

• SELECTED REFERENCES ON INFLUENZA IN ANIMALS

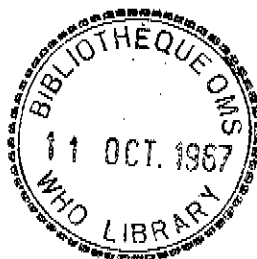
compiled by

The Veterinary Public Health Unit  
World Health Organization  
Geneva, Switzerland

REFERENCES CHOISIES SUR LA GRIPPE ANIMALE

établie par le

Service de la Santé publique vétérinaire  
Organisation mondiale de la Santé  
Genève, Suisse



The issue of this document does not constitute formal publication. It should not be reviewed, abstracted or quoted without the agreement of the World Health Organization. Authors alone are responsible for views expressed in signed articles.

Ce document ne constitue pas une publication. Il ne doit faire l'objet d'aucun compte rendu ou résumé ni d'aucune citation sans l'autorisation de l'Organisation Mondiale de la Santé. Les opinions exprimées dans les articles signés n'engagent que leurs auteurs.

### INTRODUCTION

In view of the recent advances in knowledge of influenza infections in animals and also WHO's coordination of research into this subject, it seems opportune to collate pertinent references. An attempt has been made to list only articles referring to animal influenza, caused by Myxovirus, but it was not always possible to determine whether or not a particular article should be included, especially articles that appeared before virus isolation and identification and serological techniques were dependable. Sometimes arbitrary decisions had to be taken so readers should not infer that every article necessarily deals with true Myxovirus influenza infections. Doubtless there are omissions. Corrections and reprints would be welcomed.

Veterinary Public Health Unit  
WHO  
Geneva, June 1967

### INTRODUCTION

Par suite des récentes progrès dans la connaissance des infections grippales chez les animaux et de l'intérêt de l'OMS pour ce sujet, il nous a semblé opportun d'établir une liste de références choisies. Nous avons essayé de ne mentionner que les articles se référant à la grippe animale causée par les myxovirus, mais il n'a pas toujours été possible de déterminer si un article particulier devait être inclus ou non, surtout les articles antérieurs à l'isolation et à l'identification des virus datant d'une époque où l'on ne pouvait se fier aux méthodes sérologiques. Nous avons pris parfois des décisions arbitraires, c'est pourquoi le lecteur ne devra pas conclure que chaque article traite nécessairement des infections grippales à myxovirus. Il y a sans doute des omissions. Nous serons heureux de recevoir les corrections et les tirés-à-part.

Service de la Santé publique vétérinaire  
OMS  
Genève, juin 1967

SWINE  
PORCINS

1918-1929

Altmann, A. (1918) An influenza-like illness in swine, Allatorv. Lapok., 23, 184

Dorset, M., McBryde, C.N. & Niles, W.B. (1922-23) Remarks on "hog flu",  
J. Amer. vet. med. Ass., New Series 15, 162-171

Koen, J.S. (1919) A practical method for field diagnosis of swine diseases,  
Amer. J. vet. med., 14, 468-470

McBryde, C.N. (1927) Some observations on "hog flu" and its seasonal prevalence in  
Iowa, J. Amer. vet. med. Ass., 71, 368

McBryde, C.N., Niles, W.B., & Moskey, H.E. (1928) Investigations on the transmission  
and etiology of hog flu, J. Amer. vet. med. Ass., New Series 26, 331-346

1930-1939

Elford, W.J., Andrewes, C.H. & Tang, F.F. (1936) The size of the viruses of human  
and swine influenza as determined by ultrafiltration, Brit. J. exp. Path.,  
17, 51-53

Francis, T., Jr. & Shope, R.E. (1936) Neutralization tests with sera of convalescent  
or immunized animals and the viruses of swine and human influenza, J. exp. Med.,  
63, 645-653

Hupbauer, A. (1937) First record of swine influenza in Yugoslavia, Jugosl. vet. Glasn.,  
17, 3-6, (Vet. Bull., 1938, 8, p.91)

Orcutt, M.L. & Shope, R.E. (1935) The distribution of swine influenza virus in swine,  
J. exp. Med., 62, 823-826

Ridala, V. (1936) Swine influenza in Estonia, Eesti loomarst. Ringv., 12, 209-218,  
(Vet. Bull., 1939, 9, p.91)

Rosenbusch, C.T. & Shope, R.E. (1939) The antibody responses to swine influenza,  
J. exp. Med., 69, 499-505

Scott, J.P. (1938) Swine influenza, Rep. 13th int. vet. Congr., 1, 479-490,  
(Vet. Bull, 1941, 11, p.298)

- Shope, R.E. (1931) Swine influenza III. Filtration experiments and etiology, J. exp. Med., 54, 373
- Shope, R.E. (1932) Studies on immunity to swine influenza, J. exp. Med., 56, 575-585
- Shope, R.E., (1934) Swine influenza V. Studies on contagion, J. exp. Med., 59, 201-211
- Shope, R.E. (1934) The infection of ferrets with swine influenza virus, J. exp. Med., 60, 49-61
- Shope, R.E. (1935) The infection of mice with swine influenza virus, J. exp. Med., 62, 561-572
- Shope, R.E. (1936) The incidence of neutralizing antibodies for swine influenza virus in the sera of human beings of different ages, J. exp. Med., 63, 669-684
- Shope, R.E. (1936) Immunization experiments with swine influenza virus, J. exp. Med., 64, 47-61
- Shope, R.E. (1937) The effect of Hemophilus influenzae suis vaccines on swine influenza, J. exp. Med., 66, 169-175
- Shope, R.E. (1938) Serological evidence for the occurrence of infection with human influenza virus in swine, J. exp. Med., 67, 739-748
- Shope, R.E. (1939) An intermediate host for the swine influenza virus, Science, 89, 441-442
- Shope, R.E. (1939) Serological studies of swine influenza viruses, J. exp. Med., 69, 847-856
- Shope, R.E. & Francis, T., Jr. (1936) The susceptibility of swine to the virus of human influenza, J. exp. Med., 64, 791-801

1940-1949

- Agapov, S.I. (1941) Presence of virus of swine influenza in blood, bile and urine of sick animals, Veterinariya (Moscow), 18, No. 3, 68-71
- Bang, F.B. (1943) Synergistic action of Hemophilus influenzae suis and the swine influenza virus on the chick embryo, J. exp. Med., 77, 7-20
- Bang, F.B. (1943) Synergistic action of Hemophilus influenzae suis and the swine influenza virus on the chick embryo, II., J. exp. Med., 78, 9-16

- Beard, J.W., McLean, I.W., Jr., & Beard, D. (1947) Protective value of influenza vaccine assayed in swine, Sth. med. J., Nashville., 40, 608-618
- Blakemore, F. & Gledhill, A.W. (1941) Some observations on an outbreak of swine influenza in England, Vet. Rec., 53, 227-230
- Blakemore, F., Gledhill, A.W., Glover, R.E. & Taylor, E.L. (1941) Discussion on swine influenza in the British Isles, Proc. R. Soc. Med., 34, 611-618, (Vet. Bull., 1942, 12, p.89)
- Dreguss, M. (1943) Über die Infektion von Schweinen mit menschlichem Influenzavirus unter natürlichen Verhältnissen, Arch. ges. Virusforsch., 3, 35-48
- Dreguss, M. & Hoffmann, F. (1941) Hyperimmunisierung der Schweine mit menschlichen Influenzavirus (Vorläufige Mitteilung), Zbl. Bakt. I. (Orig), 146, 310-312
- Francis, T., Jr., Quilligan, J.J., Jr., & Minuse, E. (1949) Resemblance of a strain of swine influenza virus to human A-prime strains, Proc. Soc. exp. Biol., N.Y., 71, 216-220
- Glover, R.E. & Andrewes, C.H. (1943) The antigenic structure of British strains of swine influenza virus, J. comp. Path., 53, 329-341
- Hudson, N.P., Sigel, M.M. & Markham, F.S. (1943) Antigenic relationship of British swine influenza strains to standard human and swine influenza viruses. The use of chicken and ferret antisera in red cell agglutination, J. exp. Med., 77, 467-471
- Lennette, E.H. & Horsfall, F.L., Jr. (1941) Studies on influenza virus. The complement-fixing antigen of influenza A and swine influenza viruses, J. exp. Med., 73, 581-599
- McLean, I.W., Jr., Beard, D., & Beard, J.W. (1947) Studies on the immunization of swine against infection with the swine influenza virus. I. Resistance following subcutaneous administration of formalized purified influenza virus, J. Immunol. 56, 109-138
- McLean, I.W., Beard, D., Taylor, A.R., Sharp, D.G. & Beard, J.W. (1945) The antibody response of swine to vaccination with inactivated swine influenza virus, Science, 101, 544-546
- McLean, I.W., Jr., Beard, D., Taylor, A.R., Sharp, D.G. & Beard, J.W. (1945) The relation of antibody response in swine to doses of the swine influenza virus inactivated with formalin and with ultraviolet light, J. Immunol., 51, 65-99

