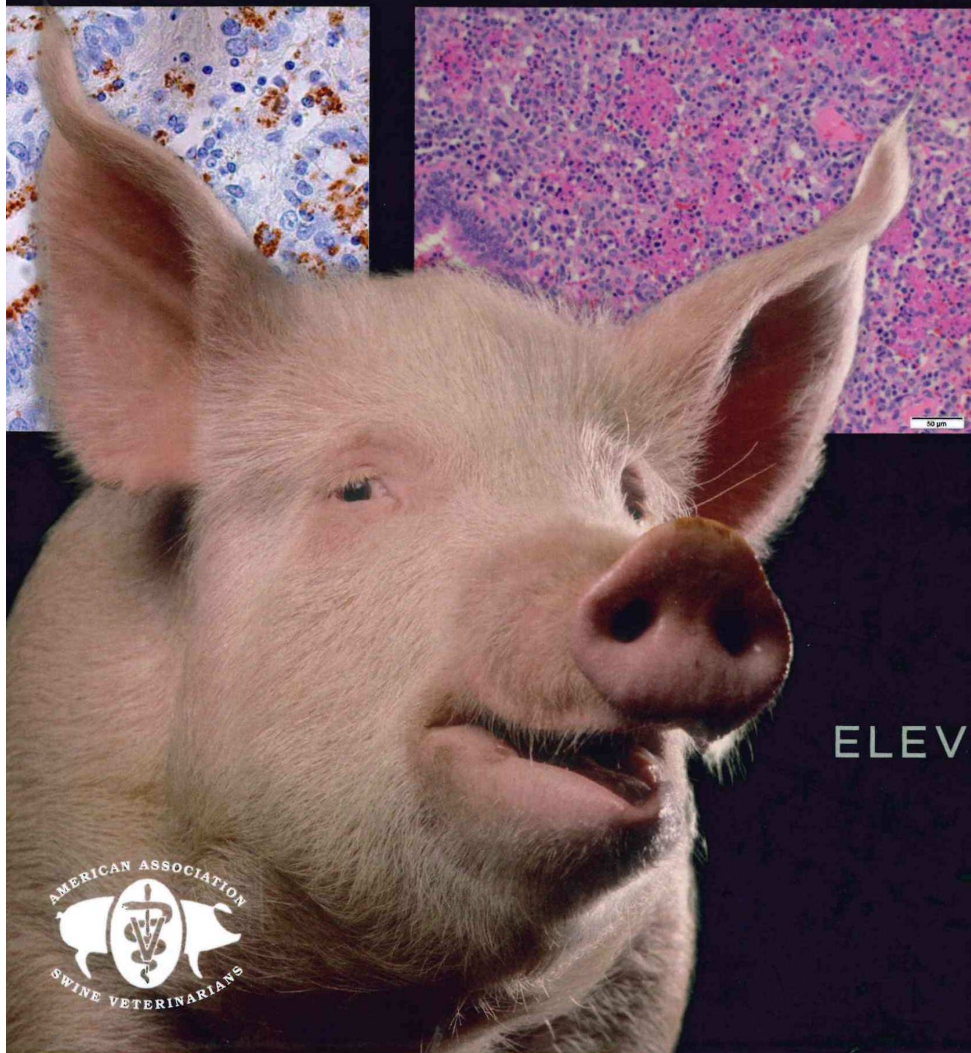
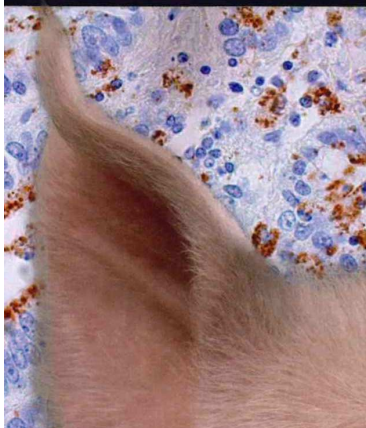
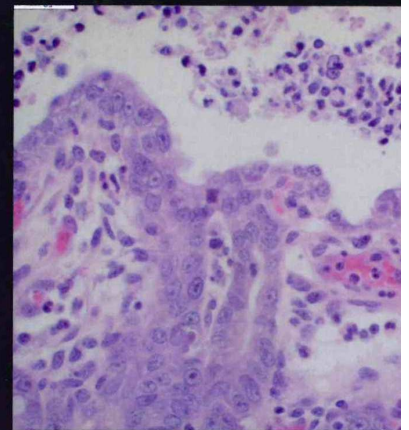
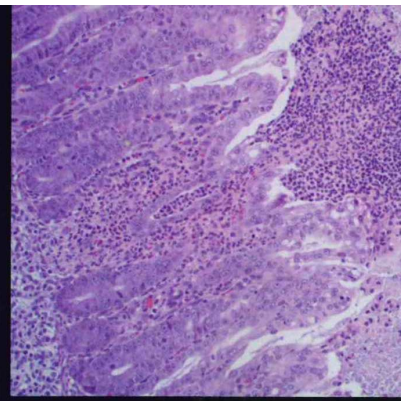


DISEASES OF SWINE

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Edited By

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Editors' Note

Dr. Howard Dunne and Iowa State University Press released the first edition of *Diseases of Swine* in 1958. Our goal for the 11th edition is to provide swine health specialists the knowledge needed for effective responses to pig diseases on farms and at local, regional, and global levels. In this we have endeavored to follow the standards of excellence initially established by Dr. Dunne.

As a sojourner of a slower time, Dr. Dunne could not have foreseen either the extent or the accelerated pace at which innovations in engineering, genetics, management, molecular biology, and nutrition have revolutionized pig production. Biologically, economically, and ecologically, the successful application of new technologies to pig production has produced unprecedented advances that benefit society and provide healthful, wholesome pork products to the consumer.

Successes in disease control and pig health assurance are to be celebrated but tempered with the reality that control (much less elimination) of both emerging and historic swine health adversaries has faltered. Endemic viral and bacterial pathogens remain a pernicious burden on pig health. More sobering, the interconnectivity

and interdependence of the contemporary world have accelerated the speed and inevitability with which emergent pathogens are dispersed to distant locations. Despite the considerable efforts of the animal health community, African swine fever virus, classical swine fever virus, foot-and-mouth disease virus, porcine circoviruses, porcine coronaviruses, porcine reproductive and respiratory syndrome viruses, and other major pathogens circulate widely in many parts of the world and threaten those that remain free.

Ideally, recognition of our shared vulnerabilities should spur the search for more effective solutions to animal and public health disease threats: there is much to be learned and applied. Thus, we respectfully dedicate this edition of *Diseases of Swine* to our readership as a tool in their search for solutions to swine and public health challenges.

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