

## 8. Literatur

- Ahrens, U., Kaden, V., Drexler, C. und Visser, N.** 2000. Efficacy of the classical swine fever (CSF) marker vaccine Porcilis Pesti in pregnant sows. *Vet.Microbiol.*, **77**, 83-97.
- Aoki, H., Ishikawa, K., Sakoda, Y., Sekiguchi, H., Kodama, M., Suzuki, S. und Fukusho, A.** 2001. Characterization of classical swine fever virus associated with defective interfering particles containing a cytopathogenic subgenomic RNA isolated from wild boar. *J.Vet.Med.Sci.*, **63**, 751-758.
- Artois, M., Depner, K.R., Guberti, V., Hars, J., Rossi, S. und Rutili, D.** 2002. Classical swine fever (hog cholera) in wild boar in Europe. *Rev.Sci.Tech.*, **21**, 287-303.
- Aynaud, J.** 1968. Etudes de la multiplication in vitro d'un vitro clone du virus de la peste porcine. *Ann.Rech.Vet.*, **1**, 25-36.
- Aynaud, J.** 1969. Relations entre la cinétique de développement in vitro du virus de la peste porcine et le pouvoir pathogène pour le porc. *Bull.Off.int.Epiz.*, **72**, 575-588.
- Aynaud, J., Corthier, G., Laude, H., Galicher, C. und Gelfi, J.** 1976. Sub-clinical swine fever: a survey of neutralizing antibodies in the sera of pigs from herds having reproductive failures. *Ann.Rech.Vet.*, **7**, 57-64.
- Aynaud, J., Galicher, A.C., Lombard, J., Bibard, C. und Mierzejewska, M.** 1972. Peste porcine classique: Les facteurs d'identification in vitro (marqueurs génétiques) du virus en relation avec le pouvoir pathogène pour le porc. *Ann.Rech.Vet.*, **2**, 209-235.
- Baker, J.A. und Sheffy, B.E.** 1960. A persistent hog cholera viraemia in young pigs. *Proc.Soc.Exp.Biol.Med.*, **105**, 675-678.
- Beindorf, K., Bennöhr, K. und Heyne, H.** 1997. Schweinepestbekämpfung in Mecklenburg-Vorpommern - Jäger als Partner. *Wild und Hund*, **21**, 28-32.
- Bensaude, E., Turner, J.L., Wakeley, P.R., Sweetman, D.A., Pardieu, C., Drew, T.W., Wileman, T. und Powell, P.P.** 2004. Classical swine fever virus induces proinflammatory cytokines and tissue factor expression and inhibits apoptosis and interferon synthesis during the establishment of long-term infection of porcine vascular endothelial cells. *J.Gen.Viro.*, **85**, 1029-1037.
- Beynon, A.G.** 1962. Swine fever in Great Britain. *Bull.Off.int.Epiz.*, **57**, 1461-1487.
- Bjorklund, H., Stadejek, T., Vilcek, S. und Belak, S.** 1998. Molecular characterization of the 3' noncoding region of classical swine fever virus vaccine strains. *Virus Genes*, **16**, 307-312.
- Bley, F.** 1925. Fünfzig Jahre deutscher Jagd. Erinnerungsschrift des Allgemeinen Deutschen Jagdschutzvereins. Verlag des Allgemeinen Deutschen Jagdschutzvereins Berlin.
- Boye, M., Kamstrup, S. und Dalsgaard, K.** 1991. Specific sequence amplification of bovine virus diarrhea virus (BVDV) and hog cholera virus and sequencing of BVDV nucleic acid. *Vet.Microbiol.*, **29**, 1-13.

- Brugh, M., Foster, J.W. und Hayes, F.A.** 1964. Studies on the comparative sensibility of wild european and domestic swine to hog cholera. Am.J.Vet.Res., **25**, 1124-1127.
- Bruschke, C.J., Hulst, M.M., Moormann, R.J., van Rijn, P.A. und van Oirschot, J.T.** 1997. Glycoprotein Erns of pestiviruses induces apoptosis in lymphocytes of several species. J.Virol., **71**, 6692-6696.
- Bundesministerium für Ernährung, Landwirtschaft u.Verbraucherschutz** 2006. Situation der Klassischen Schweinepest bei Hausschweinen in der Bundesrepublik Deutschland. Bericht des BMELV.
- Bunzenthal, C.** 2003. Bestimmung der Virulenz von Virusisolaten der Klassischen Schweinepest. Dissertation. Tierärztliche Hochschule Hannover.
- Carbrey, E.A., Stewart, W.C., Kresse, J.I. und Snyder, M.L.** 1966. The changing picture of hog cholera - case studies. J.Am.Vet.Med.Assoc., **149**, 1720-1724.
- Carbrey, E.A., Stewart, W.C., Kresse, J.I. und Snyder, M.L.** 1980. Persistent hog cholera infection detected during virulence typing of 135 field isolates. Am.J.Vet.Res., **41**, 946-949.
- Cheville, N.F. und Mengeling, W.L.** 1969. The pathogenesis of chronic hog cholera (swine fever). Histologic, immunofluorescent, and electron microscopic studies. Lab.Invest., **20**, 261-274.
- Collett, M.S., Larson, R., Belzer, S.K. und Retzel, E.** 1988. Proteins encoded by bovine viral diarrhea virus: the genomic organization of a pestivirus. Virology, **165**, 200-208.
- Corthier, G., Aynaud, J., Galicher, A.C. und Gelfi, J.** 1974. Activité antigenique comparée de deux togavirus: le virus de la peste porcine et le virus de la maladie des muqueuses. Ann.Rech.Vet., **5**, 373-393.
- Cruciere, C., Burger, C. und Gonzague, M.** 1998. Laboratory investigations of the massive Vosgien CSF wild boar outbreak. In: Measures to control classical swine fever in the European wild boar. Perugia, Italy, 6-7 April 1998, European Commission, doc. VI/7196/98, 93-97.
- Dahle, J. und Liess, B.** 1992. A review on classical swine fever infections in pigs: epizootiology, clinical disease and pathology. Comp.Immunol.Microbiol.Infect.Dis., **15**, 203-211.
- Dahle, J. und Liess, B.** 1995. Comparative study with cloned classical swine fever virus strains Alfort and Glentorf: clinical, pathological, virological and serological findings in weaner pigs. Wien.Tierärztl.Mschr., **82**, 232-238.
- Dahle, J., Patzelt, T., Schagemann, G. und Liess, B.** 1993. Antibody prevalence of hog cholera, bovine viral diarrhoea and Aujeszky's disease virus in wild boars in northern Germany. Dtsch.Tierärztl.Wochenschr., **100**, 330-333.
- Danner, K. und Bachmann, P.A.** 1970. Vermehrung und Ausbreitung von Schweinepest-Virus, Stamm München-1, in PK 15-Zellkulturen. Zbl.Vet.Med.B, **17**, 353-362.
- Darbyshire, J.H.** 1960. Serological relationship between swine fever and mucosal disease of cattle. Veterinary Records, **72**, 331.