- McLean, I.W., Jr., Beard, D., Taylor, A.R., Sharp, D.G. & Beard, J.W. (1945) Antibody response of swine to repeated vaccination with formalin-inactivated purified swine influenza virus, Proc. Soc. exp. Biol., N.Y., 60, 152-159
- McLean, I.W., Jr., Beard, D., Taylor, A.R., Sharp, D.G. & Beard, J.W. (1945) Antibody response of swine to vaccination with formalized swine influenza virus adsorbed on alum, Proc. Soc. exp. Biol., N.Y., 60, 358-362
- Mote, J.R. & Fothergill, LeR.D. (1940) The effect of human strains of hemophilus influenzae on influenza virus infection of swine, J. Bact., 40, 505-516
- Rickard, E.R., Thigpen, M.P. & Adams, J.M. (1945) Antibody response to strains of influenza A and swine influenza viruses in the serums of infants experiencing their first infection with influenza A, J. infect. Dis., 76, 203-207
- Shope, R.E. (1941) The swine lungworm as a reservoir and intermediate host for swine influenza virus. I. The presence of swine influenza virus in healthy and susceptible pigs. II. The transmission of swine influenza virus by the swine lungworm, J. exp. Med., 74, 41-47 & 49-68
- Shope, R.E. (1943) The swine lungworm as a reservoir and intermediate host for swine influenza virus. III. Factors influencing transmission of the virus and the provocation of influenza. IV. The demonstration of masked swine influenza virus in lungworm larvae and swine under natural conditions, J. exp. Med., 77, 111-126 & 127-138
- Young, G.A., Jr. & Underdahl, N.R. (1949) Swine influenza as a possible factor in suckling pig mortalities. I. Seasonal occurrence in adult swine as indicated by hemagglutinin inhibitors in serum. II. Colostral transfer of hemagglutinin inhibitors for swine influenza virus from dam to offspring, Cornell Vet., 39, 105-119 & 120-128

1950-1954

- Blakemore, F. (1952) Swine influenza, Rep. XIVth Int. vet. Congr., 2, 472-477, (Index vet., 1952, 20, no. 1, p.62)
- Gompels, A.E.H. (1953) Antigenic relationships of swine influenza virus, J. gen. Microbiol., 9, 140-148

- Gulrajani, T.S. (1951) Studies on respiratory diseases of pigs. I. Modified haemagglutination-inhibition technique for titration of influenzal antibodies in pig and ferret sera. II. Antibody response to adjuvant vaccine against swine influenza. III. Persistence of influenza viruses in the respiratory tract, J. comp. Path., 61, 48-59, 60-70 & 101-117
- Harnach, R. (1953) Swine influenza, Veterinarstvi, (Brno) 3, 98-99
- Harnach, R. (1953) Control of swine influenza, Veterinarstvi (Brno) 3, 178-180
- Harnach, R., Hubik, R., Chvatal, O. (1950) Isolation of the virus of swine influenza in Czechoslovakia, Cas. csl. Vet., 5, 289 (Vet. Bull., 1951, 21, abstr. no. 83)
- Hars, E. (1951) L'influenza du porc en France. Recherches experimentales, Bull. Acad. vét. Fr., 24, 233-238
- Hjärre, A., Bakos, K. (1950) Experimentelle Untersuchungen über Schweineinfluenza in Schweden, Mh. Vet.-Med., 5, 174-178
- Hjärre, A., Bakos, K., & Norberg, B.K. (1952) Experimental investigation into swine influenza in Sweden with special regard to the etiological importance of haemoglobinophilic bacteria, Rep. XIVth Int. vet. Congr., 2, 465-471 (Index vet., 1952, 20, no. 1, p.62)
- Hjärre, A., Dinter, Z. & Bakos, K. (1954) Über Züchtungsversuche mit dem Schweineinfluenzavirus (Shope) und dem Virus der enzootischen Schweinepneumonie in vitro, Nord. Vet. Med., 6, 919-935
- Hayder, R. (1951) Studies on the course of swine influenza epizooty in the State Agricultural Farms in Pomerania in the years 1948/1949, Ann. Univ. Lublin, sect. DD, 6, 63-96
- Howell, W.E., Winters, L.M. & Young, G.A. (1953) Prenatal and early postnatal survival in the mouse as affected by infection of the mother with swine influenza virus during gestation, J. Immunol., 71, 280-283
- Hubik, R. (1952) Isolation and study of swine influenza viruses, Spisy. vys. Sk. vet., (Brno), 21, no. 199, 1-17 (Vet. Bull., 1954, 24, Abstr. no. 95)
- Kadziolka, A. (1953) Histological picture of the respiratory tract in cases of swine influenza, Ann. Univ.-M.-Curie. Skolodowska, Sect. DD, 8, 221-258 (Index vet., 1955, 23, no. 1, p. 80)

- Kadziolka, A. (1953) Histology of the respiratory system in swine influenza, Méd. vét., (Varsovie), 9, 163-168, (Index vet., 1953, 21, no. 3, p. 105)
- Müller, H. (1954) Observations on swine influenza, Prakt. Tierärztl., no. 5, 115-116
- Parnas, J. (1952) A study of swine influenza in government farms in Poland, Arch. exp. vet.-Med., 6, Suppl., 93-96
- Payzin, S. (1953) Antibodies against swine influenza in the sera of Turkish people where there are no contacts with swine population, Proc. Vith Congr. int. Microbiol., Rome, 1, 551-552, (Vet. Bull., 1954, Abstr. no. 2713)
- Shope, R.E. (1951) The provocation of masked swine influenza virus by infection with human influenza virus, T. Diergeneesk., 76, 414-420
- Young, G.A., Jr. (1950) Influenza in swine, Vet. Med., 45, 141-146
- Young, G.A., Jr. & Underdahl, N.R. (1950) Neutralization and hemagglutination inhibition of swine influenza virus by serum from suckling swine and by milk from their dams, J. Immunol., 65, 369-373
- Young, G.A., Jr. & Underdahl, N.R. (1950) Swine influenza as a possible factor in suckling pig mortalities. III. Effect of live virus vaccination of the dam against swine influenza on suckling pig mortalities. IV. Relationship of passive swine influenzal immunity in suckling pigs to rate of weight gain, Cornell Vet., 40, 24-33 & 201-205
- Young, G.A., Jr. & Underdahl, N.R. (1951) Incidence of influenza in swine as shown by hemagglutination inhibition seral titers, Proc. 88th Ann. Meet. Amer. vet. med. Ass., Milwaukee, 164-169, (Vet. Bull, 1952, 22, Abstr. 3366)

