



BOSNIAN - TURKISH SCIENTIFIC DAYS 2011
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Veterinary Faculty Sarajevo

Sarajevo, April 14-17, 2011
Bosnia and Herzegovina



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Dietary black seed (*Nigella Sativa*) oil affects serum lipids in broiler chickens

Congenital Disorders in Holstein Cattle Breeding: Serious Hazards and Eradication Rules

Kozet AVANUS, Ahmet ALTINEL¹

Abstract

Holstein is the most common improved breed being used in dairy cattle breeding in Turkey. Intensive usage of elite sires in artificial insemination all around the world increased congenital recessive disorders in Holstein breed. The aim of this study is to summarize the most important recessive hereditary disorders in Holstein cattle. Important congenital disorders in Holstein cattle breeding are: BLAD (Bovine Leukocyte Adhesion Deficiency), DUMPS (Deficiency of Uridine 5 Monophosphate Synthase), Bovine Citrullinaemia, CVM (Complex Vertebral Malformation), and Factor XI deficiency. The detection of heterozygotes with molecular methods enables the selection of non-carriers, prevention of the spread of recessive disorders and eradication of these disorders from herd.

Key Words: Holstein, congenital disorder, heterozygote, carrier, eradication.

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