- de Arce, H.D., Ganges, L., Barrera, M., Naranjo, D., Sobrino, F., Frias, M.T. und Nunez, J.I.** 2005. Origin and evolution of viruses causing classical swine fever in Cuba. *Virus Res.*, **112**, 123-131.
- de Mia, G.M. und Sacchi, C.** 1998. CSF epidemic in the Province of Varese. In: Measures to control classical swine fever in the European wild boar. Perugia, Italy, 6-7 April 1998, European Commission, doc. VI/7196/98, 89-90.
- Depner, K.R., Gruber, A. und Liess, B.** 1994. Experimental infection of weaner pigs with a field isolate of hog cholera/classical swine fever virus derived from a recent outbreak in Lower Saxony. I. Clinical, virological and serological findings. *Wien.Tierärztl.Mschr.*, **81**, 370-373.
- Depner, K.R., Hinrichs, U., Bickhardt, K., Greiser-Wilke, I., Pohlenz, J., Moennig, V. und Liess, B.** 1997a. Influence of breed-related factors on the course of classical swine fever virus infection. *Vet.Rec.*, **140**, 506-507.
- Depner, K.R., Kern, B. und Liess, B.** 1998. Epidemiologische Relevanz der Persistenz von KSP-Virus beim Schwarzwild. *Amtstierärztlicher Dienst und Lebensmittelkontrolle*, **5**, 244-248.
- Depner, K.R., Moennig, V. und Liess, B.** 1997b. Aktuelle Fragen zur Klassischen Schweinepest beim Wildschwein. *Amtstierärztlicher Dienst und Lebensmittelkontrolle*, **4**, 44-47.
- Depner, K.R., Moennig, V. und Liess, B.** 1997c. Epidemiologische Aspekte der Infektionsbiologie der klassischen Schweinepest. *Prakt.Tierarzt*, **27**, 63-67.
- Depner, K.R., Müller, A., Gruber, A., Rodriguez, A., Bickhardt, K. und Liess, B.** 1995. Classical swine fever in wild boar (*Sus scrofa*)-experimental infections and viral persistence. *Dtsch.Tierärztl.Wochenschr.*, **102**, 381-384.
- Depner, K.R., Müller, T., Lange, E., Staubach, C. und Teuffert, J.** 2000. Transient classical swine fever virus infection in wild boar piglets partially protected by maternal antibodies. *Dtsch.Tierärztl.Wochenschr.*, **107**, 66-68.
- Depner, K.R., Rodriguez, A., Pohlenz, J. und Liess, B.** 1996. Persistent classical swine fever virus infection in pigs infected after weaning with a virus isolated during the 1995 epidemic in Germany: Clinical, virological, serological and pathological findings. *European Journal of Veterinary Pathology*, **2**, 61-66.
- Dunne, H.W.** 1970. Hog Cholera. In: Diseases of Swine. (ed Dunne,H.W.), pp. 177-239. Iowa State University Press.
- Dunne, H.W.** 1973. Hog cholera (European swine fever). *Adv.Vet.Sci.Comp.Med.*, **17**, 315-359.
- Dunne, H.W., Hokanson, J.F. und Leudke, A.J.** 1959. The pathogenesis of hog cholera.I.Route of the entrance of the virus into the animal body. *Am.J.Vet.Res.*, **20**, 615-618.
- Dunne, H.W., Reich, C.V., Hokanson, J.F. und Lindström, E.S.** 1955. Variations in the virus of hog cholera. In: Proc.Book AVMA. 148-153.

- Edwards, S., Moennig, V. und Wensvoort, G.** 1991. The development of an international reference panel of monoclonal antibodies for the differentiation of hog cholera virus from other pestiviruses. *Vet.Microbiol.*, **29**, 101-108.
- Edwards, S., Sands, J.J. und Harkness, J.W.** 1988. The application of monoclonal antibody panels to characterize pestivirus isolates from ruminants in Great Britain. *Arch.Virologie*, **102**, 197-206.
- Ehrenspurger, F.** 1988. Zur Immunpathogenese diaplazentarer und perinataler Infektionen mit dem Virus der Europäischen Schweinepest (ESP). Habilitationsschrift. Universität Zürich.
- Elber, A.R., Stegeman, A., Moser, H., Ekker, H.M., Smak, J.A. und Pluimers, F.H.** 1999. The classical swine fever epidemic 1997-1998 in The Netherlands: descriptive epidemiology. *Prev.Vet.Med.*, **42**, 157-184.
- Elbers, K., Tautz, N., Becher, P., Stoll, D., Rümenapf, T. und Thiel, H.J.** 1996. Processing in the pestivirus E2-NS2 region: identification of proteins p7 and E2p7. *J.Virology*, **70**, 4131-4135.
- Enzmann, P.J. und Weiland, F.** 1978. Structural similarities of hog cholera virus with togaviruses. *Arch.Virologie*, **57**, 339-348.
- Feldmann, U.** 1979. Wachstumskinetik, Mathematische Modelle und Methoden zur Analyse altersabhängiger populationskinetischer Prozesse. Springer Verlag, Berlin, Heidelberg, New York.
- Ferrari, G., Guidoni, M., Amaddeo, D., Autorino, G.L. und Forletta, R.** 1998. Epidemiology of CSF in wild boars in Tuscany. In: Measures to control classical swine fever in the European wild boar. Perugia, Italy, 6-7 April 1998, European Commission, doc. VI/7196/98, 62-66.
- Fischer, S.** 2001. Replikation des Virus der Klassischen Schweinepest in verschiedenen permanenten porzinen Zelllinien. Dissertation. Tierärztliche Hochschule Hannover.
- Fischer, U.** 1992. Vergleichende morphologische und immunmorphologische Untersuchungen zur Pathogenese der Schweinepest bei Infektionen mit hoch-, schwach- und avirulenten Virusstämmen. Dissertation. Universität Leipzig.
- Floegel-Niesmann, G., Bunzental, C., Fischer, S. und Moennig, V.** 2003. Virulence of recent and former classical swine fever virus isolates evaluated by their clinical and pathological signs. *J.Vet.Med.B*, **50**, 214-220.
- Frey, H.R., Liess, B., Richter-Reichhelm, H.B., von Benten, K. und Trautwein, G.** 1980. Experimental transplacental transmission of hog cholera virus in pigs. I. Virological and serological studies. *Zentralbl.Veterinarmed.B*, **27**, 154-164.
- Fritzemeier, J., Moennig, V., Staubach, C., Teuffert, J., Thulke, H.-H. und Schlüter, H.** 1998. Investigations into occurrence, spread and control of classical swine fever in Germany 1993-1995. In: Final report on research project 96HSO22. Commission decision 96/553/EC. Commission European Community, VI/6311/98-EN.