1955-1959

- Aaver, E. (1959) Diagnosis of swine influenza: results of serological tests in Estonia, Sborn. nauch. Trud. Eston. Inst. Zhivotnovod. i vet., 3, 171-182 (Index vet., 1963, 31, no. 1, p. 81)
- Bakos, K. (1957) The cytopathogenicity of two different strains of swine influenza virus, Nord. vet.-Med., 9, 369-372
- Cerny, L. & Jelinek, V. (1959) Demonstration of influenza virus and absence of antibodies in pigs with respiratory infections, Sb. csl. Akad. zemed. Ved. Vet. Med., 3, 45-54, (Index vet., 1959, 27, no. 1, p. 74)

- Dvorak, M. (1958) Prophylactic effect of iron in anaemia of piglets infected with swine influenza, Sb. vys. Sk. zemed. les. (Brno) Ser. B., 6, 33-53, (Index vet., 1958, 26, no. 2, p. 71)
- Harnach, R. (1955) Immunology and prophylaxis in swine influenza, Méd. vét. (Varsovie) 11, 261-265
- Harnach, R. (1958) Immunization trials in enzootic porcine bronchopneumonia (swine influenza) Sb. csl. Akad. zemed. Ved., 3, 1-12, (Vet. Bull., 1959, 29, Abstr. 1780)
- Harnach, R. (1959) Immunology in swine influenza and other inflammatory respiratory conditions in pigs, Sb.csl. Akad. zemed. Ved. vet. Med., 4, 769-776, (Index vet. 1960, 28, no. 1, p. 77)
- Jensen, K.E. & Peterson, W.D., Jr. (1957) Comparative measurements of antigenic differences among human and swine influenza viruses, J. Immunol., 78, 365-372
- Jirku, L. (1958) Immunization of pigs against swine influenza with adsorbed virus and BVE 67 vaccine, Sb. csl. Akad. zemed. Ved., 3, 869-876, (Vet. Bull., 1959, 29, Abstr. 1781)
- Marek, J. (1958) A phenolized adsorbed swine influenza vaccine, Sb. csl. Akad. zemed. Ved., 3, 217-228, (Vet. Bull., 1959, 29, Abstr. 1782)
- Mensik, J. (1959) Intra-uterine infection and persistence of swine influenza virus in the organism of infected piglets and sows, Sb. csl. Akad. zemed. Ved. vet. Med., 4, 797-806, (Vet. Bull., 1960, 30, Abstr. 2205)
- Mensik, J., Cerny, L. & Zeman, J. (1957) Intra-uterine transmission of swine influenza, Vet. Cas., 6, 455-465
- Mesaros, E. & Varejka, F. (1958) Use of gamma-globulin combined with vitamin B in swine influenza, Sb. vys. Sk. zemed. les. Brno, Ser. B., 7 (28), 115-124, (Vet. Bull., 1958, 28, Abstr. 3965)
- Nelson, M. & Lewis, F.A. (1958) A relationship between swine and Asian strains of influenza virus, Aust. J. exp. Biol. med. Sci., 36, 505-510
- Nitzschke, E. (1956) Untersuchungen über die Komplementbindungs- und Komplementbindungs-Hemmungs-Reaktion mit Hühner - Immunseren gegen die Viren der atypischen und der klassischen Geflügelpest sowie der Schweine-Influenza, Zbl. Vet.-Med., 3, 75-87

- Palec, V. (1959) Immunity to swine influenza produced by formalized adsorbed vaccine. Sb. csł. Akad. zemed. Ved. vet. Med., 4, 153-162, (Index vet., 1959, 27, no. 2, p. 79)
- Patocka, F., Schreiber, E., Kubelka, V., Korb, J., John, C. & Schön, E. (1958) An attempt to transmit the human influenza virus strain A-Sing 57 to swine (preliminary report), J. Hyg. Epidem., (Prague) 2, 9-15
- Pivnik, L., Mesaros, E. & Varejka, F. (1958) Differential diagnosis of diseases of the central nervous system in pigs. III. Simultaneous infection with Erysipelothrix monocytogenes and Shope-type influenza virus in pigs and wild rats, Sb. Akad. csł. zemed. Ved., 3, 161-178, (Vet. Bull., 1959, 29, Abstr. 1779)
- Rosocha, J. & Neubert, J. (1956) Isolation of swine influenza virus from rats and a study of its characteristics, Folia vet., (Kosice) 1, 179-189
- Sackmann, W. (1955) Über die Züchtung und Zytopathogenität des Schweineinfluenza virus (SIV) in der Hühnergewebekultur, Arch. ges. Virusforsch., 6, 210-215
- Scott, G.R. (1957) Notes on animal diseases. XI. Virus diseases of pigs, E. Afr. agric. J., 22, 168-174, (Vet. Bull., 1958, 28, Abstr. 128)
- Shope, R.E. (1955) The swine lungworm as a reservoir and intermediate host for swine influenza virus. V. Provocation of swine influenza by exposure of prepared swine to adverse weather, J. exp. Med., 102, 567-572
- Sokol, A. & Vasil, M. (1956) Experimental study of maternal transfer of swine influenza haemagglutination-inhibiting antibodies and their behaviour in piglets, Folia Vet., (Kosice), 1, 81-87
- Underdahl, N.R. (1958) The effect of Ascaris suum migration on the severity of swine influenza, J. Amer. vet. med. Ass., 133, 380-383
- Urman, H.K., Underdahl, N.R. & Young, G.A. (1958) Comparative histopathology of experimental swine influenza and virus pneumonia of pigs in disease-free, antibody-devoid pigs, Amer. J. vet. Res., 19, 913-917
- Valentin, F. (1957) Diagnosis of swine influenza in France, Bull. Soc. Sci. vét., Lyon, 58 & 59, 529-536
- Varejka, F. (1958) Role of rodents as carriers of swine influenza, Veterinarstvi, 8, 89-90
- Varejka, F. (1959) Serological diagnosis of swine influenza and selection of complement fixation antigens, Sb. csł. Akad. zemed. Ved. vet. Med., 4, 815-820 (Index vet., 1960, 28, no. 1, p. 77)

- Vasil, M. (1958) Prophylaxis and treatment of swine influenza, Veterinarstvi, 8, 362-365
- Vasil, M. & Pacenovsky, J. (1956) Comparative study of two swine influenza viruses isolated in Slovakia, Sb. csl. Akad. zemed. Ved. Vet. Med., 29, 629-638, (Index vet., 1957, 25, no. 4, p. 68)
- Wallace, G.D. & Kissling, R.E. (1959) Studies in swine of Asian influenza virus. Bull. World Hlth. Org., 20, 455-463
- Woese, C.R. (1956) Heat inactivation studies on animal viruses. I. The inactivation of virus hemagglutinin (Swine influenza and Newcastle disease), Arch. Biochem., 63, 212-220
- Young, G.A. & Underdahl, N.R. (1955) An evaluation of influenza in midwestern swine, Amer. J. Vet. Res., 16, 545-552

1960-1963

- Akao, Y. (1961) Myxovirus infections among pigs: HVJ, HA-2, and swine influenza virus infections, Jap. J. vet. Sci., 23, Suppl., 408, (Index vet., 1962, 30, no. 2, p. 87)
- Gois, M., Mensik, J., Davidova, M., Mesaros, E. & Jurmanova, K. (1963) Attempt to standardize techniques used in isolating influenza virus from pig lungs, Acta virol., (Prague), 7, 455, 464
- Harnach, R. & Mesaros, E. (1960) Immunology and prophylaxis of enzootic broncho-pneumonia (influenza) in pigs, Ved. Prace Ustavu vet. Brno, 1, 61-78, (Vet. Bull., 1961, 31, Abstr. 2190)
- Hoosier, G.L. van (1962) Serological characteristics of some 1960 strains of swine influenza virus, Bull. World Hlth. Org., 26, 304-305
- Kammer, H. (1961) Studies on the occult virus swine influenza. Dissertation, Wisconsin, pp. 64, Abstr. in Diss. Abstr. 21, 2859 (1961), (Index vet., 1961, 29, no. 4, p. 83)
- Kammer, H. & Hanson, R.P. (1962) Studies on the transmission of swine influenza virus with Metastrogylus species in specific pathogen-free swine, J. Infect. Dis., 110, 99-102

