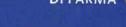


EVALUATION OF THE EFFICACY OF A VACCINE AGAINST A. pleuropneumoniae

UNIVERSITÀ **DI PARMA**



Clinical outcome, mortality and pleuritis lesions at slaughterhouse

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Introduction

Vaccination is one of the major tools for prevention and reduction of the economic losses due to porcine pleuropneumonia. This study aims at assessing the efficacy of vaccination against Actinobacillus pleuropneumoniae (A.p.) in comparison with non-vaccinated (controls).

Materials and Methods: 500 piglets belonging to a farrow-to-finish herd with a history of pleuropneumonia were divided in two groups: 250 vaccinated with COGLAPIX-Ceva Santè Animale and the control group injected with saline

Vaccinated	Control
COGLAPIX	Saline solution

The vaccine performance was evaluated by morbidity, mortality due to A.p. infection based on microbiological findings, lung scoring at slaughterhouse and the return on investment (ROI).

Results

RETURN ON INVESTMENT= ROI

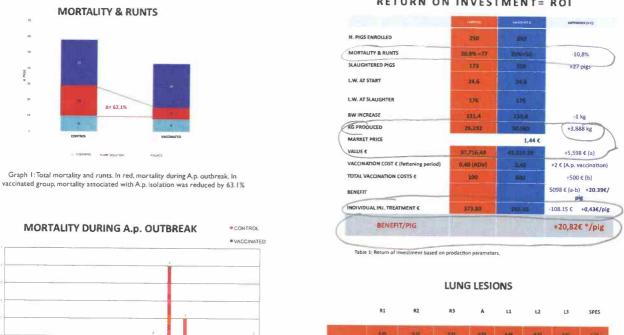


Table 2: Lungs of vaccinated plgs shown significantly (Kruskal-Wallis chi-squared without ties = 14,709 with 1 d.f. p Graph 2: mortality during A.p. outbreak

Discussion and conclusions

Vaccination against Pleuropneumonia reduces mortality, morbidity and related costs. The evaluation of the return on investment (ROI) is the better parameter to evaluate the performance of a treatment