- Fritzemeier, J., Teuffert, J., Greiser-Wilke, I., Staubach, C., Schlüter, H. und Moennig, V.** 2000. Epidemiology of classical swine fever in Germany in the 1990s. *Vet.Microbiol.*, **77**, 29-41.
- Fuchs, F.** 1968. Schweinepest. In: *Handbuch der Virusinfektionen bei Tieren*, Vol. III/1. (ed Röhrer,H.), pp. 15-250. Gustav Fischer Verlag Jena.
- Geisser, H. und Bürgin, T.** 1998. Das Wildschwein. Verlag Disertina.
- Gillespie, J.H., Sheffy, B.E. und Baker, J.A.** 1960. Propagation of hog cholera virus in tissue culture. *Proc.Soc.Exp.Biol.Med.*, **105**, 679-681.
- Gisler, A.C., Nardi, N.B., Nonnig, R.B., Oliveira, L.G. und Roehe, P.M.** 1999. Classical swine fever virus in plasma and peripheral blood mononuclear cells of acutely infected swine. *Zentralbl.Veterinarmed.B.*, **46**, 585-593.
- Gomez-Villamandos, J.C., Ruiz-Villamor, E., Bautista, M.J., Sanchez, C.P., Sanchez-Cordon, P.J., Salguero, F.J. und Jover, A.** 2001. Morphological and immunohistochemical changes in splenic macrophages of pigs infected with classical swine fever. *J.Comp.Pathol.*, **125**, 98-109.
- Greiser-Wilke, I.** 1997. Molecular characterization of recent European CSFV isolates. In: Report on Annual Meeting of National Swine Fever Laboratories. Vienna, Austria, 16-17 June 1997.
- Greiser-Wilke, I., Moennig, V., Coulibaly, C.O., Dahle, J., Leder, L. und Liess, B.** 1990. Identification of conserved epitopes on a hog cholera virus protein. *Arch.Virol.*, **111**, 213-225.
- Gruber, A., Depner, K.R. und Liess, B.** 1995. Experimental infection of weaner pigs with a field isolate of hog cholera/classical swine fever virus derived from a recent outbreak in Lower Saxony. II. Pathological findings. *Wien.Tierärztl.Mschr.*, **82**, 179-184.
- Haas, L.** 1997. Molecular epidemiology of animal virus diseases. *Zentralbl.Veterinarmed.B.*, **44**, 257-272.
- Hafez, S.M. und Liess, B.** 1972. Studies on bovine viral diarrhea-mucosal disease virus. I. Cultural behaviour and antigenic relationship of some strains. *Acta Virol.*, **16**, 388-398.
- Handel, K., Kehler, H., Hills, K. und Pasick, J.** 2004. Comparison of reverse transcriptase-polymerase chain reaction, virus isolation, and immunoperoxidase assays for detecting pigs infected with low, moderate, and high virulent strains of classical swine fever virus. *J.Vet.Diagn.Invest.*, **16**, 132-138.
- Hanson, R.P.** 1957. Origin of hog cholera. *J.Am.Vet.Med.Assoc.*, **131**, 211-218.
- Harada, T., Tautz, N. und Thiel, H.J.** 2000. E2-p7 region of the bovine viral diarrhea virus polyprotein: processing and functional studies. *J.Virol.*, **74**, 9498-9506.
- Heimann, M., Roman-Sosa, G., Martoglio, B., Thiel, H.J. und Rümenapf, T.** 2006. Core protein of pestiviruses is processed at the C terminus by signal peptide peptidase. *J.Virol.*, **80**, 1915-1921.

**Heyne, H. und Kiupel, H.** 1997. Verlauf und aktuelle Situation der Klassischen Schweinepest beim Schwarzwild in Mecklenburg-Vorpommern von 1993 bis 1997. In: Bekämpfung der KSP beim Schwarzwild: 2. Riemser Meeting zur oralen Immunisierung gegen KSP. Insel Riems, 25.-26. Juni 1997, 9-12.

**Hofmann, M.A. und Bossy, S.** 1998. Klassische Schweinepest 1993 in der Schweiz: Molekular-epidemiologische Charakterisierung der Virusisolale. Schweizer Archiv für Tierheilkunde, **140**, 365-370.

**Hofmann, M.A., Brechthuyl, K. und Stauber, N.** 1994. Rapid characterization of new pestivirus strains by direct sequencing of PCR-amplified cDNA from the 5' noncoding region. Arch.Viro., **139**, 217-229.

**Hofmann, M.A., Thür, B., Vanzetti, T., Schleiss, W., Schmidt, J. und Griot, C.** 1999. Klassische Schweinepest beim Wildschwein in der Schweiz. Schweizer Archiv für Tierheilkunde, **141**, 185-190.

**Horzinek, M., Maess, J. und Laufs, R.** 1971. Studies on the substructure of togaviruses. II. Analysis of equine arteritis, rubella, bovine viral diarrhea, and hog cholera viruses. Arch.Gesamte Virusforsch., **33**, 306-318.

**Horzinek, M., Reczko, E. und Petzoldt, K.** 1967. On the morphology of hog cholera virus. Arch.Gesamte Virusforsch., **21**, 475-478.

**Huck, R.A. und Aston, F.W.** 1964. The carrier sow in swine fever. Vet.Rec., **76**, 1151-1154.

**Hulst, M.M., Himes, G., Newbigin, E. und Moormann, R.J.** 1994. Glycoprotein E2 of classical swine fever virus: expression in insect cells and identification as a ribonuclease. Virology, **200**, 558-565.

**Hulst, M.M. und Moormann, R.J.** 1997. Inhibition of pestivirus infection in cell culture by envelope proteins E<sup>rns</sup> and E2 of classical swine fever virus: E<sup>rns</sup> and E2 interact with different receptors. J.Gen.Viro., **78 ( Pt 11)**, 2779-2787.

**Hulst, M.M., Panoto, F.E., Hoekman, A., van Gennip, H.G. und Moormann, R.J.** 1998. Inactivation of the RNase activity of glycoprotein E<sup>rns</sup> of classical swine fever virus results in a cytopathogenic virus. J.Viro., **72**, 151-157.

**Hulst, M.M., Westra, D.F., Wensvoort, G. und Moormann, R.J.** 1993. Glycoprotein E1 of hog cholera virus expressed in insect cells protects swine from hog cholera. J.Viro., **67**, 5435-5442.

**Hutter, K.** 1953. Erfahrungen über die Übertragung der Schweinepest vom Wildschwein auf Hausschweine. Mh.Vet.-Med., **8**, 109-112.

**Kaden, V.** 1998. Zur Situation der Klassischen Schweinepest beim Schwarzwild in der Europäischen Gemeinschaft und zu einigen Aspekten der Seuchenverbreitung. Berl.Münch.Tierärztl.Wochenschr., **111**, 201-207.

**Kaden, V.** 1999. Bekämpfung der Klassischen Schweinepest beim Schwarzwild. Z.Jagdwiss., **45**, 45-59.

**Kaden, V.** 2000. Schweinepest im Schwarzwildbestand. Unsere Jagd, **50**, 39-46.

**Kaden, V., Fischer, U., Schwanbeck, U. und Riebe, R.** 1992. Ist die Verfütterung von Grünfuttersilage in Gebieten mit Schweinepest beim Schwarzwild eine Gefahr für Hausschweinebestände? Berl.Münch.Tierärztl.Wochenschr., **105**, 73-77.

**Kaden, V., Gossger, K. und Uhlarz, W.** 2000a. Schweinepest beim Schwarzwild. Vorkommen, Übertragung und Bekämpfung. Der Jäger in Baden-Württemberg, Nr.1 - April 2000, 10-14.

**Kaden, V., Heyne, H., Kiupel, H., Letz, W., Kern, B., Lemmer, U., Gossger, K., Rothe, A., Bohme, H. und Tyrpe, P.** 2002. Oral immunisation of wild boar against classical swine fever: concluding analysis of the recent field trials in Germany. Berl.Münch.Tierärztl.Wochenschr., **115**, 179-185.

**Kaden, V., Hübert, P., Strebellow, G., Lange, E., Steyer, H. und Steinhagen, P.** 1999a. Vergleich labordiagnostischer Methoden zum Nachweis einer Infektion mit dem Virus der Klassischen Schweinepest (KSPV) in der frühen Infektionsphase: experimentelle Studie. Berl.Münch.Tierärztl.Wochenschr., **112**, 52-57.