- Kammer, H. & Hanson, R.P. (1962) The invitro association of swine influenza virus with *Metastrongylus* species, J. infect. Dis., 110, 103-106
- Lehmann-Grube, F. (1963) Influenza viruses in cell cultures. I. Preparation and use of fetal pig lung cells for quantal assay, Arch. ges. Virusforsch., 14, 1-14
- Mensik, J. (1960) Influence of microclimate on the course of experimental piglet influenza, Ved. Prace Ustavu vet. Brno., 1, 99-111 (Vet.Bull. 1961, 31, Abstr.1810)
- Mensik, J. (1960) Extra-respiratory demonstration of influenza virus in piglets. A. In pericardium and pericardial exudate, Ved. Prace Ustavu vet. Brno., 1, 113-132, (Vet. Bull., 1961, 31, Abstr. 1811)
- Mensik, J. (1960) Production and behaviour of swine influenza antibodies. I. Influence of colostral antibodies on immunity in piglets during early life, Sb. cs1. Akad. zemed. Ved. vet. Med., 5, 599-610, (Vet. Bull., 1961, 31, Abstr. 127)
- Mensik, J. (1962) Experimental infection of pregnant sows with swine influenza virus. I. Proof of virus in placental tissue and in organs of new-born piglets, Ved. Prace Ustavu vet. Brno., 2, 31-47, (Vet. Bull., 1964, 34, abstr. no. 173)
- Mensik, J. & Veznikova, D. (1962) Experimental infection of pregnant sows with swine influenza virus. II. Course of infection in unweaned piglets, Ved. Prace Ustavu vet. Brno., 2, 49-68, (Vet. Bull., 1964, 34, abstr. no. 174)
- Mensik, J., Veznikova, D. & Zeman, J. (1960) Isolation of a haemagglutinating virus from the central nervous system of piglets with a nervous form of influenza, Sb. cs1, Akad. zemed. Ved. vet. Med., 5, 611-624 (Vet.Bull. 1961, 31, Abstr. 126)
- Osidge, D.F. & Syurin, V.N. (1962) Cultivation of swine influenza virus in bovine foetal kidney cells, Veterinariya, Moscow, 39, No. 12, 58-61
- Pehl, K.-H. (1960) Swine influenza and its prevention, S.B. Dtsch. Akad. Landt Wiss., 9, no. 4, pp 21, (Index vet., 1961, 29, no. 1, p. 79)
- Pehl, K.-H. & Berndorf, E. (1963) Identification of German piglet influenza strains. I. Incidence of swine influenza and swine influenza-like viruses in German Piggeries, Arch. exp. Vet.-Med., 17, 937-955
- Peterson, W.D., Jr. (1960) A study in vitro of components in the transmission cycle of swine influenza virus, Fed. Proc., 19, no. 1, Part 1, 409

- Peterson, W.D., Davenport, F.M. & Francis, T., Jr. (1961) A study in vitro of components in the transmission cycle of swine influenza virus. J. exp. Med., 114, 1023-1033
- Philip, R.N. & Lackman, D.B. (1962) Observations on the present distributions of influenza A/swine antibodies among Alaskan natives relative to the occurrence of influenza in 1918-1919, Amer. J. Hyg., 75, 322-334
- Popovici, I., Wynohradnyk, V., Berbinschi, C., Feteanu, A. & Schuler, G. (1960) A severe outbreak of Aujeszky's disease associated with influenza virus in pigs, Probl. Epiz. vet., Bucuresti, no. 9, 37-45
- Prokopov, I.P. (1962) Control of swine influenza, Veterinariya, Moscow, 39, no. 11, 44-46
- Romvary, J., Takatsy, G., Barb, K. & Farkas, E. (1962) Isolation of influenza virus strains from animals, Nature (Lond.), 193, 907-908
- Rosocha, J., Tomka, J. & Beno, V. (1962) Infectivity of swine influenza virus in aerosol. I. Study in weaners under unfavourable microclimatic conditions, Folia vet. (Kosice), 6, 151-160
- Schreier, C. (1961) Adsorption isotherms for inhibition of haemagglutination by Shope's swine influenza and human influenza viruses, Zbl. Bakt. I. (Orig.) 182, 443-458
- Sen, H.G., Underdahl, N.R. & Young, G.A. (1961) Transmission of swine influenza virus by lungworm migration, J. exp. Med., 113, 517-520
- Styk, B., Mensik, J., Sterzl, J., Hana, L. & Borecky, L. (1962) Cofactor and specific antibodies against influenza viruses. VI. The relationship of cofactor to the so-called natural antibodies as revealed by a study of sera from newborn piglets, Acta Virol., (Prague), 6, 519-523
- Syurin, V.N., Osidze, D.F. & Panteleev, Y.V. (1962) Problems of influenza and influenza-like diseases of pigs, Vestnik. sel'skokhoz. Nauki, Mosk., no. 12, 58-62, (Index vet., 1963, 31, no. 1, p. 81)
- Veznikova, D. & Mensik, J. (1962) Some biological properties of swine influenza virus strains isolated in 1957-1960, Ved. Prace Ustavu vet., (Brno), 2, 69-82, (Vet. Bull., 1964, 34, Abstr. 175)
- Young, G.A., Underdahl, N.R. & Kelley, G.W. (1961) Keucinamidase activity associated with influenza-parasite complexes in pigs, Proc. Soc. exp. Biol., N.Y., 106 592-594

Zuffa, A., Skoda, R. & Pokorna, J. (1961) Occurrence of swine influenza (Shope) in Western Slovakia, Vet. Cas., 10, 237-247

1964-1967

Antoniadis, G.I. (1964) Experiences gained by comparing the electrophoretic method with the Hirst test for the determination of specific antibodies against influenza virus A/swine (Shope), Zbl. Bakt., L. Abt., Orig., 192, 265-273

Blaskovic, D., Szanto, J., Albrecht, P., Sadecky, E. & Lackovic, V. (1964) Demonstration of swine influenza virus in pigs by the fluorescent antibody method, Acta virol. (Prague), 8, 401-409

Davydov, K.R. (1966) Identification of swine influenza virus strains, Veterinariya, Moscow, 43, no. 4, 19-21

Davydov, K.R. (1966) Immunobiological properties of a strain of swine influenza virus passaged in skin-muscle tissue of chick embryos, Trudy nauchno-kontrol. Inst. vet. Preparatov, 13, 87-93, (Vet. Bull., 1967, 37, Abstr. no. 1656)

Hintermann, J. (1965) Pneumo-enteritis, influenza and virus pneumonia of pigs, Schweiz. Arch. Tierheilk., 107, 22-43

Hradil, M. & Mensik, J. (1964) Eradication of influenza in piglets, Veterinarstvi, 14, 85-87

Lehmann-Grube, F. (1964) Influenza viruses in cell cultures. II. Use of calf kidney cells for quantal assay, Arch. ges. Virusforsch., 14, 177-188

Mensik, J. (1964) Economic importance of swine influenza as a growth-retarding factor, Veterinarstvi, 14, 97-101

Mensik, J. (1964) Formation of antibodies in swine influenza. III. Colostral immunity and inhibition of antibody formation, Ved. Prace Ustavu vet. (Brno), 3, 141-149

Mensik, J. & Zernicek, D. (1964) Formation of antibodies in swine influenza. II. The early postnatal period, Ved. Prace Ustavu vet. (Brno), 3, 133-140

