Ferris NP, Nordengrahn A, Hutchings GH, Paton DJ, Kristersson T, Brocchi° E, Grazioli° S, Merza M
Development and laboratory validation of a lateral flow device for the detection of serotype SAT 2 foot-and-mouth disease viruses in clinical samples

Ferris NP, Nordengrahn A, Hutchings GH, Reid SM, King DP, Ebert K, Paton DJ, Kristersson T, Brocchi° E, Grazioli° S, Merza M
Development and laboratory validation of a lateral flow device for the detection of foot-and-mouth disease virus in clinical samples

Papon L, Oteiza A, Imaizumi T, Kato H, Brocchi° E, Lawson TG, Akira S, Mechtli N
The viral RNA recognition sensor RIG-I is degraded during encephalomyocarditis virus (EMCV) infection

Improved diagnosis for nine viral diseases considered as notifiable by the World Organization for Animal Health

Nordengrahn A, Gustafsdottir SM, Ebert K, Reid SM, King DP, Ferris NP, Brocchi° E, Grazioli° S, Landegren U, Merza M
Evaluation of a novel proximity ligation assay for the sensitive and rapid detection of foot-and-mouth disease virus

Martin-Acebes MA, Gonzalez-Magaldi M, Rosas MF, Borrego B, Brocchi° E, Armas-Portela R, Sobrino F
Subcellular distribution of swine vesicular disease virus proteins and alterations induced in infected cells: a comparative study with foot-and-mouth disease virus and vesicular stomatitis virus

Engel B, Buist W, Orsel K, Dekker A, De Clercq K, Grazioli° S, Van Roermund Herman
A Bayesian evaluation of six diagnostic tests for foot-and-mouth disease for vaccinated and non-vaccinated cattle

Dekker A, Sammin D, Greiner M, Bergmann I, Paton D, Grazioli° S, De Clercq K, Brocchi° E
Use of continuous results to compare ELISAs for the detection of antibodies to non-structural proteins of foot-and-mouth disease virus

Campos RDM, Malirat V, Neitzert E, Grazioli° S, Brocchi° E, Sanchez C, Falczuk AJ, Ortiz S, Rebello MA, Bergmann IE
Development and characterization of a bovine serum evaluation panel as a standard for immunoassays based on detection of antibodies against foot-and-mouth disease viral non-capsid proteins

Parida S, Fleming L, Gibson D, Hamblin PA, Grazioli° S, Brocchi° E, Paton DJ
Bovine serum panel for evaluating foot-and-mouth disease virus nonstructural protein antibody tests

Knowles NJ, Wilsden G, Reid Sm, Ferris NP, King DP, Paton DJ, Fevereiro M, Brocchi° E
Reappearance of swine vesicular disease virus in Portugal
Goris N, Praet N, Sammin D, Yadin H, Paton D, Brocchi° E, Berkvens D, De Clercq K
Foot-and-mouth disease non-structural protein serology in cattle: use of a Bayesian framework to estimate
diagnostic sensitivity and specificity of six ELISA tests and true prevalence in the field

Paton DJ, De Clercq K, Greiner M, Dekker A, Brocchi° E, Bergmann I, Sammin JD, Gubbins S, Parida S
Application of non-structural protein antibody tests in substantiating freedom from foot-and-mouth disease
virus infection after emergency vaccination of cattle

Nunez JJ, Fusi° P, Borrego° B, Brocchi° E, Pacciarini M, Malirat V, Sørensen K, De Clercq K
Comparative evaluation of six ELISAs for the detection of antibodies to the non-structural proteins of foot-and-mouth
disease virus

Ferris NP, King DP, Reid SM, Hutchings GH, Shaw AE, Paton DJ Goris N, Haas B, Hoffmann B, Brocchi° E,
Bugnettii M, Dekker A, De Clercq K
Foot-and-mouth disease virus : a first inter-laboratory comparison trial to evaluate virus isolation and RT-PCR
detection methods

Comparative evaluation of six ELISAs for the detection of antibodies to the non-structural proteins of foot-and-mouth
disease virus

Maurice H, Nielen M, Brocchi° E, Nowotny N, Bakker Kassimi L, Billinis C, Loukaides P, O'hara RS, Koenen F
The occurrence of encephalomyocarditis virus (EMCV) in European pigs from 1990 to 2001