**Kaden, V. und Lange, B.** 2001. Oral immunisation against classical swine fever (CSF): onset and duration of immunity. Vet.Microbiol., **82**, 301-310.

**Kaden, V. und Lange, E.** 2004. Development of maternal antibodies after oral vaccination of young female wild boar against classical swine fever. Vet.Microbiol., **103**, 115-119.

**Kaden, V., Lange, E., Fischer, U. und Strebellow, G.** 2000b. Oral immunisation of wild boar against classical swine fever: evaluation of the first field study in Germany. Vet.Microbiol., **73**, 239-252.

**Kaden, V., Lange, E., Polster, U., Klopffleisch, R. und Teifke, J.P.** 2004. Studies on the virulence of two field isolates of the classical swine fever virus genotype 2.3 rostock in wild boars of different age groups. J.Vet.Med.B, **51**, 202-208.

**Kaden, V., Lange, E., Schurig, U. und Strebellow, G.** 1997. Problematik der Diagnostik von schwachvirulentem KSP-Virus - Experimentelle Studie. In: DVG-Jahrestagung der FG Schweinekrankheiten. Hannover, 22-28.

**Kaden, V. und Müller, T.** 2001. Gefährliche Verwandtschaft. Schwarzwild: ein natürliches Reservoir für Infektionserreger und Ansteckungsquelle für Hausschweine? Der Forschungsreport.Publikation des Senats der Bundesforschungsanstalten, **1/2001**, 24-28.

**Kaden, V., Schurig, U. und Steyer, H.** 2001. Oral immunization of pigs against classical swine fever. Course of the disease and virus transmission after simultaneous vaccination and infection. Acta Virol., **45**, 23-29.

**Kaden, V., Steyer, H., Schnabel, J. und Bruer, W.** 2005. Classical swine fever (CSF) in wild boar: the role of the transplacental infection in the perpetuation of CSF. J.Vet.Med.B, **52**, 161-164.

**Kaden, V., Steyer, H., Strebellow, G., Lange, E., Hubert, P. und Steinhagen, P.** 1999b. Detection of low-virulent classical swine fever virus in blood of experimentally infected animals: comparison of different methods. Acta Virol., **43**, 373-380.

- Kaden, V., Ziegler, U., Lange, E. und Dedek, J.** 2000c. Classical swine fever virus: clinical, virological, serological and hematological findings after infection of domestic pigs and wild boars with the field isolate "Spante" originating from wild boar.  
Berl.Münch.Tierärztl.Wochenschr., **113**, 412-416.
- Kamijyo, Y., Ohkuma, S., Shimizu, M. und Shimizu, Y.** 1977. Differences in pathogenicity and antigenicity among hog cholera virus strains. Natl.Inst.Anim.Health Q.(Tokyo), **17**, 133-140.
- Kamolsiriprichaiporn, S., Hooper, P.T., Morrissy, C.J. und Westbury, H.A.** 1992. A comparison of the pathogenicity of two strains of hog cholera virus. 1. Clinical and pathological studies. Aust.Vet.J., **69**, 240-244.
- Kern, B.** 1998. Experiences with CSF vaccination of wild boar in Brandenburg. In: Measures to control classical swine fever in the European wild boar. Perugia, Italy, 6-7 April 1998, European Commission, doc. VI/7196/98, 122-127.
- Kern, B., Depner, K.R., Letz, W., Rott, M., Thalheim, S., Nitschke, B., Plagemann, R. und Liess, B.** 1999. Incidence of classical swine fever (CSF) in wild boar in a densely populated area indicating CSF virus persistence as a mechanism for virus perpetuation. Zentralbl.Veterinarmed.B, **46**, 63-67.
- Knoetig, S.M., Summerfield, A., Spagnuolo-Weaver, M. und McCullough, K.C.** 1999. Immunopathogenesis of classical swine fever: role of monocytic cells. Immunology, **97**, 359-366.
- Köbe, K. und Schmidt, W.** 1934. Differentialdiagnose zwischen chronischer Schweinepest und Ferkelgrippe. Dtsch.Tierärztl.Wochenschr., **42**, 145-148.
- Koenen, F., Van Caenegem, G., Vermeersch, J.P., Vandenheede, J. und Deluyker, H.** 1996. Epidemiological characteristics of an outbreak of classical swine fever in an area of high pig density. Vet.Rec., **139**, 367-371.
- Korn, G.** 1965. Virulenzveränderungen des Schweinepestvirus während des Infektionsablaufes: 2. Mitt. Virulenzabnahme vom Höhepunkt der Erkrankung bis zur Genesung. Zentralbl.Veterinarmed.B, **12**, 220-230.
- Korn, G.** 1980. Über eine Abnahme der Serumvirustiter, zur Funktion der virusneutralisierenden sowie der Chymotrypsin präzititierenden Antikörper im Krankheitsverlauf sowie zum Heilungsvorgang bei der Schweinepestkrankheit. Tierärztl.Umschau, **35**, 19-27.
- Korn, G. und Liebke, H.** 1967. Der Nachweis von schwachvirulentem Schweinepestvirus mit der HEIC-Methode und Immunfluoreszenz nach Zellkulturpassagen. Zentralbl.Veterinarmed.B, **14**, 49-56.
- Korn, G. und Zoeth, B.** 1971. Über die Vermehrung des Schweinepestvirus in einem Stamm von Lymphozyten-Phytozellen und einem Monozytenzellstamm. Zentralbl.Bakteriol.[Orig.A], **218**, 407-416.
- Kosmidou, A., Ahl, R., Thiel, H.J. und Weiland, E.** 1995. Differentiation of classical swine fever virus (CSFV) strains using monoclonal antibodies against structural glycoproteins. Vet.Microbiol., **47**, 111-118.

