

牛产后并发酮血病的诊治

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摘 要:牛酮血病常发于3~6胎的高产牛,多见于各种品种的公牛和母牛;患牛主要是体内糖和生糖物质不足,导致体内酮体过多而不能代谢的一种疾病

关键词:牛;酮血病;诊治

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近几年,随着牛产业的发展,牛酮血病也成为危害牛业发展的一种疾病,常见于各种品种的家牛、高产牛、公牛和母牛,多发于3~6胎高产牛、产后牛或膘情较好牛。此病主要是饲养管理不当或饲料搭配不合理引起牛体内糖和生糖物质等严重不足,同时出现低血糖,并体内产生大量的酮体不能代谢而引发此病。此病的主要特征是患畜卧地、昏睡、前胃弛缓、口、奶、尿有醋酮味即烂苹果味等。

1 病例介绍及临床检查

1.1 畜主主诉

某农户自家饲养的一高产黑白花奶牛,第4胎,于2019年12月5日产一犊牛(公牛),目前犊牛健康,母牛于2019年12月25日开始,食欲不振、多卧地、奶量减少、尿呈浅黄色并伴有泡沫,自己认为牛感冒肌注安痛定和抗生素等药物2 d未见好转,第3天叫大队兽医诊治,患牛已卧地不起、精神不好、昏睡、针刺腿部有疼痛感、被诊断为产后瘫痪,治疗3 d不见好转,于2020年1月1日,叫笔者前往诊治。

1.2 临床检查

经检查患牛体温正常、呼吸稍粗、心律不齐、前胃弛缓、卧地、昏睡、针刺腿部有疼痛感、肌肉震颤、口、奶、尿醋酮味明显(烂苹果味)。

2 诊 断

通过患牛的临床检查、卧地姿势、有烂苹果味、昏睡、产后20 d左右及畜主主诉可确诊为产后引发的牛酮血病,也可血液及尿内酮体试纸快速诊断或

实验室进一步确诊。

3 治疗原则和方案

3.1 治疗原则

采取“两补”——“中和”对症治疗的原则。即“两补”是补充钙、糖两种物质;一“中和”是及时纠正酸碱平衡。

3.2 治疗的方案方法

早晨按序静脉注射复方氨基酸1 000 mL→25%葡萄糖500 mL→10%葡萄糖500 mL加入维生素C 7 g,10%安钠咖15 mL→10%葡萄糖酸钙300~500 mL→25%葡萄糖500 mL→若有感染加入抗生素,口服250 g甘油;隔6~7 h,静脉注射25%葡萄糖800 mL→5%碳酸氢钠1 000 mL,口服250 g甘油,并饮用红糖水300~500 g。

根据以上治疗方案连续治疗5~6 d取得了良好的效果,个别视病情的轻重。

4 小结与体会

牛酮血可发于公牛或母牛,产后母牛多发;加强饲养管理、合理搭配饲料,对怀孕中、后期的母牛多给含碳水化合物粗饲料,补足母牛所需的糖、维生素、钙等营养物质可预防此病发生;适当增加运动量促进消化功能和营养物质的吸收等对此病发生也有预防作用;已发病的患牛及时补充糖、钙等物质的同时,纠正酸中毒也十分必要,在临床上应采取综合治疗的措施,效果较佳。

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Diagnosis and Treatment of Postnatal Ketone Blood Disease in Bovine

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Abstract: Ketone blood disease often occurs in 3 ~ 6 fetuses of high-yielding cattle, more commonly seen in various breeds of bulls and cows. The disease is mainly caused by the deficiency of glucose and glycemic substances in the body, which leads to the excess of ketones in the body.

Key words: bovine; ketone blood disease; treatment

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Investigation Report of Beef Cattle Breeding in Rural Area of Yuanjiang County

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Abstract: Yuanjiang county is located in the southern-central of Yunnan, has the typical dry-hot valley climate, and rich in natural resources. Beef cattle industry is an important part of Yuanjiang animal husbandry development, consumption of beef accounted for the proportion of meat on the rise year by year. In recent years, Yuanjiang beef cattle industry and market are facing the problem and pressure of insufficient beef supply and the products quality are not well. This report analyzes the basic situation of natural resources, beef cattle inventory, and field survey the beef cattle distribution, group structure in rural area and so on. The existing problems and difficulties are pointed out and countermeasures are put forward. It has laid a solid foundation for the next step of Yuanjiang county, especially the rural areas, to explore and popularize efficient beef cattle breeding technology, provide beef products in public demand, thoroughly promote the supply-side structural reform of animal husbandry, and promote the vigorous development of beef cattle industry.

Key words: Yuanjiang rural area; beef cattle breeding; industry development; investigation report