

Annex C (informative)

Trauma

C.1 Trauma scale — Example 1

Pathological observations	Score (points)
1) Claw loss	2 points
2) Oedematous swelling or haemorrhage	5 points (max. 15)
3) Minor cutaneous laceration	5 points
4) Minor subcutaneous soft tissue maceration or erosion (contusion)	10 points
5) Major cutaneous laceration, except on foot pads or tongue	10 points
6) Minor periosteal abrasion	10 points
7) Severance of minor tendon or ligament (each)	25 points
8) Amputation of one digit	25 points
9) Permanent tooth fracture exposing pulp cavity	30 points
10) Major subcutaneous soft-tissue maceration or erosion	30 points
11) Major laceration on foot pads or tongue	30 points
12) Severe joint haemorrhage	30 points
13) Joint luxation at or below the carpus or tarsus	30 points
14) Major periosteal abrasion	30 points
15) Simple rib fracture	30 points
16) Eye lacerations	30 points
17) Minor skeletal muscle degeneration	30 points
18) Simple fracture at or below the carpus or tarsus	50 points
19) Compression fracture	50 points
20) Comminuted rib fracture	50 points
21) Amputation of two digits	50 points
22) Major skeletal muscle degeneration	55 points
23) Limb ischemia	55 points
24) Amputation of three or more digits	100 points
25) Any fracture or joint luxation on limb above the carpus or tarsus	100 points
26) Any amputation above the digits	100 points
27) Spinal cord	100 points
28) Severe internal organ damage (internal bleeding)	100 points
29) Compound or comminuted fracture at or below the carpus or tarsus	100 points
30) Severance of major tendon or ligament	100 points
31) Compound rib fractures	100 points
32) Ocular injury resulting in blindness of an eye	100 points
33) Myocardial degeneration	100 points
34) Death	100 points

NOTE This point system does not represent a statement by ISO/TC 191 related to welfare aspects of individual traumas. Such judgements are left to the parties using this part of ISO 10990.

C.2 Trauma scale — Example 2

Mild trauma

- 1) Claw loss
- 2) Oedematous swelling or haemorrhage
- 3) Minor cutaneous laceration
- 4) Minor subcutaneous soft tissue maceration or erosion (contusion)
- 5) Major cutaneous laceration, except on foot pads or tongue
- 6) Minor periosteal abrasion

Moderate trauma

- 7) Severance of minor tendon or ligament (each)
- 8) Amputation of one digit
- 9) Permanent tooth fracture exposing pulp cavity
- 10) Major subcutaneous soft tissue maceration or erosion
- 11) Major laceration on foot pads or tongue
- 12) Severe joint haemorrhage
- 13) Joint luxation at or below the carpus or tarsus
- 14) Major periosteal abrasion
- 15) Simple rib fracture
- 16) Eye lacerations
- 17) Minor skeletal muscle degeneration

Moderately severe trauma

- 18) Simple fracture at or below the carpus or tarsus
- 19) Compression fracture
- 20) Comminuted rib fracture
- 21) Amputation of two digits
- 22) Major skeletal muscle degeneration
- 23) Limb ischemia

Severe trauma

- 24) Amputation of three or more digits
- 25) Any fracture or joint luxation on limb above the carpus or tarsus
- 26) Any amputation above the digits
- 27) Spinal cord injury
- 28) Severe internal organ damage (internal bleeding)
- 29) Compound or comminuted fracture at or below the carpus or tarsus
- 30) Severance of major tendon or ligament
- 31) Compound rib fractures
- 32) Ocular injury resulting in blindness of an eye
- 33) Myocardial degeneration
- 34) Death

NOTE This system does not represent a statement by ISO/TC 191 related to welfare aspects of individual traumas. Such judgements are left to the parties using this part of ISO 10990.

C.3 Determination of trauma classes when an animal receives more than one trauma

Trauma class

Mild:	= 1 mild trauma
Moderate:	= 1 moderate trauma or 3 mild traumas
Moderately severe:	= 1 moderately severe trauma or 2 moderate traumas or 1 moderate + 2 mild traumas or 5 mild traumas
Severe:	= 1 severe trauma or 2 moderately severe traumas or 1 moderately severe + 1 moderate + 2 mild traumas or 1 moderately severe + 2 moderate traumas or 1 moderately severe + 5 mild traumas or 3 moderate traumas or 2 moderate + 4 mild traumas or 1 moderate + 7 mild traumas or 10 mild traumas