Nayak, D.P., Kelley, G.W. & Underdahl, N.R. (1964) Progressive development in influenza virus infection in pathogen-free pigs using fluorescein labelled antibody, Bact. Proc. p. 137, (Index Vet., 1964, 32, no. 3, p. 87)

- Nayak, D.P., Kelley, G.W. & Underdahl, N.R. (1964) The enhancing effect of swine lungworms on swine influenza infections, Cornell Vet., 54, 160-175
- Nayak, D.P., Twiehaus, M.J., Kelley, G.W., & Underdahl, N.R. (1965) Immunocytologic and histopathologic development of experimental swine influenza infection in pigs, Amer. J. vet. Res., 26, 1271-1283
- Osidge, D.F. (1964) Virological and serological study of swine influenza, Veterinariya, Moscow, 41, No. 1, 19-21
- Osidge, D.F. (1964) I. Rhinocytoscopy in swine influenza. II. Susceptibility of some cultured tissues to the virus of swine influenza, Vopr. vet. Virus, 1, 453-458 & 459-467
- Pleva, V. & Veznikova, D. (1964) Effect of swine influenza virus on the cells of various cultured tissues, Ved. Prace Ustavu vet., (Brno), 3, 209-217, (Vet. Bull., 1964, 34, abstr. no. 4496)
- Pivnik, L. & Cerna, J. (1964) The relation between influenza, stunted growth and morphological changes in the central nervous system and endocrine glands of young pigs, Ved. Prace Ustavu vet. (Brno), 3, 191-197, (Index Vet., 1964, 32, no. 3, p. 87)
- Robinson, F.R., Moore, R.W., & Redmond, H.E. (1967) Immunofluorescence studies of *Mycoplasma hyoarthrinosa* infection in swine, Amer. J. vet. Res., 28, 141-147
- Romvary, J., Farkas, E., & Takatsy, J. (1966) Serum antibodies to influenza viruses in swine stocks and Norway rats, VIII<sup>e</sup> Congrès international de pathologie comparée, Beyrouth, (Liban) 7-22 septembre 1966, Tome II, "La grippe", 201-208
- Skarda, R. & Mensik, J. (1964) Effect of swine influenza virus on chick embryos, Ved. Prace Ustavu vet., (Brno), 3, 263-267, (Index Vet., 1964, 32, no. 3, p.87)
- Topciu, V., Diosi, P. & Nevinglovshi, O. (1965) Investigations on the distribution of hemagglutination-inhibition antibodies to swine influenza virus in human sera, Rev. roum. d'Inframicrobiol., 2, 369-372
- Veznikova, D. (1964) Adaptation of swine influenza virus to pig kidney tissue culture, Ved. Prace Ustavu vet. Brno, 3; 277-282, (Vet. Bull. 1964, 34, Abstr. 4498)
- Woods, G.T. (1964) Reported outbreaks of swine influenza in Illinois (1955-60), Vet. Med. & Small Anim. Clin., 59, 303-304

HORSES  
CHEVAUX

1874-1950

Anon (1935) Discussion of influenza in man and animals, Proc. roy. Soc. Med., 28, 941-950

Jones, T.C. & Maurer, F.D. (1942) Neutralization studies of the viruses of influenza A, influenza B and swine influenza with equine influenza convalescent serums, Amer. J. vet. Res., 3, 179-182

Judson, A.B. (1874) Report on the origin and progress of the epizootic among horses in 1872, with a table of mortality in New York, Veterinarian, Lond., 47, (New Series 20), 494-521; 588-605

1950-1959

Anon (1958) Modified viral vaccine for equine respiratory infection, J. Amer. vet. med. Ass., 133, 197

Bartha, A., Feher, D. & Palyusik, M. (1959) An attempt to impart immunity against catarrhal equine influenza by means of the live virus, Acta vet. Acad. Sci. Hung., 9, 355-359

Bartha, A. & Vizy, L. (1959) Preparation of the complement-fixing antigen of equine influenza virus, Acta vet. Acad. Sci. Hung., 9, 429-431

Byrne, R.J., Quan, A.L. & Kaschula, V.R. (1958) Responses of horses to a neurotropic strain of equine influenza virus, Amer. J. vet. Res., 19, 655-660

Fiserova-Sovinova, O. & Sova, Z. (1959) Aetiology of respiratory virus diseases in horses up to recently included in the influenza syndrome. A review, Veterinarstvi, 9, 128-130

Heller, L., Espmark, A. & Viriden, P. (1956) Immunological relationship between infectious cough in horses and human influenza A. Arch. ges. Virusforsch., 7, 120-124

Hrnjak, D. & Tomas, B. (1956) Equine influenza in a remount unit in Skoplje, Southern Yugoslavia, Vet. Glas., 10, 103-108

- Kaschula, V.R., Beaudette, F.R. & Byrne, R.J. (1957) The adaptation of equine influenza virus to infant mice by the intra-cerebral route, Cornell Vet., 47, 127-143
- Schulze, W. & Hiepe, Th. (1957) Beitrag zur Pferdegrippe (ansteckender Katarrh der Luftwege), Mschr. vet. Med., 12, 344-347
- Sovinova, O. & Ludvik, J. (1958) Electron microscopy of the virus A-equi Praha/56, Cs. Epidem., 7, 6-8
- Sovinova, O. & Ludvik, J. (1959) Electron microscopic study of the influenza virus A-equi Praha/56, Acta virol., (Prague), 3, 59-60
- Sovinova, O., Tumova, B., Pouska, F. & Nemeč, J. (1958) Isolation of virus causing respiratory disease in horses, Acta virol., (Prague), 2, 52-61
- Tumova, B. & Fiserova-Sovinova, O. (1959) Properties of influenza viruses A/Asia/57 and A-equi/Praha/56. I. Agglutination of red blood cells, Bull. World Hlth. Org., 20, 445-454
- Versteeg, J., Mouton, R.P. & Verlinde, J.D. (1958) Suspected Asian influenza in horses, Diergeneesk., 83, 608-613
- Zeller, R. (1959) Side effect of antibiotic treatment in equine influenza, Proc. XVith Int. vet. Congr., Madrid, 2, 215-217, (Index Vet., 1959, 27, no. 2, p. 79)
- 1960-1963
- Anon. (1963) The 1963 equine influenza epizootic, J. Amer. vet. med. Ass., 143, 1108-1110
- Berlin, B.S., McQueen, J.L., Minuse, E. & Davenport, F.M. (1963) A method for increasing the sensitivity of the hemagglutination-inhibition test with equine influenza virus, Virology, 21, 665-666
- Böhm, H.O. & Straub, O.C. (1963) Viral aetiology of "Hoppegartener cough" in horses, Proc. 17th World Vet. Congr. Hannover, 1, 451-454
- Cateigne, G., Fontaine, M., Benazet, P. & Brion, A. (1963) Types of infectious bronchitis of horses. Serological diagnosis of equine influenza, Bull. Acad. vét. Fr., 36, 399-401

