

LC001-Poster

Abattoir Study of Bovine Claw Lesions in Ardebil – Iran

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Lameness remains a considerable economic loss in operations. Losses related to lameness include treatment cost, milk production, infertility and premature culling. The majority of bovine lameness involves structures of the digit. Claw capsule lesions are the most common cause's lameness in cows.

During the entire year of 2005 a survey was undertaken by the sir author on the prevalence of different claw lesions causing lameness on 30882 cases of culled cows and bulls at central abattoir in the vicinity of Ardebil which was well equipped and with new constructions. After recording information for each case, the feet were amputated and solar parts of the claws were pared for more morphopathological studies.

The claws lesion in cows (80.4 %) was more than bulls (19.5 %) ($P < 0.05$). A chi-squared test applied to the corresponding table of frequencies showed these rankings to be significantly different ($P < 0.05$). The prevalence rate of claw lesion among all cases was 24/2 per cent. Most lesions occurred in the feet; the commonest were slurry heel (51.6 %), white line disease (24.2 %), diffuse septic pododermatitis (10.4 %), sole ulcer (9.3 %) and aseptic traumatic pododermatitis (4/1 %). The prevalence rate of claw lesion in the fore limb was higher than limb. Slurry heel was the most important factor as the cause of deep sepsis of the digit.

The results obtained from this study demonstrate that lameness is an important problem in cows and beef head in Ardebil.

Key words: Claw Lesions, Culling, Dairy Cow, Deep Sepsis, Digit, Lameness



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