206 Research paper

Study on the antibiotic resistance of strains of staphylococcus aureus isolated from animals with contagious ecthyma

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In **Significant Impact Groups:**

AMU reduction strategies \ Monitoring and surveillance

Species targeted: Sheep;

Age: Not stated;

Summary:

Staphylococcus aureus is a commonly found germ and cases of antibiotic resistance encountered due to the unusual use of antibiotics are frequently recorded in this germ. The results of the antibiogram showed an increased sensitivity to the action of gentamicin (96,6%) and of quinolones (ciprofloxacin 86.6%, enrofloxacin 83.3%) and trimethoprim (80%). The increase of the penicillin resistance phenomenon, widely used in the past, has led to new generations of antibiotics in this group (semi-synthetic penicillin). Based on the sensitivity of the strains of Staphylococcus aureus isolated in 7 types of antibiotics, it was computed the MAR index (multiple antibiotic resistance index), in order to establish the risk degree represented by these types of strains for animals and humans. The values of the MAR index showed a high likelihood of the occurrence of the multiple antibiotic resistance.

Where to find the original material:

https://agmv.ro/vol-28-nr-1-2018/;

Country: RO