

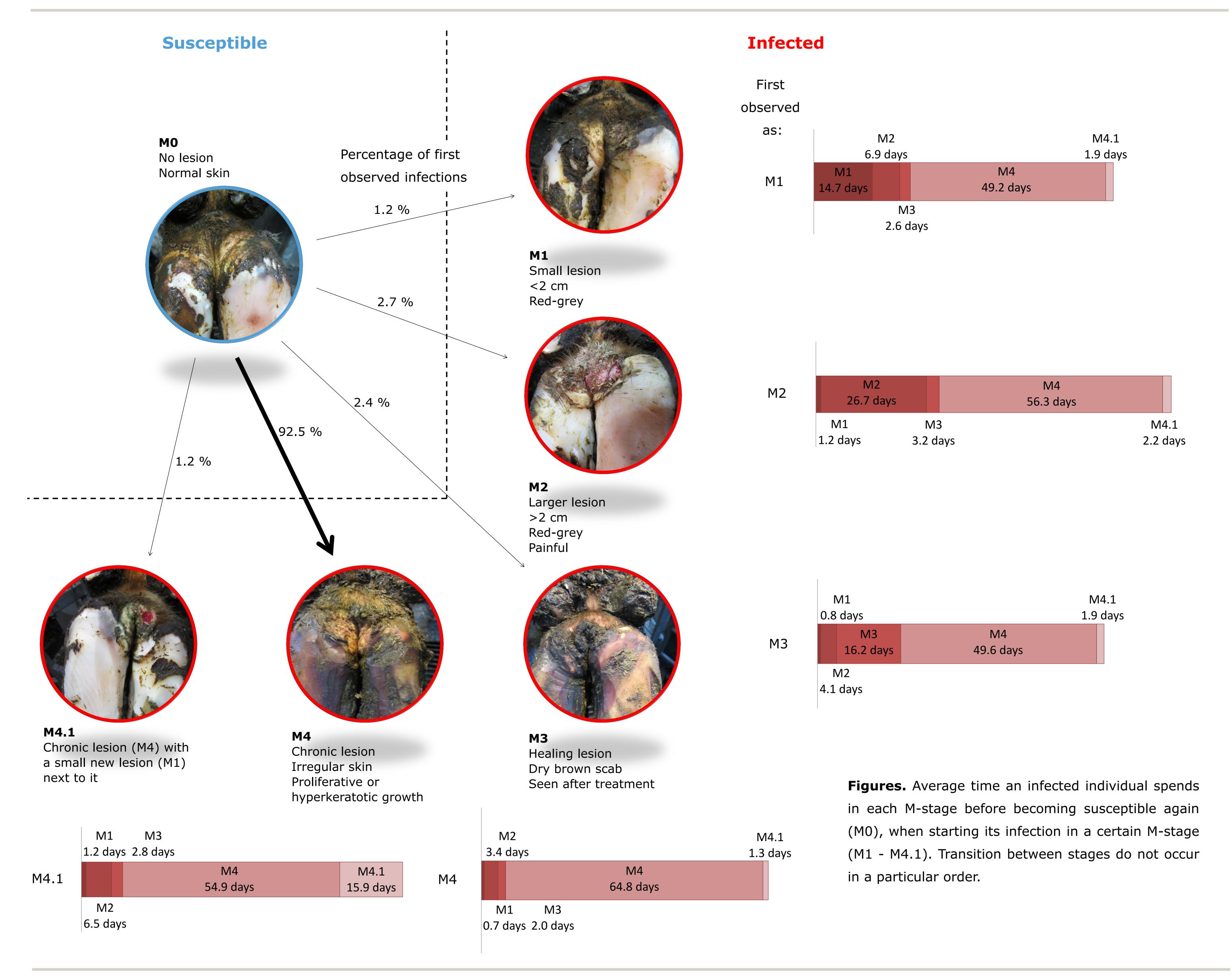
Digital Dermatitis in dairy cattle: how infectious is it?

Floor Biemans^{1,2}, Piter Bijma², Mart C.M. de Jong¹

¹Quantitative Veterinary Epidemiology Group, Wageningen University, ²Animal Breeding and Genomics Centre, Wageningen University

Background

Digital Dermatitis (DD) is an infectious claw disease causing ulcerative lesions mainly on the hind claws of dairy cattle. Red round ulcers can be seen above the interdigital space next to the heel bulbs. DD can be painful and is associated with lameness. DD lesions can be classified into different M-stages (M0 – M4.1) (Döpfer et al., 1997). The M0-stage is the susceptible stage, all other stages are infectious.



Conclusions

92.5% of the DD infections is first observed as a chronic lesion (M4), the remaining 7.5% of the DD infections is first observed as another lesion (M1, M2, M3 or M4.1). These lesion will become an M4-lesion as well and stay M4 for a relatively long time. So, infected animals have an M4lesion the majority of the time. During the whole period that animals are infected, they are infectious to other animals in the group. Since M4lesions are predominant during this infectious period, regardless of the first observed lesion, focus should be on this lesion stage when lowering DD prevalence.

Contact

Reference

Acknowledgments

This work was financially supported by the Dutch science council