- Kosmidou, A., Buttner, M. und Meyers, G.** 1998. Isolation and characterization of cytopathogenic classical swine fever virus (CSFV). *Arch.Virol.*, **143**, 1295-1309.
- Krassnig, R.** 1998. Control of CSF in wild boar in Austria. In: Measures to control classical swine fever in the European wild boar. Perugia, Italy, 6-7 April 1998, European Commission, doc. VI/7196/98, 87-88.
- Krassnig, R. und Schuller, W.** 1993. Schweinepest in Österreich. *Wien.Tierärztl.Mschr*, **80**, 229-233.
- Krassnig, R., Schuller, W., Heinrich, J., Werfring, F., Kalaus, P. und Fruhwirth, M.** 1995. Isolation of Hog cholera virus in imported frozen meat. *Dtsch.Tierärztl.Wochenschr.*, **102**, 56.
- Kubin, G.** 1967. In vitro Merkmale des Schweinepestvirus. *Zentralbl.Veterinarmed.B*, **14**, 543-552.
- Kumagai, T., Shimizu, T. und Matumoto, M.** 1958. Detection of hog cholera virus by its effect on Newcastle disease virus in swine tissue culture. *Science*, **128**, 366.
- Laddomada, A.** 2000. Incidence and control of CSF in wild boar in Europe. *Vet.Microbiol.*, **73**, 121-130.
- Laddomada, A., Patta, C., Oggiano, A., Caccia, A., Ruiu, A., Cossu, P. und Firinu, A.** 1994. Epidemiology of classical swine fever in Sardinia: a serological survey of wild boar and comparison with African swine fever. *Vet.Rec.*, **134**, 183-187.
- Laevens, H., Deluyker, H., Koenen, F., Van Caenegem, G., Vermeersch, J.P. und de Kruif, A.** 1998. An experimental infection with a classical swine fever virus in weaner pigs. II. The use of serological data to estimate the day of virus introduction in natural outbreaks. *Vet.Q.*, **20**, 46-49.
- Laevens, H., Koenen, F., Deluyker, H. und de Kruif, A.** 1999. Experimental infection of slaughter pigs with classical swine fever virus: transmission of the virus, course of the disease and antibody response. *Vet.Rec.*, **145**, 243-248.
- Laude, H.** 1977. An improved method for purification of classical swine fever virus grown in tissue culture. In: Agricultural Research Seminar on Hog Cholera/ Classical Swine Fever and African Swine Fever. Comm. of the European Communities, EUR 5904, 5-22.
- Lee, W.C., Wang, C.S. und Chien, M.S.** 1999. Virus antigen expression and alterations in peripheral blood mononuclear cell subpopulations after classical swine fever virus infection. *Vet.Microbiol.*, **67**, 17-29.
- Leforban, Y. und Cariolet, R.** 1992. Characterization and pathogenicity for pigs of a hog cholera virus strain isolated from wild boars. *Ann.Rech.Vet.*, **23**, 93-100.
- Letz, W.** 1997. Entwicklung und Verlauf des KSP-Geschehens im Land Brandenburg. In: 2. Riemser Meeting zur oralen Immunisierung gegen KSP. Insel Riems, 13-15.
- Liess, B.** 1984. Persistent infections of hog cholera: a review. *Prev.Vet.Med.*, **2**, 109-113.
- Liess, B.** 1987. Pathogenesis and epidemiology of hog cholera. *Ann.Rech.Vet*, **18**, 139-145.

- Liess, B., Frey, H.R., Prager, D., Hafez, S.M. und Roeder, M.** 1976. The course of natural swine fever infection in individual swine and investigations on the development of inapparent swine fever infections. In: Diagnosis and epizootiology of classical swine fever. Luxembourg, CEC Publication, EUR 5486, 99-113.
- Lindenbach, B.D. und Rice, C.M.** 2001. *Flaviviridae*: The Viruses and Their Replication. In: Fields Virology. (eds Knipe,D.M., Howley,P.M., Griffin,D.E., Martin,M.A., Lamb,R.A., Roizman,B. und Strauss,S.E.), pp. 991-1041. Lippincott Williams & Wilkins, Philadelphia.
- Littell, R., Milliken, G.A., Stroup, W.W. und Wolfinger, R.D.** 1996. SAS System for Mixed Models. SAS Institute Inc., Cary, NC.
- Liu, J.J., Wong, M.L. und Chang, T.J.** 1998. The recombinant nucleocapsid protein of classical swine fever virus can act as a transcriptional regulator. *Virus Res.*, **53**, 75-80.
- Liu, S., Tu, C., Wang, C., Yu, X., Wu, J., Guo, S., Shao, M., Gong, Q., Zhu, Q. und Kong, X.** 2006. The protective immune response induced by B cell epitope of classical swine fever virus glycoprotein E2. *J.Virol.Methods*, **134**, 125-129.
- Liu, S.T., Li, S.N., Wang, D.C., Chang, S.F., Chiang, S.C., Ho, W.C., Chang, Y.S. und Lai, S.S.** 1991. Rapid detection of hog cholera virus in tissues by the polymerase chain reaction. *J.Virol.Methods*, **35**, 227-236.
- Lowings, P., Ibata, G., Needham, J. und Paton, D.** 1996. Classical swine fever virus diversity and evolution. *J.Gen.Virol.*, **77 ( Pt 6)**, 1311-1321.
- Mahnel, H. und Mayr, A.** 1974. Ätiologie. In: *Schweinepest*. Gustav Fischer Verlag Jena.
- Mayer, D., Hofmann, M.A. und Tratschin, J.D.** 2004. Attenuation of classical swine fever virus by deletion of the viral N(pro) gene. *Vaccine*, **22**, 317-328.
- Mayr, A., Bachmann, P.A., Bibrack, B. und Wittmann, G.** 1974. Quantitative Bestimmung der Infektiosität (Virustitration). In: *Virologische Arbeitsmethoden*, Band I (Zellkulturen-Bebrütete Hühnereier-Versuchstiere). (eds Mayr,A., Bachmann,P., Bibrack,B. und Wittmann,G.), pp. 35-39. Gustav Fischer Verlag, Jena.
- Mayr, A., Bachmann, P., Bibrack, B. und Wittmann, G.** 1977. Neutralisationstest. In: *Virologische Arbeitsmethoden*, Band II (Serologie). (eds Mayr,A., Bachmann,P., Bibrack,B. und Wittmann,G.), pp. 457-534. Gustav Fischer Verlag, Jena.
- Mengeling, W.L.** 1970. Endogenous neutralization of virus during fatal hog cholera illness. *Am.J.Vet.Res.*, **31**, 91-95.
- Mengeling, W.L. und Cheville, N.F.** 1968. Host response to persistent infection with hog cholera virus. In: *Proc.72nd Ann.Meet.U.S.Anim.Hlth.Assoc.* 283-296.
- Mengeling, W.L. und Drake, L.** 1969. Replication of hog cholera virus in cell culture. *Am.J.Vet.Res.*, **30**, 1817-1823.
- Mengeling, W.L. und Packer, R.A.** 1969. Pathogenesis of chronic hog cholera: host response. *Am.J.Vet.Res.*, **30**, 409-417.

- Meyer, C., Von, F.M., Elbers, K. und Meyers, G.** 2002. Recovery of virulent and RNase-negative attenuated type 2 bovine viral diarrhea viruses from infectious cDNA clones. *J.Virol.*, **76**, 8494-8503.
- Meyer, H.** 1978. Experimentelle diaplazentare Infektion von Schweinefeten mit dem Virus der Europäischen Schweinepest. Virologische und serologische Untersuchungen. Dissertation. Tierärztliche Hochschule Hannover.
- Meyer, H., Liess, B., Frey, H.R., Hermanns, W. und Trautwein, G.** 1981. Experimental transplacental transmission of hog cholera virus in pigs. IV. Virological and serological studies in newborn piglets. *Zentralbl.Veterinärmed.B*, **28**, 659-668.
- Meyers, G., Rümenapf, T. und Thiel, H.J.** 1989. Molecular cloning and nucleotide sequence of the genome of hog cholera virus. *Virology*, **171**, 555-567.
- Meyers, G., Saalmüller, A. und Büttner, M.** 1999. Mutations abrogating the RNase activity in glycoprotein E(rns) of the pestivirus classical swine fever virus lead to virus attenuation. *J.Virol.*, **73**, 10224-10235.
- Meyers, G. und Thiel, H.J.** 1995. Cytopathogenicity of classical swine fever virus caused by defective interfering particles. *J.Virol.*, **69**, 3683-3689.
- Meyers, G. und Thiel, H.J.** 1996. Molecular characterization of pestiviruses. *Adv.Virus Res.*, **47**, 53-118.
- Meynhardt, H.** 1990. Schwarzwild-Report: Mein Leben unter Wildschweinen. Verlag Neumann, Leipzig.
- Mittelholzer, C., Moser, C., Tratschin, J.D. und Hofmann, M.A.** 1997. Generation of cytopathogenic subgenomic RNA of classical swine fever virus in persistently infected porcine cell lines. *Virus Res.*, **51**, 125-137.
- Mittelholzer, C., Moser, C., Tratschin, J.D. und Hofmann, M.A.** 2000. Analysis of classical swine fever virus replication kinetics allows differentiation of highly virulent from avirulent strains. *Vet.Microbiol.*, **74**, 293-308.
- Moennig, V.** 1990. Pestiviruses: a review. *Vet.Microbiol.*, **23**, 35-54.
- Moennig, V.** 2000. Introduction to classical swine fever: virus, disease and control policy. *Vet.Microbiol.*, **73**, 93-102.
- Moennig, V., Floegel-Niesmann, G. und Greiser-Wilke, I.** 2003. Clinical signs and epidemiology of classical swine fever: a review of new knowledge. *Vet.J.*, **165**, 11-20.
- Moennig, V. und Plagemann, G.W.** 1992. The pestiviruses. In: *Advances in virus research.* (eds Maramorosch,K., Murphy,F.A. und Shatkin,A.J.), pp. 53-98. Academic Press, San Diego.
- Mogensen, S.C.** 1979. Role of macrophages in natural resistance to virus infections. *Microbiol.Rev.*, **43**, 1-26.
- Moser, C., Stettler, P., Tratschin, J.D. und Hofmann, M.A.** 1999. Cytopathogenic and noncytopathogenic RNA replicons of classical swine fever virus. *J.Virol.*, **73**, 7787-7794.

