Mouse Tumor Scoring

1. Appearance and Body Condition Score (BCS):
   a. BCS of 3: Normal; Score=0.
   b. BCS of 3: poor hair coat, decreased activity, normal posture and mobility; Score=2.
   c. BCS of 2: poor hair coat, decreased activity or hunched posture; Score=3.
   d. BCS of 1: poor hair coat, severe lethargy; Score=6.
   e. Moribund and/or severe cachexia; Score=19.

2. Tumor & degree of necrosis or ulceration (degree of ulceration to be determined by DLAM staff):
   a. Tumor ≤ 7mm in any dimension; Score=0.
   b. Tumor ≤ 7mm in any dimension with minor ulceration; Score=4.
   c. Tumor 7-17mm in any dimension; Score=9.
   d. Tumor ≥ 18mm in any dimension, or abdominal distention; Score=12.
   e. Tumor ≥ 20mm in any dimension; Score=14.

3. Bodyweight Change (for growing animals subtract percent deviation from normal growth pattern).
   a. No change from pre-tumor weight; Score=0.
   b. Weight loss of 5-10%, or gain of 5%; Score=9.
   c. Weight loss of 10-15%, or gain of 6-9%; Score=12.
   d. Weight loss of > 15%, or gain of > 10%; Score=15.
   e. Weight loss of > 25%; Score=18.

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<tr>
<th>Cumulative Score</th>
<th>Recommended Action</th>
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<tbody>
<tr>
<td>0-7</td>
<td>Routine monitoring adequate.</td>
</tr>
<tr>
<td>8-13</td>
<td>Routine monitoring adequate. Consider supportive therapy such as fluid administration and easy access to food.</td>
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<td>Contact lab animal personnel to discuss action plan. Euthanasia is likely and should be considered.</td>
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**BC1**
**Mouse is emaciated**
- Segmentation of vertebral column prominent if not visible.
- Little or no flesh cover over dorsal pelvis. Pins prominent if not visible.
- Segmentation of caudal vertebrae prominent.

**BC2**
**Mouse is under conditioned**
- Segmentation of vertebral column prominent.
- Thin flesh cover over dorsal pelvis, little subcutaneous fat. Pins easily palpable.
- Thin flesh cover over caudal vertebrae, segmentation palpable with slight pressure.

**BC3**
**Mouse is well conditioned**
- Segmentation of vertebral column easily palpable.
- Moderate subcutaneous fat store over pelvis. Pins easily palpable with slight pressure.
- Moderate fat store around tail base, caudal vertebrae may be palpable but not segmented.
1. Appearance and Body Condition Score (BCS):
   a. BCS of 3: Normal; Score=0.
   b. BCS of 3: poor hair coat, decreased activity, normal posture and mobility; Score=2.
   c. BCS of 2: poor hair coat, decreased activity or hunched posture; Score=3.
   d. BCS of 1: poor hair coat, severe lethargy; Score=6.
   e. Moribund and/or severe cachexia; Score=19.

2. Tumor & degree of necrosis or ulceration (degree of ulceration to be determined by DLAM staff):
   a. Tumor ≤ 20mm in any dimension; Score=0.
   b. Tumor ≤ 20mm in any dimension with minor ulceration; Score=4.
   c. Tumor 20-34mm in any dimension; Score=9.
   d. Tumor ≥ 35mm in any dimension, or abdominal distention; Score=12.
   e. Tumor ≥ 40mm in any dimension; Score=14.

3. Bodyweight Change (for growing animals subtract percent deviation from normal growth pattern).
   a. No change from pre-tumor weight; Score=0.
   b. Weight loss of 5-10%, or gain of 5%; Score=9.
   c. Weight loss of 10-15%, or gain of 6-9%; Score=12.
   d. Weight loss of > 15%, or gain of > 10%; Score=15.
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