



Title: Research Ethics on Animals Policy			CODE:
Operating Manual:	Interdepartmental Policies and Procedures	Date Issued: 27-MAR-2024	Date Effective: 27-MAR-2024
Process Owner	Research Unit	Review Date: 27-MAR-2024	Revision Number New

1.0 PURPOSE:

1.1 To define a policy and procedure for the rules applied in conducting research in animals.

2.0 SCOPE:

2.1 The policy shall apply to all research professionals and faculty of Almoosa College of Health Science or external joint researchers, who are involved in the development, processing, and approval of research proposals involving animals.

3.0 DEFINITIONS:

3.1. Animals are defined as living creatures.

4.0 POLICY:

4.1 When reviewing proposals involving animals, it is mandatory to include: Source and quantity of animal species to be used. Details of the locations where the experiment will be carried out. The system of identification used to distinguish the animals, and the system used to save the data related to every animal, means and mechanism for the disposal.

4.2 No research conducted on animals for the purpose of acquiring skills without using anesthetics except in cases where the animal is not subject to severe pain.

4.3 Research may be conducted on animals for the purpose of demonstration to students, provided it is undertaken by a qualified person.

5.0 PROCEDURE:

When conducting research on animals, the investigator shall comply with the following:

5.1 PI shall obtain IRB approval from Almoosa College of Health Science.

5.2 Sharia provisions related to humane treatment of animals.

5.3 Scientific principles and conventions governing experiments on animals.

5.4 A license must be obtained from the local committee to conduct research on animals according to the licensing procedures of the National Committee.

5.5 Approval of the local committee to commence the research must be obtained.

5.6 It must be verified that previous cell research was conducted before conducting

research on animals.

5.7 Usage must be limited to the minimum number of animals to achieve objectives.

5.8 Harm to and suffering of animals must be minimized as much as possible.

5.9 Benefits from the research outweigh any risks and harms to the animal

5.10 The appropriate animal must be selected to provide credible information.

5.11 Practice shall be subject to appropriate and acceptable scientific and experimental principles.

6.0 ATTACHMENTS:

6.1 Attachment A Additional Ethical Information NCBE.

7.0 REFERENCES:

7.1 National Committee of Bio-ethics (NCBE).

7.2 Implementing Regulations of the Law of Ethics of Research on Living Creatures.

8.0 DISTRIBUTION:

8.1 To Almoosa Specialist Hospital staff and Almoosa College of Health Science staff and students.

8.2 Original in the Research Department.

9.0 REVIEW AND APPROVALS:

Sign here Abbas DATE 31-03-2024
NAME: Dr. Abbas Al Mutair
TITLE: Research Center Director

Sign here _____ DATE _____
NAME: Ms. Omayma Almoosa
TITLE: Administrative Affairs Director

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NAME: Dr. May Alkhunaizi
TITLE: CEO of Education

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NAME: Dr. Dalal Altamimi
TITLE: ACHS Dean

Experimental animal usage in research must be limited to the minimum number. Potential harm must be minimized as much as possible. Benefits from the research outweigh any risks and harms to the animal subject of the research or the environment in general; the appropriate animal must be selected to provide credible information and results. Practice shall be subject to appropriate and acceptable scientific and experimental principles. To conduct research on animals, any of the following shall be satisfied: To Prevent, diagnose or treat a disease or a deformity that must be rectified or whose effects must be removed; To explore animal physiology; Protection of the natural environment as well as health of humans or animals; Achievement of scientific advancement in sciences; Contribution to forensic research; Improvement of animal breeding; Conduct preliminary research on pharmaceutical substances, toxins and radioactive effects. IRB must verify that the proposal includes: Animal/plant species used, source and quantity. Any agreements with other parties. Locations where the experiment will be carried out. Emergency and hazards management plans and mechanism for disposal.

Endangered animal species may not be used in research unless said research are required for breeding or preservation of species. The approval of the Monitoring Office shall be obtained before conducting the research. Captured animals shall be subject to quarantine in their natural habitat before being moved to the research unit wherein they are to be quarantined once again before conducting the research. The National Committee shall set conditions for the quarantine and its duration. Painful or harmful methods may not be used in hunting wild animals for the purpose of research.

Wild animals may not be used in scientific research except. If it is impossible to achieve study objectives by using other alternatives; Increase the number of animals subject of the research and protect them from extinction without affecting their genetic nature; Detect whether the animal subject carries any zoonotic diseases or immunize animal to prevent spread of such diseases. Upon completion of the research and ascertaining the well-being of the research animal, it shall be released and returned to its original habitat. Wild animals may not be introduced for the purposes of research; not be returned to their habitat after being genetically modified; No research may be conducted to increase the population of certain species of wild animals at the expense of other species unless said species is in danger of extinction. For capturing terrestrial and marine animals for the purposes of research, a permit indicating the type of animal shall be obtained, without prejudice to the hunting laws.

Animals exposed to chemical, biological or genetic substances for research may not be consumed. Said animals as well as wastes and products shall be disposed under veterinary supervision. To conduct research on animals you shall have facilities for the care and appropriate laboratories for sound scientific experiments, and submit an annual report to the Monitoring Office. Persons conduct experiments on animals as well as institutions, places and experiments shall be monitored. Plants may not be used in research that upsets environmental balance and distribution of vegetation. Endangered plant species may not be

subject to negative use. The Regulations shall specify ethical terms and procedures of research on plants.

No research conducted on endangered plants unless it is necessary for reproduction or preservation with approval of the Monitoring Office. Experiments on plants shall be subject to auditing without prejudice to laws pertaining to food, drugs, and agriculture as well as Wildlife Reserves Law and the Law of Fishing, Investment and Protection of Marine Life in Territorial Waters.

Artificial hybridization may not be conducted except between animals of the same species, provided that the expected benefit outweighs. Animals may not be cloned unless medically proven safe. Transplant of animal fetuses shall be subject to the same conditions governing artificial insemination. Banks for preserving animal sperms or eggs for production or research purposes may be established, without prejudice to rules of artificial insemination. Research causing pain to animals may not be conducted unless the investigator is well versed in physiology, and the research is beneficial to science. Pain-causing research and experiments on animals must be conducted under anesthesia unless this undermines research objectives. Upon completion, the animal shall be disposed of while under anesthesia, in accordance with the Sharia. Genetic modification research on animals and plants shall be conducted in laboratories designated for this purpose, provided all measures are taken to prevent escape of genetically modified creature. Microorganisms subject to the research and their outcome shall be disposed scientifically.

Experimentation animals shall be disposed if they contract an infectious disease other than the one under study. However, if it is possible to treat such animals, it should be isolated and quarantined under veterinarian supervision, with reporting the disease its control or treatment.