- Muyldermans, G., San Gabriel, M.C., Hamers, R. und Wyns, L.** 1996. Expression in E. coli and purification of the active autoprotease P20 of classical swine fever virus. *Virus Genes*, **13**, 135-142.
- Nakamura, S., Sasahara, J., Shimizu, M. und Shimizu, Y.** 1983. Replication of hog cholera virus in porcine alveolar macrophage cultures. *Natl.Inst.Anim.Health Q.(Tokyo)*, **23**, 101-102.
- Paton, D.J., McGoldrick, A., Greiser-Wilke, I., Parchariyanon, S., Song, J.Y., Liou, P.P., Stadejek, T., Lowings, J.P., Bjorklund, H. und Belak, S.** 2000. Genetic typing of classical swine fever virus. *Vet.Microbiol.*, **73**, 137-157.
- Paton, D.J., Sands, J.J., Lowings, J.P., Smith, J.E., Ibata, G. und Edwards, S.** 1995. A proposed division of the pestivirus genus using monoclonal antibodies, supported by cross-neutralisation assays and genetic sequencing. *Vet.Res.*, **26**, 92-109.
- Patta, C., Oggiano, A., Cattina, A., Vargiu, M.P., Pala, G., Melis, P. und Ladu, A.** 1998. Control of CSF in wild boar in Sardinia. In: Measures to control classical swine fever in the European wild boar. Perugia, Italy, 6-7 April 1998, European Commission, doc. VI/7196/98, 91-92.
- Pauly, T., König, M., Thiel, H.J. und Saalmüller, A.** 1998. Infection with classical swine fever virus: effects on phenotype and immune responsiveness of porcine T lymphocytes. *J.Gen.Viro.*, **79 ( Pt 1)**, 31-40.
- Peters, W., Greiser-Wilke, I., Moennig, V. und Liess, B.** 1986. Preliminary serological characterization of bovine viral diarrhoea virus strains using monoclonal antibodies. *Vet.Microbiol.*, **12**, 195-200.
- Pirtle, E.C. und Kniazeff, A.J.** 1968. Susceptibility of cultured mammalian cells to infection with virulent and modified hog cholera viruses. *Am.J.Vet.Res.*, **29**, 1033-1040.
- Pittler, H., Brack, M., Schulz, L.-C., Rohde, G., Witte, K. und Liess, B.** 1968. Untersuchungen über die Europäische Schweinepest. I. Mitteilung: Ermittlungen zur gegenwärtigen Seuchensituation in Norddeutschland. *Dtsch.Tierärztl.Wochenschr.*, **75**, 537-542.
- Plateau, E., Vannier, P. und Tillon, J.P.** 1980. Experimental study of a mild virulence strain of hog cholera: individual variations and horizontal transmission. *Zentralbl.Veterinärmed.B*, **27**, 650-657.
- Poole, T.L., Wang, C., Popp, R.A., Potgieter, L.N., Siddiqui, A. und Collett, M.S.** 1995. Pestivirus translation initiation occurs by internal ribosome entry. *Virology*, **206**, 750-754.
- Ressang, A.A.** 1973a. Studies on the pathogenesis of hog cholera. II. Virus distribution in tissue and the morphology of the immune response. *Zentralbl.Veterinärmed.B*, **20**, 272-288.
- Ressang, A.A.** 1973b. Studies on the pathogenesis of hog cholera. I. Demonstration of hog cholera virus subsequent to oral exposure. *Zentralbl.Veterinärmed.B*, **20**, 256-271.
- Rijnbrand, R., van der Straaten, T., van Rijn, P.A., Spaan, W.J. und Bredenbeek, P.J.** 1997. Internal entry of ribosomes is directed by the 5' noncoding region of classical swine

fever virus and is dependent on the presence of an RNA pseudoknot upstream of the initiation codon. J.Virol., **71**, 451-457.

**Risatti, G.R., Borca, M.V., Kutish, G.F., Lu, Z., Holinka, L.G., French, R.A., Tulman, E.R. und Rock, D.L.** 2005a. The E2 glycoprotein of classical swine fever virus is a virulence determinant in swine. J.Viro., **79**, 3787-3796.

**Risatti, G.R., Holinka, L.G., Lu, Z., Kutish, G.F., Tulman, E.R., French, R.A., Sur, J.H., Rock, D.L. und Borca, M.V.** 2005b. Mutation of E1 glycoprotein of classical swine fever virus affects viral virulence in swine. Virology, **343**, 116-127.

**Röhrer, H.** 1953. Die pathologisch-anatomische Diagnose der Schweinepest. Mh.Vet.-Med., **8**, 199-202.

**Ruggli, N., Tratschin, J.D., Schweizer, M., McCullough, K.C., Hofmann, M.A. und Summerfield, A.** 2003. Classical swine fever virus interferes with cellular antiviral defense: evidence for a novel function of N<sup>pro</sup>. J.Viro., **77**, 7645-7654.

**Rümenapf, T., Meyers, G., Stark, R. und Thiel, H.J.** 1991a. Molecular characterization of hog cholera virus. Arch.Virol.Suppl., **3**, 7-18.

**Rümenapf, T., Stark, R., Heimann, M. und Thiel, H.J.** 1998. N-terminal protease of pestiviruses: identification of putative catalytic residues by site-directed mutagenesis. J.Viro., **72**, 2544-2547.

**Rümenapf, T., Stark, R., Meyers, G. und Thiel, H.J.** 1991b. Structural proteins of hog cholera virus expressed by vaccinia virus: further characterization and induction of protective immunity. J.Viro., **65**, 589-597.

**Rümenapf, T., Unger, G., Strauss, J.H. und Thiel, H.J.** 1993. Processing of the envelope glycoproteins of pestiviruses. J.Viro., **67**, 3288-3294.

**Sanchez-Cordon, P.J., Romanini, S., Salguero, F.J., Nunez, A., Bautista, M.J., Jover, A. und Gomez-Villamos, J.C.** 2002. Apoptosis of thymocytes related to cytokine expression in experimental classical swine fever. J.Comp.Pathol., **127**, 239-248.

