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## Abstract Book



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STÁTNÍ VETERINÁRNÍ ÚSTAV JIHLAVA  
STATE VETERINARY INSTITUTE JIHLAVA

POSTERS - VECTOR-BORNE AND OTHER EMERGING DISEASES

## P050 SEROPREVALENCE OF AUJESZKY DISEASE IN WILD BOARS IN VOJVODINA PROVINCE (REPUBLIC OF SERBIA)

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### INTRODUCTION:

Wild pigs are often a reservoir of Aujeszky's disease (AD) and represent a major threat for the outbreak of infection in domestic animals, especially in domestic pigs.

### MATERIALS AND METHODS:

Serological survey of Aujeszky's disease virus (ADV) in wild boars in Vojvodina Province was conducted in 5 out of 6 administrative entities (South Bačka, West Bačka, North Bačka, Srem and Middle Banat excluding North Banat). Blood sera from wild boars were collected during the hunting season 2015/2016. In total, 403 blood sera were analyzed, which accounted for 7.08% of the whole population of wild boars in five administrative units of Vojvodina Province. For the detection of specific antibodies against ADV was used commercial ELISA (*Pseudorabies Virus gpl Antibody Test Kit-IDEXX*).

### RESULTS:

The highest seroprevalence was established in South Bačka (42.00%), while the lowest seroprevalence was detected in North Bačka (6.45%). Moreover, high seroprevalence (41.13%) was also determined in West Bačka, followed by Srem and Middle Banat with 34.00% of seropositive wild boars. The highest rate of infection was observed in female animals in South Bačka (46.81%) and in male animals in West Bačka (43.18%).

### DISCUSSION AND CONCLUSIONS:

The detected overall seroprevalence in wild boars in Vojvodina Province is 36.29%. According to the sex of the animals, the average seroprevalence in male and female animals is 37.28% and 34.86%, respectively.

### REFERENCES:

Lazić S. et al.: PROPOSAL OF A PROGRAM FOR ERADICATION OF AUJESZKY'S DISEASE IN PIGS IN THE REPUBLIC OF SERBIA, XVIII Symposium of epizootologies and epidemiologists (Kraljevo, Serbia), 20.–22.april 2016, Book of Abstracts, pp 46–47.