

Occurrence of *Brachyspira (B.) hyodysenteriae* and *B. pilosicoli* in nucleus and multiplication herds and selected case farms in Switzerland

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Key words

Brachyspira, swine dysentery, intestinal spirochetosis, nucleus herd, PCR, Switzerland

Aim of the study

Brachyspira sp. was previously found in a few Swiss growing and finishing units with diarrhea. The objective of this study was to establish the occurrence of *B. hyodysenteriae* and *B. pilosicoli* in Swiss nucleus herds.

Material and methods

1399 rectal swabs of weaners, growers and finishers from 40 nucleus pig herds were analysed of *B. hyodysenteriae* and *B. pilosicoli* with PCR.

Results and significance

B. hyodysenteriae was detected in 9 of 36 swabs (25%) from one nucleus herd. *B. pilosicoli* was detected in 9 of 34 swabs (26.5%) from another nucleus herd. This results were confirmed by culture in a second examination.

Publications, posters and presentations

- Sicken S. (2011) Vorkommen von *Brachyspira hyodysenteriae* bei Schweinen auf Schweizer Remontierungsbetrieben und ausgewählten Fallbetrieben. Dissertation , Vet. Med. Fakultät, Universität Bern
- Rossbroich, D. (2011) Vorkommen von *Brachyspira pilosicoli* in Remontierungsbetrieben unter Berücksichtigung potentieller Risikofaktoren in der Schweiz. Dissertation , Vet. Med. Fakultät, Universität Bern
- Sicken, S.; Scheer, P.; Zimmermann, W.; Zeeh, F. (2012) Brachyspiren in der Schweiz – wenn Durchfall zum Problem wird. Klautierpraxis 20; 27-30.

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