**Sandvik, T., Drew, T. und Paton, D.** 2000. CSF virus in East Anglia: where from? Vet.Rec., **147**, 251.

**Sato, M., Mikami, O., Kobayashi, M. und Nakajima, Y.** 2000. Apoptosis in the lymphatic organs of piglets inoculated with classical swine fever virus. Vet.Microbiol., **75**, 1-9.

**Schmidt, D., Bergmann, H. und Wittmann, E.** 1965. Zur Ätiologie der chronischen und der atypisch verlaufenden Schweinepest. Arch.Exp.Vet.Med., **19**, 149-156.

**Schneider, R., Unger, G., Stark, R., Schneider-Scherzer, E. und Thiel, H.J.** 1993. Identification of a structural glycoprotein of an RNA virus as a ribonuclease. Science, **261**, 1169-1171.

**Schnyder, M., Stark, K.D., Vanzetti, T., Salman, M.D., Thor, B., Schleiss, W. und Griot, C.** 2002. Epidemiology and control of an outbreak of classical swine fever in wild boar in Switzerland. Vet.Rec., **150**, 102-109.

- Schurig, U.** 1999. Orale Immunisierung von Schwarzwild gegen Klassische Schweinepest in Mecklenburg-Vorpommern. Auswertung der ersten vier Immunisierungsperioden in drei Gebieten. Dissertation. Freie Universität Berlin.
- Stark, R., Meyers, G., Rümenapf, T. und Thiel, H.J.** 1993. Processing of pestivirus polyprotein: cleavage site between autoprotease and nucleocapsid protein of classical swine fever virus. *J.Virol.*, **67**, 7088-7095.
- Steyer, H.** 2000. Orale Immunisierung gegen Klassische Schweinepest beim Schwarzwild - laborexperimentelle und Feldstudien. Dissertation. Freie Universität Berlin.
- Strebelow, G. und Kaden, V.** 1998. Characterization of classical swine fever virus field isolates originating from wild boar and domestic pigs from federal states of Mecklenburg-Western Pomerania and Brandenburg. In: OIE Symposium on Classical Swine Fever (Hog Cholera). Birmingham (United Kingdom), 9-10 July 1998,
- Summerfield, A., Hofmann, M.A. und McCullough, K.C.** 1998a. Low density blood granulocytic cells induced during classical swine fever are targets for virus infection. *Vet.Immunol.Immunopathol.*, **63**, 289-301.
- Summerfield, A., Knotig, S.M. und McCullough, K.C.** 1998b. Lymphocyte apoptosis during classical swine fever: implication of activation-induced cell death. *J.Virol.*, **72**, 1853-1861.
- Summerfield, A., McNeilly, F., Walker, I., Allan, G., Knoetig, S.M. und McCullough, K.C.** 2001. Depletion of CD4(+) and CD8(high+) T-cells before the onset of viraemia during classical swine fever. *Vet.Immunol.Immunopathol.*, **78**, 3-19.
- Susa, M., König, M., Saalmüller, A., Reddehase, M.J. und Thiel, H.J.** 1992. Pathogenesis of classical swine fever: B-lymphocyte deficiency caused by hog cholera virus. *J.Virol.*, **66**, 1171-1175.
- Tanaka, N., Sato, M., Lamphier, M.S., Nozawa, H., Oda, E., Noguchi, S., Schreiber, R.D., Tsujimoto, Y. und Taniguchi, T.** 1998. Type I interferons are essential mediators of apoptotic death in virally infected cells. *Genes Cells*, **3**, 29-37.
- Tautz, N., Meyers, G., Stark, R., Dubovi, E.J. und Thiel, H.J.** 1996. Cytopathogenicity of a pestivirus correlates with a 27-nucleotide insertion. *J.Virol.*, **70**, 7851-7858.
- Terpstra, C.** 1987. Epizootiology of swine fever. *Vet.Q.*, **9 Suppl 1**, 50S-60S.
- Terpstra, C. und de Smit, A.J.** 2000. The 1997/1998 epizootic of swine fever in the Netherlands: control strategies under a non-vaccination regimen. *Vet.Microbiol.*, **77**, 3-15.
- Teuffert, J., Schlüter, H. und Kramer, M.** 1997. Europäische Schweinepest. Übersicht zur internationalen (Europa) und nationalen Schweinepestsituation - ermittelte Einschleppungsursachen und Verschleppungsrisiken. *Deutsches Tierärzteblatt*, **11/97**, 1078-1080.
- Thiel, H.J., Stark, R., Weiland, E., Rümenapf, T. und Meyers, G.** 1991. Hog cholera virus: molecular composition of virions from a pestivirus. *J.Virol.*, **65**, 4705-4712.

- Toba, M. und Matumoto, M.** 1969. Role of interferon in enhanced replication of Newcastle disease virus in swine cells infected with hog cholera virus. *Jpn.J.Microbiol.*, **13**, 303-305.
- Tratschin, J.D., Moser, C., Ruggli, N. und Hofmann, M.A.** 1998. Classical swine fever virus leader proteinase Npro is not required for viral replication in cell culture. *J.Virol.*, **72**, 7681-7684.
- Trautwein, G.** 1988. Pathology and Pathogenesis of the Disease. In: Classical swine fever and related viral infections. (ed Liess,B.), pp. 27-53. Martinus Nijhoff Publishing Boston, Dordrecht, Lancaster.
- Treu, H. und Nieders, M.L.** 1997. Zur Situation der KSP beim Schwarzwild in Niedersachsen von 1993 bis 1997. In: Bekämpfung der KSP beim Schwarzwild: 2. Riemser Meeting zur oralen Immunisierung gegen KSP. Insel Riems, 25.-26. Juni 1997, 16-22.
- Unger, G.** 1993. Proteinbiochemische und strukturelle Analysen des Virus der Klassischen Schweinepest. Dissertation. Eberhard-Karls-Universität Tübingen.
- van Bekkum, J.G. und Barteling, S.J.** 1970. Plaque production by hog cholera virus. *Arch.Gesamte Virusforsch.*, **32**, 185-200.
- van der Molen, E.J. und van Oirschot, J.T.** 1981. Congenital persistent swine fever (hog cholera). I. Pathomorphological lesions in lymphoid tissues, kidney and adrenal. *Zentralbl.Veterinarmed.B.*, **28**, 89-101.
- van Gennip, H.G., Vlot, A.C., Hulst, M.M., de Smit, A.J. und Moormann, R.J.** 2004. Determinants of virulence of classical swine fever virus strain Brescia. *J.Virol.*, **78**, 8812-8823.
- van Oirschot, J.T.** 1988. Description of the virus infection. In: Classical swine fever and related infections. (ed Liess,B.), pp. 1-25. Martinus Nijhoff Publishing Boston, Dordrecht, Lancaster.
- van Oirschot, J.T.** 1979a. Experimental production of congenital persistent swine fever infections. I. Clinical, pathological and virological observations. *Vet.Microbiol.*, **4**, 117-132.
- van Oirschot, J.T.** 1979b. Experimental production of congenital persistent swine fever infections. II. Effect on functions of the immune system. *Vet.Microbiol.*, **4**, 133-147.
- van Oirschot, J.T. und Terpstra, C.** 1977a. A congenital persistent swine fever infection. II. Immune response to swine fever virus and unrelated antigens. *Vet.Microbiol.*, **2**, 133-142.
- van Oirschot, J.T. und Terpstra, C.** 1977b. A congenital persistent swine fever infection. I. Clinical and virological observations. *Vet.Microbiol.*, **2**, 121-132.
- van Rijn, P.A., Bossers, A., Wensvoort, G. und Moormann, R.J.** 1996. Classical swine fever virus (CSFV) envelope glycoprotein E2 containing one structural antigenic unit protects pigs from lethal CSFV challenge. *J.Gen.Virol.*, **77 ( Pt 11)**, 2737-2745.
- van Zijl, M., Wensvoort, G., de Kluyver, E., Hulst, M., van der Gulden, H., Gielkens, A., Berns, A. und Moormann, R.** 1991. Live attenuated pseudorabies virus expressing envelope glycoprotein E1 of hog cholera virus protects swine against both pseudorabies and hog cholera. *J.Virol.*, **65**, 2761-2765.

