

Anatomy of the mandible and hyoid apparatus in the Alborz wild sheep

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The Central Alborz wild sheep is a hybrid of the Urial ram with 58 chromosomes and the Armenian ram with 54 chromosomes. This ram is one of the largest hybrids mentioned [1]. In head CT scan, useful information is obtained by providing accurate cross-sectional images of the nasal cavity, paranasal sinuses and brain cavity [2]. In this study, the skulls of 6 male Alborz wild sheep, all alive, were examined. The examinations were performed using CT scans and radiographic images. It also processed and named the extracted images using RadiAnt and Photoshop software. Morphometric examinations of the mandible showed that the bone was 18.55 ± 0.48 cm long on average. Also, the average height of this bone from the lowest part to coronoid process was calculated to be 10.58 ± 0.52 cm. The average distance between the last incisive tooth to the mental foramen (MFID) and the first pre-molar tooth to the mental foramen (MFPD) were calculated as 2.03 ± 0.60 and 2.52 ± 0.66 cm, respectively. The hyoid apparatus consists of 4 pairs of bones, the tallest and smallest of which are stylohyoid and epihyoid, are 5.66 ± 0.45 and 1.14 ± 0.47 cm long on average, respectively. Also, the average lengths of cerato and thyrohyoid were 1.54 ± 0.42 and 1.33 ± 0.44 cm, respectively. The average size of the first incisive tooth in Alborz wild sheep and Ile de France sheep [3] were 0.67 ± 0.33 and 0.55 ± 0.01 cm, respectively.

Biography

Seyyed Hossein Modares Tankaboni completed his doctorate in general veterinary medicine at the age of 25 at the Faculty of Veterinary Medicine of Tehran University and has presented more than 10 articles in the field of CT anatomy and artificial intelligence in various congresses of veterinary science.

References

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