- Cohen, A. & Biddle, F. (1963) Haemagglutination Inhibition: interaction of influenza viruses with horse serum inhibitor, Nature (London) 198, 508-509
- Doll, E.R. (1961) Influenza of horses, Amer. Rev. respir. Dis., 83, 48-50.  
Discussion pp. 50-53
- Domracheva, Z.V. (1961) Outbreak of A-2 influenza among human beings and horses, Microbiol. Moscow, no. 7, 31-36, (Vet. Bull., 1962, 32, Abstr. 434)
- Fleming, R.D. (1963) Human virus vaccine effective against equine influenza, Vet. Med., 58, 893
- Geft, R.A. & Polyak, R. Ya. (1963) Removal of thermostable inhibitors against A2 influenza virus from immune horse sera by rivanol, Acta virol., 7, 91
- Krizanova-Laucikova, O., Szanto, J., Kociskova, D., Ruttkay-Nedecky, G. & Sokol, F. (1961) Differences in the properties of two inhibitors against avid A2 influenza virus strains from horse serum, Acta virol. Prague, 5, 12-18, (Index Vet., 1961, 29, no. 1, p. 79)
- Krizanova-Laucikova, O., Szanto, J., Kociskova, D., Ruttkay-Nedecky, G. & Sokol, F. (1961) Presence in horse serum of two inhibitors of avid A2 influenza virus strains, Nature, 189, 513
- Marcis, P., Pavilanis, V., Boudreault, A. & Di Franco, E. (1963) An outbreak of type A2 influenza among horses, Canad. J. comp. Med., 27, 257-260
- Schaeffer, M. & Robinson, R.C. (1961) Influenza in swine and horses, Amer. Rev. respir. Dis., 83, 47
- Somma, R.E., Vallone, E.R., Tosi, H., Giambruno, E., Infantozzi, J.M. & Salsamendi, R. (1964) Experimental study with the influenza virus A/equi/Uruguay 540-1963, Publ. trimest. Centro invest. Vet. "Miguel C. Rubino", 2, No. 1/2, 5-11
- Stakhanova, V.M. (1960) Respiratory viruses of horses, pigs and ducks and their relationship to human influenza virus, Vop. Virus, 5, 568-572
- Waddell, G.H., Teigland, M.B. & Sigel, M.M. (1963) A new influenza virus associated with equine respiratory disease, J. Amer. vet. med. Ass., 143, 587-590
- Wagner, R.R. (1963) Biological studies of interferon. II. Temporal relationships of virus and interferon production by cells infected with Eastern equine encephalomyelitis and influenza viruses, Virology, 19, 215-224
- Woyciechowska, S. & Grzelakowa, A. (1963) Influenza virus type A2 antibodies in the serum of horses in Poland, Proc. 17th World Vet. Congr., Hanover, 1, 545-548

1964-1965

- Beveridge, W.I.B. (1965) Some topical comments on influenza in horses, Vet. Rec., 77, 427-428
- Beveridge, W.I.B., Mahaffey, L.W. & Rose, M.A. (1965) Influenza in horses, Vet. Rec., 77, 57-59
- Böhm, H.O. (1965) Die Pferdeinfluenza, Dtsch. tierärztl. Wschr., 72, 512-514
- Brander, G.C., Street, B.K. & Mann, G. (1965) Equine influenza virus vaccine, Vet. Rec., 77, 548-549
- Brion, A., Fontaine, M., Cateigne, G. & Benazet, P. (1964) La Grippe du cheval. Enquêtes sérologiques dans des effectifs équins de la région parisienne, Rec. Méd. vét., 140, 5-21
- Cohen, A., Biddle, F. & Newland, S.E. (1965) Analysis of horse serum inhibitors of A2 influenza virus haemagglutination, Brit. J. exp. Path., 46, 497-513
- Davenport, F.M., Hennessy, A.V., & Minuse, E. (1965) Serologic epidemiology of human infection with equine like influenza viruses, J. Lab. Clin. Med., 66, 864-865
- Ditchfield, J., Macpherson, L.W. & Zbitnew, A. (1965) Upper respiratory disease in thoroughbred horses: studies of its viral etiology in the Toronto area, 1960 to 1963, Canad. J. comp. Med., 29, 18-22
- Dowdle, W.R., Yarbrough, W.B. & Robinson, R.Q. (1964) U.S. epizootic of equine influenza, 1963: etiology, Publ. Hlth. Rep., Wash., 79, 398-402
- Erasmus, B.J., (1965) Viruses as etiological agents in equine respiratory disease, J.S. Afr. vet. med. Ass., 36, 209-216
- Espmark, J.A. & Salenstedt, C.-R. (1964) Outbreaks of equine influenza A in Sweden in 1960, Nord. Vet. Med., 16, 910-921
- Kasel, J.A., Alford, R.H., Knight, V., Waddell, G.H. & Sigel, M.M. (1965) Experimental infection of human volunteers with equine influenza virus, Nature, Lond., 206, 41-43
- Lief, F.S. & Cohen, D. (1965) Equine influenza. Studies of the virus and of antibody patterns in convalescent, interepidemic and postvaccination sera, Amer. J. Epidem., 82, 225-246

- Manjrekar, S.L., Gorhe, D.S. & Paranjape, V.L. (1965) Observations on the coughing outbreak, "Newmarket cough", in the race horses in Bombay, Indian vet. J., 42, 461-464
- Miller, W.C. (1965) Equine influenza: further observations on the "coughing" outbreak, 1965, Vet. Rec., 77, 455-456
- Minuse, E., McQueen, J.L., Davenport, F.M. & Francis, T., Jr. (1965) Studies of antibodies to 1956 and 1963 equine influenza viruses in horses and man, J. Immunol., 94, 563-566
- Romvary, J., Takatsy, G. & Farkas, E. (1965) Serological evidence of the incidence of influenza equine A1 virus infections among horses in Hungary, Acta microbiol. Acad. Sci. Hung., 12, 289-294
- Scholtens, R.G. & Steele, J.H. (1964) U.S. epizootic of equine influenza, 1963: epizootiology, Publ. Hlth. Rep., Wash., 79, 393-398
- Somma-Moreira, R.E., Tosi, H.C. & Vallone, E.F. (1964) Enzymatic behaviour of the horse influenza virus: A/Equi/Uruguay/540/1963, An. Fac. Med. Univ. Montevideo, 49, 432-435, (Index Vet., 1966, 34, no. 1, p. 99)
- Somma-Moreira, R.E., Tosi, H.C. & Vallone, E.F. (1964) Evolution of the antibodies curve in animals inoculated with the horse influenza virus A/Equi/Uruguay/540/1963, An. Fac. Med. Univ. Repub. Montevideo, 49, 436-439, (Biol. Abstr., 1965, 22, abstr. 99375)
- Somma-Moreira, R.E., Vallone, E.F., & Tosi, H.C. (1964) The influenza virus A/equi/Uruguay/540/1963. I. Agglutination of erythrocytes from various animals, Publ. Trimest. Centro. invest. Vet. "Miguel C. Rubino", 2, No. 1/2, 16-20, (Vet. Bull., 1966, 36, Abstr. 159)
- Special Report (1963) The 1963 Equine Influenza Epizootic, J. Amer. vet. Med. Ass., 143, 1108-1110
- Vallone, E.F., Somma-Moreira, R.E. & Tosi, H.C. (1964) Isolation of influenza virus A/equi/Uruguay/540/1963 direct from the blood of a sick horse, Publ. trimest. Centro invest. Vet. "Miguel C. Rubino", 2, 12-15, (Vet. Bull., 1966, 36, Abstr. 158)
- Wilson, J.C., Bryans, J.T. & Doll, E.R. (1965) Recovery of influenza virus from horses in the influenza epizootic of 1963, Amer. J. vet. Res., 26, 1466-1468

