**Evaluation of pain and definition of human endpoint**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameters** | **State** | **Score** | **Date** | **Date** | **Date** | **Date** | **Date** |
| **Appearance**  **/hydration status** | Normal skin tent and posture | 0 |  |  |  |  |  |
| Slight skin tent present on dorsum | 1 |  |  |  |  |  |
| Moderate skin tent, hunched posture, piloerection present | 2 |  |  |  |  |  |
| Severe skin tent, piloerection | 3 |  |  |  |  |  |
| **Behavior**  **condition** | Normal, active in cage prior to and during handling, nesting, sleeping in groups | 0 |  |  |  |  |  |
| Decreased activity, isolated but alert, responsive to handling. | 1 |  |  |  |  |  |
| Lethargic, isolated, decrease resistance to handling.  Labored breathing. | 2 |  |  |  |  |  |
| Nonresponsive, move only when touched,  Slow, labored breathing (HE) | 3 |  |  |  |  |  |
| **Body condition** | BC-3 | 0 |  |  |  |  |  |
| BC-2 | 1 |  |  |  |  |  |
| BC-1 (HE) | 3 |  |  |  |  |  |
| **Tumor size and ulceration of tumors** | No palpable tumor | 0 |  |  |  |  |  |
| 100 mm3 | 1 |  |  |  |  |  |
| 200 mm3 | 2 |  |  |  |  |  |
| 300 mm3 with/without ulceration\* | 3 |  |  |  |  |  |
| 400 mm3 with/without ulceration (HE) | 4 |  |  |  |  |  |

\* the presence of ulceration of tumors is always the humane endpoint

Total score

0 – 3 normal

4 – 6 pay close attention; provide supplementary care, e.g. extra fluids, wet food, analgesia treatment

(Type and dose:\_\_\_)

7 – 10 review progress with veterinarian, always euthanasia if high score (2) in several of the parameters

11 – 12 implement humane endpoint (HE)/euthanasia, or score related to HE (score 3 or 4) in any of the parameters

[[An external file that holds a picture, illustration, etc.
Object name is nihms387744f2.jpg](https://www.ncbi.nlm.nih.gov/core/lw/2.0/html/tileshop_pmc/tileshop_pmc_inline.html?title=Click%20on%20image%20to%20zoom&p=PMC3&id=3399545_nihms387744f2.jpg)](https://www.ncbi.nlm.nih.gov/core/lw/2.0/html/tileshop_pmc/tileshop_pmc_inline.html?title=Click%20on%20image%20to%20zoom&p=PMC3&id=3399545_nihms387744f2.jpg" \t "tileshopwindow)