- 1 Evaluation of the treatment of the congenital articular rigidity in calves depending on
- 2 the grade of severity.
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- 5 Several congenital anomalies are notified in the Belgian blue calves. Congenital Joint Rigidity is the
- 6 most frequent as it concerns 5% of consultations in our department.
- 7 Our study is based on 74 referred clinical cases in 3 years (2009 to 2011). It highlights predisposing
- 8 factors of this disease. Indeed, 84% of the cases are males. The average weight of calves is 9% higher
- 9 than the other calves and the disease's severity is influenced by the combination of these two
- parameters with the number of the mother 's parity. Diagnosis technical classify the calves into 4
- degrees from the less to the most severe. This classification allows us to get a diagnosis, a prognosis
- and apply the adequate treatment.
- Grade I: achieving a biped. Slight bending at the fetlock joint. The general condition of the animal is
- 14 good. The calf stand up, moves. Manual reduction of the bending is complete.
- Grade II: achieving a biped. Slight bending at the fetlock joint. The general condition of the animal is
- good. The calf stand up, moves on his fetlock joint. Manual reduction of the bending is possible.
- 17 Grade III: achieving a biped and two joints (fetlock and carpus joints or fetlock and hock joints). The
- 18 general condition of the animal is altered. The calf does not stand alone, but when we aid, he standing.
- 19 Manual reduction of the bending is incomplete.
- 20 Grade IV: achievement of four members with one or two joints. The general condition is bad. The
- 21 animal does not get up and do not move. Does not stand up when we aid him.Manual reduction is
- 22 impossible.
- 23 In our study, the percentage of the treated calves is 91% the others 9% are euthanized for bad
- prognosis. Usually, grades I receive vitamins, the others grades are treated by surgery or with a splint
- 25 too.
- The treatment success rate is 72%, with 100% on grades I, 81% on grades II, 65% on grades III and
- 27 40% on grades IV. Usual complications of this disease are omphalitis and arthritis, which decrease the
- 28 prognosis.
- 29 As well as having evaluated the eficacy of diagnosis and treatment carried out, this study allowed us to
- realize the monitoring and the fate of animals after their hospitalization.