

Hypoparathyroidism in a Diabetic Dog

Soojung Lim, Hyejin Lee, Sunhee Lee and Kunho Song*

Laboratory of Veterinary Internal Medicine, College of Veterinary Medicine, Chungnam National University, Daejeon, Korea

Signalments: A miniature schnauzer (8-year-old, male castrated), diagnosed diabetes mellitus 6 months ahead, were referred to the Veterinary Medicine Teaching Hospital of Chungnam National University with hindlimb stiffness, facial rubbing and tetany.

Results: Serum chemistry showed severe hypocalcemia and hypomagnesemia. Measured iPTH(intact parathyroid hormone) concentration was low(<3.0 pg/ml). Consistent rate injection of calcium gluconate(1ml/kg over 30minutes) resulted in prompt relief of the tetany. Then typical treatment for hypoparathyroidism with calcium gluconate and dihydrotachysterol and magnesium administration could control the neuromuscular signs of hypoparathyroidism.

Clinical relevance: Parenteral calcium administration and enteral calcium, vitamin D and magnesium for titanic condition of diabetic dog brought efficacious result.

Key words: hypocalcemia, hypoparathyroidism, diabetes mellitus, dog

*Corresponding author: songkh@cnu.ac.kr