Sørensen KJ, De Stricker K, Dyrtung KC, Grazioli° S, Haas B
Differentiation of foot-and-mouth disease virus infected animals from vaccinated animals using a blocking
ELISA based on baculovirus expressed FMDV 3ABC antigen and a 3ABC monoclonal antibody

Shaw AE, Reid SM, Knowles NJ, Hutchings GH, Wilsden G, Brocchi° E, Paton D, King DP
Sequence analysis of the 5’ untranslated region of swine vesicular disease virus reveals block deletions
between the end of the internal ribosomal entry site and the initiation codon

Mutant viral polymerase in the transition of virus to error catastrophe identifies a critical site for RNA binding

Brocchi° E, Sørensen K, Mackay D
The use of serology as part of the exit strategy to the 1996 epidemic of FMD in the Balkans

Borrego° B, Garcia-Ranea JA, Douglas A, Brocchi° E
Mapping of linear epitopes on the capsid proteins of swine vesicular disease virus using monoclonal
antibodies

Borrego° B, Carra° E, Garcia-Ranea JA, Brocchi° E
Characterization of neutralization sites on the circulating variant of swine vesicular disease virus (SVDV): a
new site is shared by SVDV and the related coxsackie B5 virus
Identification of neutralizing epitopes on a European strain of swine vesicular disease virus

Vlemmas J, Papaioannou N, Psychas V, Billinis C, Paschaleri-Papadopoulou E, Brocchi E, Carra E, Papadopoulo O
Immunohistochemical detection of encephalomyocarditis virus (EMCV) both in formalin and ethanol-fixed, paraffin-embedded tissues of pigs

Verdaguer N, Sevilla N, Valero Ml, Stuart D, Brocchi E, Andreu D, Giralt E, Domingo E, Mateu MG, Fita I
A similar pattern of interaction for different antibodies with a major antigenic site of foot-and-mouth disease virus: implications for intratypic antigenic variation

Knowles NJ, Dickinson ND, Wilsden G, Carra E, Brocchi E, De Simone F
Molecular analysis of encephalomyocarditis viruses isolated from pigs and rodents in Italy

Heckert RA, Brocchi E, Berlinzani A, Mackay DKJ
An international comparative analysis of a competitive ELISA for the detection of antibodies to swine vesicular disease virus

Brocchi E, De Diego MI, Berlinzani A, Gamba D, De Simone F
Diagnostic potential of Mab-based ELISAs for antibodies to non-structural proteins of foot-and-mouth disease virus to differentiate infection from vaccination

Comparison of the pathogenic, antigenic and molecular characteristics of two encephalomyocarditis virus (EMCV) isolates from Belgium and Greece

De Diego M, Brocchi E, Mackay D, De Simone F
The non-structural polyprotein 3ABC of foot-and-mouth disease virus as a diagnostic antigen in ELISA to differentiate infected from vaccinated cattle

Brocchi E, Zhang G, Knowles NJ, Wilsden G, Mccauley JW, Marquardt O, Ohlinger VF, De Simone F
Molecular epidemiology of recent outbreaks of swine vesicular disease: two genetically and antigenically distinct variants in Europe, 1987-94

Meyer RF, Pacciarini M, Hilyard EJ, Ferrari S, Vakharia VN, Donini G, Brocchi E, Molitor TW
Genetic variation of foot-and-mouth disease virus from field outbreaks to laboratory isolation.

Mateu MG, Martinez MA, Capucchi L, Andreu D, Giralt E, Sobrino F, Brocchi E, Domingo E
A single amino acid substitution affects multiple overlapping epitopes in the major antigenic site of foot-and-mouth disease virus of serotype C.
Mccullough KC, Smale CJ, Carpenter WC, Crowther JR, Brocchi E, De Simone F
Conformational alteration in foot-and-mouth disease virus virion capsid structure after complexing with monospecific antibody.

Mccullough KC, Crowther JR, Carpenter WC, Brocchi E, Capucci L, De Simone F, Xie Q, Mccahon D

Mccullough KC, Crowther JR, Butcher RN, Carpenter WC, Brocchi E, Capucci L, De Simone F Immune protection against foot-and-mouth disease virus studied using virus-neutralizing and non-neutralizing concentrations of monoclonal antibodies.