

Effects of Dietary Canola Oil and Vitamin E on Sperm Motility in Kurdish Ram

Authors : A. Pirestani, M. Alirezaie, S. Safavipour

Abstract : The present study was designed to investigate the effect of dietary canola oil and Vit E on sperm motility parameters. Sixteen Kurdish rams were selected with weight average 54.47 ± 2.58 and with year of 3 to 4 approximately and divided to four experimental groups as randomly. Experimental groups were control, Vit E (20 IU in diet), canola oil (2.5% of DMI) and Vit E (20 IU in diet) + Canola oil (2.5% of DMI). Sperm was collected by electroejaculation at 6 week and 11 week after begging of experiment and sperm motility was analyzed by using CASA software. The results showed that motility parameter wasn't significant difference between whole experimental groups at first time (week 6) but PM% and TM% was significant difference in canola oil and Vit E at second time (week 11), separately. It was concluded that Vit E and canola oil improvement sperm motility in Kurdish ram. The present study was designed to investigate the effect of dietary canola oil and Vit E on sperm motility parameters. Sixteen Kurdish rams were selected with weight average 54.47 ± 2.58 and with year of 3 to 4 approximately and divided to four experimental groups as randomly. Experimental groups were control, Vit E (20 IU in diet), canola oil (2.5% of DMI) and Vit E (20 IU in diet) + Canola oil (2.5% of DMI). Sperm was collected by electroejaculation at 6 week and 11 week after begging of experiment and sperm motility was analyzed by using CASA software. The results showed that motility parameter wasn't significant difference between whole experimental groups at first time (week 6) but PM% and TM% was significant difference in canola oil and Vit E at second time (week 11), separately. It was concluded that Vit E and canola oil improvement sperm motility in Kurdish ram. The present study was designed to investigate the effect of dietary canola oil and Vit E on sperm motility parameters. Sixteen Kurdish rams were selected with weight average 54.47 ± 2.58 and with year of 3 to 4 approximately and divided to four experimental groups as randomly. Experimental groups were control, Vit E (20 IU in diet), canola oil (2.5% of DMI) and Vit E (20 IU in diet) + Canola oil (2.5% of DMI). Sperm was collected by electroejaculation at 6 week and 11 week after begging of experiment and sperm motility was analyzed by using CASA software. The results showed that motility parameter wasn't significant difference between whole experimental groups at first time (week 6) but PM% and TM% was significant difference in canola oil and Vit E at second time (week 11), separately. It was concluded that Vit E and canola oil improvement sperm motility in Kurdish ram.

Keywords : canola oil, motility, ram, sperm, Vit E

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