Effects of breed and production system on lameness parameters in dairy cattle. By Baird et al., page 2174. Hoof health and locomotion scores were recorded in Holstein-Friesian (HF) and Norwegian (N) dairy cattle maintained in three production systems (high or low level of concentrate and grass-based). The HF cows had worse claw lesion scores than N, but better locomotion scores. Cows on the grass-based treatment had worse sole lesion scores compared with the high- and low-concentrate treatments. Digital dermatitis was associated with worse sole lesion scores and interacted with production system to influence white line and heel erosion scores. Genetic, environmental, and infectious factors are associated with hoof pathologies in dairy cows.