

# Entendendo as abordagens de eliminação de *Mycoplasma hyopneumoniae*

Autores: Alyssa Betlach e Maria Pieters

## Referências

- Baekbo, P. 1999. Procedures to eliminate M hyo and produce M hyo free pigs: an update. Proceedings from American Association of Swine Practitioners, St. Louis, MO. 470-481.
- Barcelo, J., Oliva, J.E., Marinez, J., Muonoz, A. 2001. Multiple erradication (PRRS, *Mycoplasma* and APP) without sow deopopulation in a large farm. Proc ISSDE.
- Boonsoongnarn, A., Jirawattanapong, P., Lertwatcharasarakul, P. 2012. The prevalence of *Mycoplasma hyopneumoniae* in commercial suckling pigs in Thailand. World Journal of Vaccine. 2, 161-163.
- Calsamiglia, M., Collins, J.E., Pijoan, C. 2000. Correlation between the presence of enzootic pneumonia lesions and detection of *Mycoplasma hyopneumoniae* in bronchial swabs by PCR. Vet Microbiol. 76, 299-303.
- Fano, E., Pijoan, C., Dee, S., Deen, S. 2007. Effect of *Mycoplasma hyopneumoniae* colonization at weaning on disease severity in growing pigs. Can Vet J Res. 71, 195-200.
- Garcia-Morante, B., Segalés, J., Serrano, E., Sibila, M. 2017. Determinants of swine mycoplasmal pneumonia reproduction under experimental conditions: A systematic review and recursive partitioning analysis. PLoS One. 12(7), 1-16.
- Garza-Moreno, L., Segales, J., Pieters, M., Romagosa, A., Sibila, M. 2018. Acclimation strategies in gilts to control *Mycoplasma hyopneumoniae* infection. Vet Microbiol. 219, 23-29.
- Gillespie, T. 2013. Mycoplasma infection costs in a naïve population. Proc Allen D. Leman Swine Conference. Saint Paul, Minnesota, USA. p 51.
- Goodwin, R.F., Pomeroy, A.P., Whittlestone, P. 1965. Production of enzootic pneumonia in pigs with mycoplasma. Vet Rec. 77, 1247-1249.
- Haden, C.D., Painter, T., Fangman, T., Holtkamp, D. 2012. Assessing production parameters and economic impact of swine influenza, PRRS, and *Mycoplasma hyopneumoniae* on finishing pigs in a large production system. Proc AASV. Denver, Colorado, USA. p 75-76.
- Holst, S., Yeske, P., Pieters, M. 2015. Elimination of *Mycoplasma hyopneumoniae* from breed-to-wean farms: A review of current protocols with emphasis on herd closure and medication. J Swine Health Prod. 23(6), 321-330.
- Maré, C.J., Switzer, W.P. 1965. New species: *Mycoplasma hyopneumoniae*: a causative agent of virus pig pneumonia. Vet Med Small Anim Clin. 60, 841-846.
- Meyns, T., Maes, D., Dewulf, J., Vicca, J., Haesebrouck, F., de Kruif A. 2004. Quantification of the spread of *Mycoplasma hyopneumoniae* in nursery prigs using transmission experiments. Prev Vet Med. 66(1-4), 265-275.
- Nathues, H., Woeste, H., Doehring, S., Fahrion, A.S., Doherr, M.G., grosse Beilage, E. 2013. Herd specific risk factors for *Mycoplasma hyopneumoniae* infectious in suckling pigs at the age of weaning. Acta Vet Scand. 55, 30.
- Pieters, M., Pijoan, C., Fano, E., Dee, S. 2009. An assessment of the duration of *Mycoplasma hyopneumoniae* infection in an experimentally infected population of pigs. Vet Microbiol. 134, 261-266.
- Pieters, M., Cline, G.S., Payne, B.J., Prado, C., Ertl, J.R., Rendahl, A.K. 2014. Intra-farm risk factors for *Mycoplasma hyopneumoniae* colonization at weaning age. Vet Microbiol. 172, 575-580.
- Pieters, M.G., Maes, D. 2019. Mycoplasmosis. In: Zimmerman, J.J., Karriker, L.A., Ramirez, A., Schwartz, K.J., Stevenson, G.W., Zhang, J. (Eds), Diseases of Swine, 11th Ed., John Wiley & Sons Inc, New Jersey, USA, p. 863-883.
- Roos, L.R., Fano, E., Homwong, N., Payne, B., Pieters, M. 2016. A model to investigate the optimal seeder-to-naïve ratio for successful natural *Mycoplasma hyopneumoniae* gilt exposure prior to entering the breeding herd. Vet Microbiol. 184, 51-58.
- Schwartz, M. 2015. Cost of *Mycoplasma hyopneumoniae* in growing pigs. Proc Allen D. Leman Conference. Saint Paul, Minnesota, USA.

- Sibila, M., Nofrarías, M., López-Soria, S., Segalés, J., Valero, O., Espinal, A., Calsamiglia, M. 2007. Chronological study of *Mycoplasma hyopneumoniae* infection, seroconversion and associated lung lesions in vaccinated and non-vaccinated pigs. *Vet Microbiol.* 122,97-107.
- Silva, G.S., Yeske, P., Morrison, R.B., Linhares, D.C.L. 2019. Benefit-cost analysis to estimate the payback time and the economic value of two *Mycoplasma hyopneumoniae* elimination methods in breeding herds. *Prev Vet Med.* 168,95-102.
- Stark, K.D., Miserez, R., Sigemann, S., Ochs, H., Infanger, P., Schmidt, J. 2007. A successful national control programme for enzootic respiratory diseases in pigs in Switzerland. *Rev Sci Tech.* 26,595-606.
- Villarreal, I., Maes, D., Vranckx, K., Calus, D., Pasmans, F., Haesebrouck, F. 2011. Effect of vaccination of pigs against experimental infection with high and low virulence *Mycoplasma hyopneumoniae* strains. *Vaccine.* 29(9), 1731-1735.
- Whittlestone, P. 1990. Control of enzootic pneumonia infection in pigs. *Zentralblatt (Suppl)* 20. Gustav Fisher Verlag, Stuttgart, NY. 254-259.
- Yeske, P. 2017. Assessment of the likelihood of *Mycoplasma hyopneumoniae* lateral transmission. *Proc Allen D. Leman Conference.* Saint Paul, Minnesota, USA.
- Yeske, P., Valeris-Chacin, R., Singer, R.S., Pieters, M. 2020. Survival analysis of two *Mycoplasma hyopneumoniae* eradication methods. *Prev Vet Med.* 174.
- Zimmerman, W., Odermatt, W., Tschudi, P. 1989. Enzootische Pneumonie (EP): die Teilsanierung EP-reinfizierter schweinezuchtbetriebe als alternative zur totalsanierung. *Schweiz Arch Tierheilkd.* 131,179-191.