- Vassilev, V.B. und Donis, R.O.** 2000. Bovine viral diarrhea virus induced apoptosis correlates with increased intracellular viral RNA accumulation. *Virus Res.*, **69**, 95-107.
- Verhulst, P.-F.** 1845. Recherches mathématiques sur la loi d'accroissement de la population. In: Mémoires de l'Académie Royale des Sciences et Belles Lettres de Bruxelles. Brüssel.
- Vilcek, S. und Belak, S.** 1997. Organization and diversity of the 3'-noncoding region of classical swine fever virus genome. *Virus Genes*, **15**, 181-186.
- Vilcek, S. und Paton, D.J.** 1998. Application of genetic methods to study the relationship between classical swine fever outbreaks. *Res.Vet.Sci.*, **65**, 89-90.
- Vilcek, S., Stadejek, T., Ballagi-Pordany, A., Lowings, J.P., Paton, D.J. und Belak, S.** 1996. Genetic variability of classical swine fever virus. *Virus Res.*, **43**, 137-147.
- von Freyburg, M., Ege, A., Saalmüller, A. und Meyers, G.** 2004. Comparison of the effects of RNase-negative and wild-type classical swine fever virus on peripheral blood cells of infected pigs. *J.Gen.Viro.*, **85**, 1899-1908.
- Wachendorfer, G., Reinhold, G.E., Dingeldein, W., Berger, J., Lorenz, J. und Frost, J.W.** 1978. Analyse der Schweinepest-Epidemie in Hessen in den Jahren 1971-1974. *Dtsch.Tierärztl.Wochenschr.*, **85**, 113-120.
- Weiland, E., Ahl, R., Stark, R., Weiland, F. und Thiel, H.J.** 1992. A second envelope glycoprotein mediates neutralization of a pestivirus, hog cholera virus. *J.Viro.*, **66**, 3677-3682.
- Weiland, E., Stark, R., Haas, B., Rümenapf, T., Meyers, G. und Thiel, H.J.** 1990. Pestivirus glycoprotein which induces neutralizing antibodies forms part of a disulfide-linked heterodimer. *J.Viro.*, **64**, 3563-3569.
- Weiland, F., Weiland, E., Unger, G., Saalmüller, A. und Thiel, H.J.** 1999. Localization of pestiviral envelope proteins E(rns) and E2 at the cell surface and on isolated particles. *J.Gen.Viro.*, **80 ( Pt 5)**, 1157-1165.
- Wengler, G.** 1991. Family Flaviviridae. In: Classification and nomenclature of viruses. Fifth report of the International Committee on taxonomy of viruses. (eds Franck, R.I.B., Fauquet, C.M., Knudson, D.L. und Brown, F.), pp. 223-233. Springer Verlag, Wien.
- Wengler, G.** 1995. Family Flaviviridae. In: Virus Taxonomy. Sixth report of the International Committee on taxonomy of viruses. (eds Murphy, F.A., Fauquet, C.M., Bishop, D.H.L., Ghabrial, S.A., Jarvis, A.W., Martelli, G.P., Mayo, M.A. und Summers, M.D.), pp. 415-427. Springer Verlag, Wien, New York.
- Wensvoort, G., Terpstra, C., Boonstra, J., Bloemraad, M. und Van Zaane, D.** 1986. Production of monoclonal antibodies against swine fever virus and their use in laboratory diagnosis. *Vet.Microbiol.*, **12**, 101-108.
- Wensvoort, G., Terpstra, C. und de Kluyver, E.P.** 1989a. Characterization of porcine and some ruminant pestiviruses by cross-neutralization. *Vet.Microbiol.*, **20**, 291-306.

- Wensvoort, G., Terpstra, C., de Kluyver, E.P., Kragten, C. und Warnaar, J.C.** 1989b. Antigenic differentiation of pestivirus strains with monoclonal antibodies against hog cholera virus. *Vet.Microbiol.*, **21**, 9-20.
- Westfall, P.H., Tobias, R.D., Rom, D., Wolfinger, R.D. und Hochberg, Y.** 1999. Multiple Comparisons and Multiple Tests Using the SAS System. SAS Institute Inc., Cary, NC.
- Windisch, J.M., Schneider, R., Stark, R., Weiland, E., Meyers, G. und Thiel, H.J.** 1996. RNase of classical swine fever virus: biochemical characterization and inhibition by virus-neutralizing monoclonal antibodies. *J.Viro.*, **70**, 352-358.
- Wiskerchen, M., Belzer, S.K. und Collett, M.S.** 1991. Pestivirus gene expression: the first protein product of the bovine viral diarrhea virus large open reading frame, p20, possesses proteolytic activity. *J.Viro.*, **65**, 4508-4514.
- Wiskerchen, M. und Collett, M.S.** 1991. Pestivirus gene expression: protein p80 of bovine viral diarrhea virus is a proteinase involved in polyprotein processing. *Virology*, **184**, 341-350.
- Wonnemann, H., Floegel-Niesmann, G., Moennig, V. und Greiser-Wilke, I.** 2001. Genetic typing of classical swine fever isolates from Germany. *Dtsch.Tierärztl.Wochenschr.*, **108**, 252-256.
- Wood, L., Brockman, S., Harkness, J.W. und Edwards, S.** 1988. Classical swine fever: virulence and tissue distribution of a 1986 English isolate in pigs. *Vet.Rec.*, **122**, 391-394.
- Xiao, M., Li, H., Wang, Y., Wang, X., Wang, W., Peng, J., Chen, J. und Li, B.** 2006. Characterization of the N-terminal domain of classical swine fever virus RNA-dependent RNA polymerase. *J.Gen.Viro.*, **87**, 347-356.
- Xu, J., Mendez, E., Caron, P.R., Lin, C., Murcko, M.A., Collett, M.S. und Rice, C.M.** 1997. Bovine viral diarrhea virus NS3 serine proteinase: polyprotein cleavage sites, cofactor requirements, and molecular model of an enzyme essential for pestivirus replication. *J.Viro.*, **71**, 5312-5322.
- Zanardi, G., Macchi, C., Sacchi, C. und Rutili, D.** 2003. Classical swine fever in wild boar in the Lombardy region of Italy from 1997 to 2002. *Vet.Rec.*, **152**, 461-465.
- Zhang, G., Aldridge, S., Clarke, M.C. und McCauley, J.W.** 1996. Cell death induced by cytopathic bovine viral diarrhoea virus is mediated by apoptosis. *J.Gen.Viro.*, **77 ( Pt 8)**, 1677-1681.