

EFFICIENCY OF DAIRY COWS ESTROUS CYCLE RECOVERY AFTER TREATMENT OF REPRODUCTIVE DISORDERS

Renalda Juodžentytė, Vytuolis Žilaitis

*Large Animals clinic, Veterinary academy, LSMU, Tilzes str.18, Kaunas, Lithuanian
e.mail: renalda.juodzentyte@lsmuni.lt*

Abstract. The aim of this study was to estimate the reproductive function disorders of dairy cows depending their age, productivity and holding mode and evaluate efficiency of hormonal stimulation of reproduction function the cows after recovery. Evaluate the incidence ovarian cysts and hypofunction of dairy cows and efficiency of hormonal stimulation of reproduction function after recovery. Selected analogous yielding (7000-7500 kg per lactation), different holding (A farm - 88 - bonded holding, B farm - 38, - loose holding), 1 - 4 lactation, 60 - 100 DM (n= 126) open cows. We were done two experiments. First experiment: Cows are evaluated according to the ovarian condition and selected on 3 groups. 1 group (n=97) - healthy cows with typical derivatives in ovaries and with reproductive disorders - 2 group (n=20) with hypofunction ovary, and 3 group (n=9) ovarian cysts. Second experiment: All cows (healthy and after treatment of reproductive disorders) we were stimulated with prostaglandins and with by Ovsynch protocols. In the farm "A" cows with ovarian hypofunction were determined at 7.2 percent less than farm "B". Cysts on the farm "A" were determined at 12.8 percent more than at farm "B". Milk yield has impact on reproduction status. In the healthy group, the milk yield was 27.02 ± 0.761 , with ovarian hypofunction 26.55 ± 1.694 and cysts 26.22 ± 1.935 . Hypofunction of the first lactation cows were determined 1.4 percent more than >4 lactating cows, ovarian cysts >4 lactating cows are 1.2 percent more than 1 and 2-3 lactation cows. Pregnancy rates with prostaglandin was 61.8 percent and Ovsynch - 68.0 percent. Cows which suffered from hypofunction are more likely to be pregnant than those with cysts.

Influence of milk yield and age on morbidity in ovarian cysts and hypofunction is wasn't evidenced. On reproductive disorders had influence housing. Recovered after treatment of hypofunction should be stimulated by prostaglandins by Ovsynch protocol. Recovered after treatment of cysts, need stimulate by Ovsynch, because efficiency was 2 time greater, in compare prostaglandins.

Keywords: Cows, Stimulation, Ovarian, Cysts, Hypofunction.