

Appendix A - Examples of procedures and corresponding Pain and Distress categories

Category B	Category C	Category D	Category E
Animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery, but not yet used for such purposes.	Animals upon which teaching, research, experiments, or tests will be conducted involving no Pain, Distress, or use of Pain-relieving drugs.	Animals upon which experiments, teaching, research, surgery, or tests will be conducted involving accompanying Pain or Distress to the animals and for which appropriate anesthetic, analgesic, tranquilizing drugs or other qualifying interventions <u>will be used</u> .	Animals upon which teaching, experiments, research, surgery, or tests will be conducted involving accompanying Pain or Distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs will adversely affect the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests and, therefore, will be withheld.
Example	Example	Example	Example
<ol style="list-style-type: none"> 1. Breeding colonies of any animal species that are handled in accordance with IACUC approval, the <i>Guide</i> and other applicable regulations; breeding colony includes parents and offspring 2. Newly acquired animals that are handled in accordance with IACUC approval and applicable regulations 3. Animals held under proper captive conditions or wild animals that are being observed without manipulating the animal or its environment 4. Exhibition 	<ol style="list-style-type: none"> 1. Manual restraint that is no longer than would be required for a simple exam; short period of chair restraint for an adapted nonhuman primate 2. In-laboratory observation 3. Tattoo; ear punch; microchip 4. <u>Rodent tail biopsy</u> <21 days 5. Peripheral injections 6. Peripheral phlebotomy <10% 7. Peripheral catheter placement 8. Special diet for animals with no clinical problems 9. Positive reward training 10. Environmental alternation – mild 11. <u>AVMA approved Euthanasia</u> 12. New phenotype – not Painful 13. Imaging 14. Superovulation 	<ol style="list-style-type: none"> 1. Survival surgery 2. Non-survival surgery 3. Perfusion while anesthetized 4. Rodent tail biopsy >21 days 5. Induced illness with medical relief 6. Tumor induction 7. Painful phlebotomy requiring anesthesia 8. Food/fluid scheduling (e.g., <u>food and fluid restriction for non-human primates</u>) 9. Laparoscopy or needle biopsies 10. Retro-orbital blood collection 11. Blood collection by more invasive routes such as intracardiac or periorbital collection from species without a true orbital sinus 12. Administration of drugs, chemicals, toxins, or organisms that would be expected to produce Pain or Distress but which will 	<ol style="list-style-type: none"> 1. Procedures producing Pain or Distress unrelieved by analgesics such as toxicity studies, microbial virulence testing, radiation sickness, and research on stress, shock, or Pain 2. Surgical and postsurgical sequelae from invasion of body cavities, orthopedic procedures, dentistry or other hard or soft tissue damage that produces unrelieved Pain or Distress 3. Burn studies 4. Sepsis 5. Ocular/skin irritancy testing 6. Negative conditioning via electric shocks that would cause Pain in humans 7. Forced smoking 8. Environmental alteration – extreme 9. Paralysis 10. New phenotype – Painful 11. Antibody production using ascites 12. Footpad injections 13. Total body irradiation without reconstitution 14. Death as an endpoint

	<p>15. Nonsurgical embryo collection</p> <p>16. In vivo tissue/cell labeling</p> <p>17. Gavage</p> <p>18. Procedures performed correctly by trained personnel, such as the administration of electrolytes/fluids, administration of oral medication, blood collection from a common peripheral vein per standard veterinary practice or catheterization of same, standard radiography, and parenteral injections of non-irritating substances</p>	<p>be alleviated by analgesics, anesthetics, tranquilizers, or supportive care</p> <p>13. Protocols involving exercise</p>	<p>15. Chairing of nonhuman primates not conditioned to the procedure for the time period used</p> <p>16. Unusual or prolonged restraint (please refer to the <u>IACUC Policy on Physical Restraint</u> for further guidance).</p>
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