**Pain and Distress (P/D) Categorization**

CATEGORY C: Animals that will undergo study-related procedures that involve no pain or distress (P/D) or no more than slight or momentary P/D that doesn’t require pain-relieving drugs.

*Cat C Examples:*

1. Methods of euthanasia conducted in accordance with AVMA Guidelines for Euthanasia of Animals & Section 1.1 of the AWAR;
2. Routine procedures (e.g., injections, tattooing, blood sampling);
3. Administration of an anesthetic, analgesic or tranquilizing drug to an animal for *restraint* purposes to perform a procedure that involves no pain or distress (e.g. preventing movement during painless imaging, or facilitation of anatomical measurements);
4. Non-surgical catheterization;
5. Manipulative procedures (e.g. palpations, skin scrapings, radiography).

CATEGORY D: Animals that will undergo study-related procedures that involve more than momentary P/D which WILL bealleviated with anesthetics, analgesics, or tranquilizers.

*Cat D Examples:*

1. Surgical procedures (e.g. biopsies, gonadectomies, exposure of blood vessels, laparotomies, craniotomies, neurophysiological manipulations, implantation of electrodes and recording devices;
2. Terminal procedures in which the animal(s) are euthanized before recovering from anesthesia;
3. Anesthetized periorbital collection of blood in species without a true orbital sinus (e.g. rats and guinea pigs);
4. Administration of drugs, chemicals, toxins, or organisms that are expected to produce P/D, which will be alleviated by analgesics.

CATEGORY E: Animals that will undergo study-related procedures that involve more than momentary P/D which will NOT be alleviated for scientifically justified purposes.

*Cat E Examples:*

1. Toxicology studies, lethal dose (LD), maximum tolerated dose (MTD) studies;
2. Lethal irradiation;
3. Infection disease or cancer studies that require continuation until clinical symptoms resulting in P/D are evident or death occurs;
4. Ocular or skin irritancy testing, infliction of burns or trauma;
5. Exposure to abnormal or extreme environmental conditions (constant light or constant dark, prolonged heat, or cold exposure);
6. Behavioral studies with noxious stimuli that the animal cannot avoid or escape (e.g. forced aggression, sleep deprivation (>24 hrs), forced swim, fear conditioning (with electric shock).