1966-1967

- Biddle, F. & Stevenson, J.P. (1966) Flocculation of influenza viruses by horse serum inhibitor, Nature, Lond., 209, 1223-1225
- Blaskovic, D., Szanto, J., Kapitancik, J., Lesso, V., Lackovic, V. & Skarda, R. (1966) Experimental pathogenesis of A/Equi 1 Influenza virus infection in horses, Acta virol., 10, 513-520
- Boer, G.F. de (1967) Influenza in horses T.Diergeneesk., 92, 494-500
- Böhm, H.O. & Zeller, R. (1966) Isolation of influenza virus from contagious coughing of horses in Germany, Berl. Münch. tierärztl. Wschr., 79, 201-205
- Brion, A., Fontaine, M., Fontaine, M.P. & Morailion, R. (1966) Equine influenza. Outbreaks in France during 1965, Rec. Méd. vét., 142, 269-279
- Bryans, J.T., Doll, E.R., Wilson, J.C., & McCollum, W.H. (1966) Immunization for equine influenza, J. Amer. vet. med. Ass., 148, 413-417
- Bryans, J.T., Doll, E.R., Wilson, J.C. & Zent, W.W. (1967) Epizootiologic features of disease caused by Myxovirus influenza A equine, Amer. J. vet. Res., 28, 9-17
- Bryans, J.T., Zent, W.W., Grunert, R.R. & Boughton, D.C. (1966) 1-Adamantanamine hydrochloride prophylaxis for experimentally induced A/Equine 2 influenza virus infection, Nature, Lond., 212, 1542-1544
- Cameron, T.P., Alford, R.H., Kasel, J.A., Harvey, E.W., Byrne, R.J. & Knight, V. (1967) Experimental equine influenza in Chintheague ponies, Proc. Soc. exp. Biol. Med., 124, 510-515
- Cateigne, G. (1966) Inhibiteurs sériques non spécifiques de l'hémagglutination des virus de la grippe humains. Relations éventuelles entre les virus grippaux humains, porcins et équins, VIIIe Congrès international de pathologie comparée, Beyrouth (Liban) 7-22 Septembre 1966, Tome II, "La grippe", 9-61
- Ceccarelli, A. & Tassi, P. (1966) Indagini sulla influenza equina in qualche provincia dell'Italia centrale, Zooprofilassi, 21, 529-536
- Ceccarelli, A. & Tassi, P. (1967) Identificazione di due stipti di virus influenzali equini isolati in Italia, Zooprofilassi, 22, 91-99

- Cottereau, Ph., Proy, J.-C., Petermann, G. & Fontaine, J. (1966) Contribution à l'étude du diagnostic de la grippe équine, VIIIe Congrès international de pathologie comparée, Beyrouth (Liban) 7-22 septembre 1966, Tome II, "La grippe", 153-173
- Gerber, H. (1966) Equine influenza. Comparison of viruses affecting the respiratory tract of horses, Schweiz. Arch. Tierheilk., 108, 167-187
- Gerber, H. (1966) Influenza A/equi-2 in der Schweiz 1965. III. Symptomatologie. (3) Zbl. Vet. Med., 13, 528-538
- Gerber, H., Bürki, F., Löhner, J. & Paccaud, M.F. (1966) Influenza A/equi-2 in der Schweiz 1965. II. Epizootologie, Zbl. Vet.Med., 13, 427-437
- Gerber, H. & Löhner, J. (1966) Influenza A/equi-2 in der Schweiz 1965. III. Symptomatologie. (1) Reine Virusinfektion, Zbl. Vet.Med., 13, 438-450
- Gerber, H. & Löhner, J. (1966) Influenza A/equi-2 in der Schweiz 1965. III. Symptomatologie. (2) Komplikationen pathologisch-anatomische Befund, Zbl. Vet.Med., 13, 517-527
- Langer, P.H. (1966) Equine influenza: development of a new combination vaccine, Vet. Med., small Anim. Clin., 61, 662-668
- McQueen, J.L., Davenport, F.M., Keeran, R.J. & Dawson, H.A. (1966) Studies of equine influenza in Michigan, 1963. II. Epizootiology, Amer. J. Epidem., 83, 280-286
- McQueen, J.L., Davenport, F.M. & Minuse, E. (1966) Studies of equine influenza in Michigan, 1963. I. Etiology, Amer. J. Epidem., 83, 271-279
- Mahaffey, L.W. (1966) Histological features associated with A/Equi/influenza strains in horses, Proc. roy. Soc. Med., 59, 54
- Marois, P. (1966) Les virus grippaux et la grippe du cheval, VIIIe Congrès international de pathologie comparée, Beyrouth, (Liban) 7-22 Septembre 1966, Tome II, "La grippe", 95-114
- Masurel, N. & Boer, G.F. de (1967) Influenza in horses in the Netherlands, T.Diergeneesk., 92, 501-507
- Masurel, N. & Mulder, J. (1966) Studies on the content of antibodies for equine influenza viruses in human sera, Bull. Wld. Hlth. Org., 34, 885-893

- Mayr, A., Pette, J. & Pape, J. (1966) The 1965 epidemic of coughing in horses (Hoppegarten cough) in the German Federal Republic, Tierärztl. Umsch., 21, 281-282
- Paccaud, M.F., Bürki, F. & Gerber, H. (1966) Influenza A/equi-2 in der Schweiz 1965. I. Aetiologie, Zbl. Vet.Med., 13, 417-426
- Paccaud, M.F., Couard, M., Bürki, F., Gerber, H. & Löhner, J. (1966) Outbreak of influenza A/Equi-2 in Switzerland, Nature, Lond., 211, 101-102
- Pastor, E.Z. (1967) Influenza equina (I.E.) Veterinaria, 32, 159-179
- Pette, J. & Teufel, P. (1966) Culture of equine influenza virus in tissue culture: preliminary communication, Berl. Münch. tierärztl. Wschr., 79, 473-474
- Rose, M.A. (1966) Equine influenza viruses isolated at Cambridge in 1963 and 1965, Proc. roy. Soc. Med., 59, 51-52
- Rose, M.A. (1966) Serological studies with equine influenza viruses, Brit. vet. J., 122, 435-442

OTHER MAMMALS  
AUTRES MAMMIFERES

1919-1948

Anon. (1919) Does epidemic influenza affect the lower animals? (Annotation)  
Lancet I, 520

Bell, F.R. & Dudgeon, J.A. (1948) An epizootic of influenza in a ferret colony,  
J. comp. Path., 58, 167-171

Friedewald, W.F. & Hook, E.W. (1948) Influenza virus infection in the hamster. A  
study of inapparent virus infection and virus adaptation, J. exp. Med., 88,  
343-353

Schmidt, P. & Kairies, A. (1936) Neue Studien zum Problem der Influenza bei Mensch  
und Tier. Stuttgart; Ferdinand Enke, 71 pp.

Smith, W. & Stuart-Harris, C.H. (1936) Influenza infection of man from the ferret,  
Lancet, II, 121-123

Taylor, R.M., Parodi, A.S. & Chialvo, R.J. (1943) Susceptibility of the grison,  
Galictis furax furonax, (a mustelid) to influenza virus, Rev. Inst. Bact.,  
(B. Aires), 11, 466-468

1950-1959

Ado, A.D. & Titova, S.M. (1959) A study of experimental influenza in dogs, Prob. Virol.,  
4, 36-41

Ado, A.D., & Titova, S.M. (1959) Experimental influenza in dogs, Vop. Virus, 4,  
165-169

Aleandri, M. (1953) Analogy of influenza in animals and in man, Zooprofilassi, 8,  
101-103

Cilli, V. & Davoli, R. (1954) Experimental infection of cattle with the virus of human  
influenza, Clin. Vet., (Milano), 77, 129-136

Florio, R., Joubert, L. & Cottureau, P. (1958) Influenzal diseases of animals and  
their relationships to human influenza, Rev. Méd. vét., 109, 289-312

- Kaplan, M.M. & Payne, A.M.-M. (1959) Serological survey in animals for type A influenza in relation to the 1957 pandemic, Bull. World Hlth. Org., 20, 465-488
- Mitchell, C.A., Nordland, O. & Walker, R.V.L. (1958) Myxoviruses and their propagation in the mammary gland of ruminants, Canad. J. comp. Med., 22, 154-156
- Mitchell, C.A., Walker, R.V.L. & Bannister, G.L. (1954) Persistence of neutralizing antibody in milk and blood of cows and goats following the instillation of virus into the mammary gland, Canad. J. comp. Med., 18, 426-430
- Mitchell, C.A., Walker, R.V.L., & Bannister, G.L. (1956) Studies relating to the formation of neutralizing antibody following the propagation of influenza and Newcastle disease virus in the bovine mammary gland, Canad. J. Microbiol., 2, 322-328

