- Parasites
- Dental disease
- Gastrointestinal diseases

**...to cures for human diseases...**
- HIV/AIDS
- Cystic fibrosis
- Tuberculosis
- Infertility
- Kidney transplants

**...and to cures for diseases affecting humans and rabbits**
- Respiratory disease
- Eye diseases
- Rabies
- Cancer

**FOR EXAMPLE**

**Lowering the Risk of Cervical Cancer**
- Rabbit research
- HPV vaccine
- Decreased rate of cervical cancer
Animals in Research

Approximately 97% of animal research is conducted in rodents, fish, and birds. Studies in other species are awarded funding only when appropriate.

Animal Research is Regulated

- Animal Welfare Act and Public Health Service Act
- Federal agencies (NIH, USDA)
- The Guide for the Care and Use of Laboratory Animals
- Institutional Animal Care and Use Committees; institutional veterinarians

Animal Welfare and Safety

FOR EXAMPLE

Discovery of Vitamin C

Guinea pig research → Scurvy symptoms → Importance of Vitamin C to maintain health

Guinea pig research has led to cures for guinea pig diseases...
...to cures for human diseases...
...and to cures for diseases affecting humans and guinea pigs

- Urinary infection
- Lice/mites
- Gastrointestinal diseases
- Cochlear implants
- Legionnaires disease
- Tuberculosis
- Asthma/COPD
- Auditory disorders
- Infectious disease
- Scurvy
- Tuberculosis

FOR EXAMPLE

Guinea pig research has led to cures for guinea pig diseases...
...to cures for human diseases...
...and to cures for diseases affecting humans and guinea pigs

Mice, Rats, Fish, Birds
Other Species

Other

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