

86 R 0006

St. Joseph's Hospital and Medical Center
Barrow Neurological Institute
Phoenix, Arizona 85013
Registration No. 86-R-0006
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IACUC-approved exceptions to regulations and standards.

Four exceptions to regulations were approved by the Institutional Animal Care and Use Committee at St. Joseph's Hospital.

The first exception is the schedule for providing food to cats. As part of two IACUC-approved protocols that involve behavioral experiments, the provision of food to cats is limited to one session each day in the laboratory. Food is provided as a positive reinforcement to obtain the behavior under study. At the end of each session, the animals are allowed to eat to satiation. Five animals have been used in these protocols during the current reporting period.

The second exception is the schedule for providing water to rhesus monkeys. As part of two IACUC-approved protocols that involves behavioral experiments, the provision of water to rhesus monkeys is limited to one session each day in the laboratory. At the end of each session, the animals are allowed to drink to satiation. Three animals have been used in these protocols during the current reporting period. These experiments are conducted Monday through Friday, with ad lib water being given from Friday afternoon till Sunday evening.

A third exception is the schedule for providing food to cynomolgus monkeys. As part of one IACUC -approved protocol that involves behavioral experiments, the provision of food to monkeys is limited to one session each day in the laboratory. Food is provided as a positive reinforcement to obtain the behavior under study. At the end of each session, the animals are allowed to eat to satiation. One animal has been used in this protocol during the current reporting period.

The final exception is approval for multiple survival surgeries. The IACUC has approved 3 protocols with multiple survival surgeries.

For two of the approved protocols, involving cats, the first surgery involves the placement of a neuro-recording chamber followed approximately two weeks later by a surgery for placement of EMG wires. The committee felt that it was better for the animals to undergo two surgeries of short duration (i.e., less than 8 hours), than one surgery lasting 18 hours. During the past year, zero animals have undergone these procedures.

Finally, as part of one protocol involving rhesus monkeys, the first surgery involves placement of a neuro-recording chamber which may be followed by several small craniotomies as needed. No new craniotomies will be performed within three weeks of each other. The committee felt that it was better for the animal to undergo smaller craniotomies rather than one large one at the time of implantation, thus limiting the risk for infection, edema, and blood vessel damage. No animal has undergone these procedures during this reporting period.

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