Concurrent hypocalcaemia and hypokalemia in Kangayam cow- a case report

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A 6 year old Kangayam cow was brought to Veterinary College and Research Institute, Namakkal with a history of having calving calved 7 days earlier and became recumbent subsequently. Clinical examination revealed dull animal in sternal recumbency with lateral kinking of head and subnormal temperature. Serum biochemical analysis revealed low level of calcium and potassium. The case was diagnosed as a downer with concurrent hypocalcaemia and Hypokalemia. The cow was treated with 450 ml of calcium borogluconate i/v and 150 ml of potassium chloride in 2.5 liters of Normal saline (slow i/v), vitamin AD₃E 10 ml i/m. the animal respond to treatment and recover uneventfully.