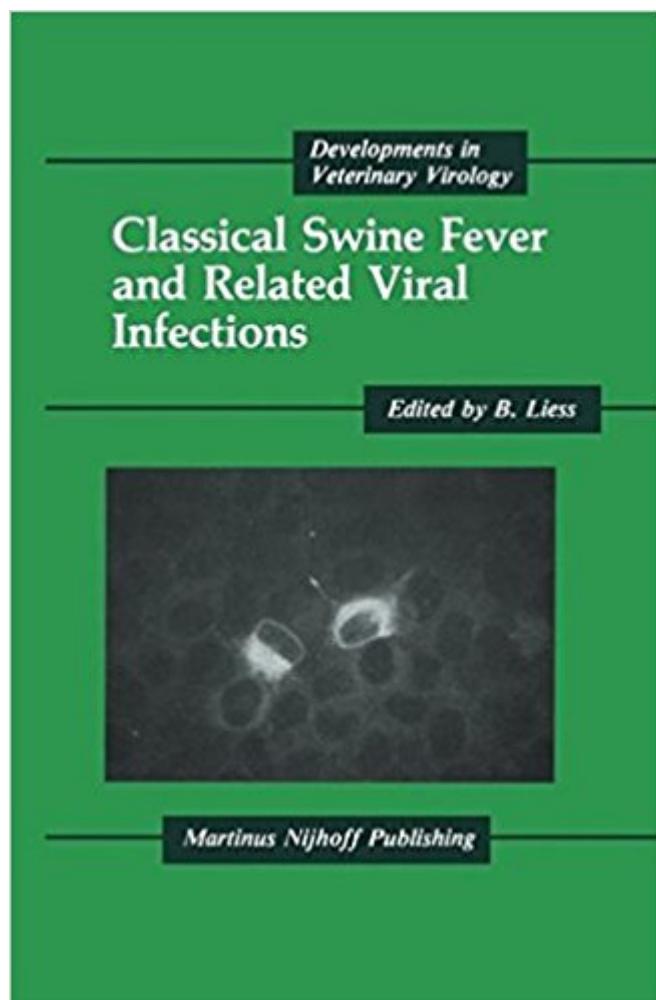


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Classical Swine Fever And Related Viral Infections (Developments In Veterinary Virology)



Synopsis

The history of research on hog cholera (HC)/classical swine fever (CSF) can be roughly divided into three phases which are characterized by the methods available at the time for demonstrating the causative agent. Phase I covered the period before the viral etiology of HC was discovered by de Schweinitz and Dorset (1904)*. Thereafter (Phase II) the detection of HC virus (HCV) was accomplished by laborious, time-consuming and costly pig inoculation experiments. This explains the extensive search for methods not only for detection but also for accurate infectivity titration as well as for applicable serological techniques to solve urgent problems concerning the pathogenesis, diagnosis, epidemiology and prophylaxis of HC. It was not before the late fifties that HC research entered Phase III when fluorescent antibody techniques offered not only the means for detection and titration of HCV in porcine cell cultures but also for more intensive research on hog cholera and its virus. And yet, there are a number of questions to be answered, e. g. on the genetic and antigenic relation of HCV to bovine viral diarrhea (BVD) virus. There are indications that Phase IV of HC research will bear the stamp of biotechnology. In view of this development it appears appropriate to give an up-dating and summarizing account of HC/CSF including comparative aspects of infections caused by structurally related viruses. The edition of the present volume would have been impossible without the cooperation of several known scientists who instantly agreed when asked for contribution.

Book Information

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"All those concerned with the diagnosis, research or control of classical swine fever/hog cholera should study this book, and will undoubtedly come to regard it as an essential work of reference." (S. Edwards in Tropical Animal Health and Production, 21,1989)

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