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Antibiotic feed chickens cause bacterial drug resistant or not?

Cigdem Eda Balkan, Demet Celebi and Ozgur Celebi
Ataturk University, Turkey

In our study, our target is to review the bacterial drug resistance from blood samples of chickens in different antibiotic diets. We used 4 groups of 20 chickens. Each group was put on diet for 30 days with Tetracycline (30 mg/kg), Penicillin (20 mg/kg), Sulfonamide (30 mg/kg) or Fluroquinolone (40 mg/kg) group of antibiotics. The sensitivity of *E. coli*, *Staphylococcus* spp., *Citrobacter* spp., *Klebsiella* spp., was observed in the mediums prepared from blood samples of the groups and compared with the results of previous studies. Compared with the previous sensitivity; it is observed that Trimethoprim resistance was present in *E. coli* which passage in the antibiotic feed chickens blood media. According to our results in this study, it was understood that bacterial resistance may be seen at the chickens when the chickens are feed with antibiotics due to that these antibiotics are available at their bloods.

Biography

Cigdem Eda Balkan has completed his Bachelor's degree from Hacettepe University Biology Department in 2009 and MSc and PhD Ataturk University, Turkey.

cigdemedabalkan@gmail.com

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