1960-1964

- Barb, K., Farkas, E., Romvary, J. & Takatsy, G. (1962) Comparative study of influenza virus strains isolated from domestic animals in Hungary, Acta Virol., Prague, 6, 207-213
- Bucca, M.A., Palmer, D.F., Johnston, J.G. & Winn, J.F. (1964) Antibody response in certain domestic animals to influenza viruses, Proc. Soc. exp. Biol., 116, 493-495
- Hana, L., Styk, B. (1962) An attempt to differentiate beta-inhibitor from cofactor occurring in bovine serum, Acta. virol., 6, 77-83
- McQueen, J.L. & Davenport, F.M. (1963) Experimental influenza in sheep, Proc. Soc. exp. Biol., N.Y., 112, 1004-1006
- Meenan, P.N., Boyd, M.R. & Mullaney, R. (1962) Human influenza viruses in domesticated animals, Brit. med. J., II, 86-89
- Steele, J.H. (1961) Animal Influenza, Amer. Rev. respir. Dis., 83, No. 2, Part 2, 41-46

1965-1967

- Beveridge, W.I.B. (1966) Public Health significance of animal influenza, VIIIe Congrès international de pathologie comparée, Beyrouth, (Liban) 7-22 septembre 1966, Tome II, "La grippe" 193-200
- Bronitki, Al., Gabriella, I., Malian, A. (1966) L'incidence des anticorps antiparagrippaux chez l'homme et chez les animaux domestiques, VIIIe Congrès international de pathologie comparée, Beyrouth (Liban) 7-22 septembre 1966, Tome II, "La grippe" 23

Haff, R.F., Schriver, P.W., Engle, C.G. & Stewart, R.C. (1966) Pathogenesis of influenza in ferrets. I. Tissue and blood manifestations of disease, J. Immunol., 96, 659-667

Masurel, N. (1967) Influenza in man and animals, T. Diergeneesk., 92, 487-493

Topciu, V., Moldovan, E., Diosi, P., Levin, S. & Rosiu, N. (1966) Detection of haemagglutination-inhibition influenza antibodies in ground squirrel (Citellus citellus) sera, Rev. Roum. d'Inframicrobiol., 3, 197-200

Topciu, V., Moldovan, E., Nevinglovschi, O., Rosiu, N. & Diosi, P. (1966) Serological investigations on influenza inhibitors in domestic and wild animals, Rev. Roum. d'Inframicrobiol., 3, 271-276

BIRDS  
OISEAUX

1950-1959

- Angulo, J.J. (1951) On the identity of the so-called filamentous forms of influenza and fowl pest viruses, Arch. ges. Virusforsch., 4, 199-206
- Blaskovic, D., Rathova, V. & Borecky, L. (1959) Antigenic relationships to myxoviruses of a virus isolated from a respiratory infection in ducks, Acta virol., (Prague), 3, 17-24
- Franco, J., Bystricky, V. & Vrtiak, J. (1958) Influenza virus A anatis, isolated from ducks with a respiratory disease. I. Morphological study, Vet. Cas., 7, 411-418
- Franco, J. & Hanicko, L. (1959) Influenza A anatis, strain "Kosice 1956" isolated from ducks. III. Comparative adsorption-elution studies, Vet. Cas., 8, 545-555
- Franco, J. & Kapitancik, B. (1959) Influenza virus A anatis isolated from ducks with a respiratory disease. II. Haemagglutinating properties, Vet. Cas., 8, 244-254

1960-1964

- Avrorov, A.A., Kozhevnikov, E.M. & Gladkov, B.A. (1963) Pathology of duck influenza. (1964), Trudy II vses. konf. patol. Anat. Zhivotnykh, Mosk. Vet. Akad., 171-176 (Index Vet., 1966, 34, no. 1, p. 99)
- Bankowski, R.A. & Corstvet, R.E. (1960) Isolation of an unidentified agent from the respiratory tract of chicken, Science, 132, 292-293
- Bell, A.E., McNary, H.W. & MacFarlane, J.O. (1964) Genetic variation in the vaccine yield from embryonating avian eggs, Poult. Sci., 43, 1258-1262
- Franco, J. & Jurcina, A. (1964) Influenza virus A anatis, strain "Kosice 1956", isolated from respiratory infection of ducklings. VI. Tissue culture of virus A anatis, Folia vet. Kosice, 7, 15-19
- Gladkov, B.A. (1963) The development of lesions in the spleen of ducks experimentally infected with influenza. (1964) Trudy II vses. konf. patol. Anat. Zhivotnykh, Mosk. Vet. Akad., 241-244, (Index Vet., 1966, 34, no. 1, p. 99)

- Kozhevnikov, E.M. & Bobrov, A.A. (1961) Influenza in ducks, Veterinariya, Moscow, 38, No. 10, 48-50
- Prokofeva, M.T., Gurova, E.I. & Tsimokh, P.F. (1963) Virus influenza of ducks, Veterinariya, Moscow, 40, No. 10, 33-35
- Roberts, D.H. (1964) The isolation of an influenza A virus and a mycoplasma associated with duck sinusitis, Vet. Rec., 76, 470-473
- Smirnova, G.A. & Stakhanova, V.M. (1964) Biological properties of animal influenza viruses, Veterinariya, Moscow, 41, No. 4, 7-12
- Tsimokh, P.F. (1961) Haemagglutination reaction in infectious sinusitis of ducks, Veterinariya, Moscow, 38, No. 12, 63-65

1965-1967

- Becker, W.B. (1966) The isolation and classification of Tern virus: influenza virus A/TERN/South Africa/1961, J. Hyg., Camb., 64, 309-320
- Becker, W.B. (1967) Experimental infection of Common Terns with Tern virus: Influenza Virus A/Tern/South Africa/1961, J. Hyg., Camb., 65, 61-65
- Becker, W.B. & Uys, C.J. (1967) Experimental infection of chickens with Influenza A/Tern/South Africa/1961 and Chicken/Scotland/1959 viruses. I. Clinical picture and virology, J. comp. Path., 77, 159-165
- Franco, J., & Vrtiak, O.J. (1966) Virus grippaux aviaires. Position des oiseaux dans l'infection à myxovirus, VIIIe Congrès international de Pathologie comparée, Beyrouth, (Liban) 7-22 Septembre 1966, Tome II, "La grippe", 115-132
- Lang, G. & Wills, C.G. (1966) WILMOT virus - a new influenza A virus infecting turkeys, Arch. ges. Virusforsch., 19, 81-90
- Mitchell, C.A., Guerin, L.F. & Robillard, J. (1967) Myxovirus influenza A isolated from ducklings, Can. J. Comp. Med. Vet. Sci., 31, 103-105
- Pereira, H.G., Tumova, B. & Law, V.G. (1965) Avian influenza A viruses, Bull. Wld. Hlth. Org., 32, 855-860, (Vet. Bull., 1966, 36, abst. 970)

- Rinaldi, A., Cervio, G. & Mandelli, G. (1965) Investigations and isolation of virus N (Dinter 1949) from ducks with infectious sinusitis, Selez. Vet., 6, 430-434
- Rinaldi, A., Cervio, G. & Mandelli, G. (1966) Respiratory infection in turkeys caused by a filtrable agent related to virus N (Dinter 1949) Selez. Vet., 7, 336-339
- Rinaldi, A., Cervio, G. & Mandelli, G. (1966) Sinusitis in ducks caused by a filtrable agent serologically related to virus N (Dinter 1949), Boll. Ist. sieroter, milan., 45, 255-272
- Uys, C.J. & Becker, W.B. (1967) Experimental infection of chickens with Influenza A/Tern/South Africa/1961 and Chicken/Scotland/1959 viruses. II. Pathology, J. comp. Path., 77, 167-173
- Vrtiak, O.J. & Frano, J. (1966) Influenza anatum, Bull. Off. int. Epiz., 65, 1231-1246