

Measurements of Tooth Size of Beagle Dogs for Dental Implantation

Jung-eun Kim, Ji-hun Kim, Woo Choi, Jang-yoon Choi, Se-il Park and Kwang-ho Jang

College of Veterinary Medicine, Kyungpook National University, Daegu, Korea

**Hwang gum Animal Medical Center, Daegu, Korea*

The purpose of this investigation was to obtain basic data about tooth size of beagle dogs for dental implantation.

The maxillary and mandibular tooth root width and length, root alveolar width, and tooth crown width of 7 beagle dogs were measured using a digimatic caliper calibrated in 0.01mm increment. Tooth root width, root alveoli width and crown width were obtained by measuring the widest of mesio-distal portion and bucco-lingual portion(or labio-lingual portion). Tooth root length was taken the mean of the longest and the shortest distances from the cemento-enamel junction to the root apex. These items were measured by two investigators.

The range of mesio-distal tooth root width(mm) is 1.64(1I)~7.92(4P-mesial). The range of the labio-lingual or bucco-palatal tooth root width(mm) is 2.29(P2-mesial)~9.09(Max. Rt.Canine). The range of tooth root length(mm) is 4.42(M2-palatal)~26.42(Man, Lt.Canine). The range of mesio-distal tooth crown width(mm) is 2.72(1I)~15.85(P4). The range of the labio-lingual or bucco-palatal tooth crown width(mm) is 2.78(P1)~8.89(Man. Rt.Canine). The range of mesio-distal ridge alveolar width(mm) is 2.08(1I)~18.37(1M). The range of the labio-lingual or bucco-palatal tooth crown width(mm) is 2.68(1P)~12.84(M1).

The measured values of those items could be contribute to the dental implant manufacture of beagle dogs.

Key words: tooth root width, tooth root length, root alveolar width, crown width, beagle dogs