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## Kort præsentation

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## Publikationer

### **Using registry data to identify individual dairy cows with abnormal patterns in routinely recorded somatic cell counts**

Henningsen, Maj Beldring, Reimert, Mossa Merhi, Denwood, Matt, Gussmann, Maya Katrin, Kirkeby, Carsten & Nielsen, Søren Saxmose, 21 feb. 2024, I: *Journal of Theoretical Biology*. 579, s. 1-7 7 s., 111718.

### **Accuracy of three diagnostic tests to detect tooth resorption in unowned unsocialised cats in Denmark**

Eriksson, Jacob Mattias, Denwood, Matt, Nielsen, Søren Saxmose, McEvoy, Fintan, Allberg, Clara, Thuesen, Ida Sofie & Kortegaard, Hanne Ellen, 2024, (E-pub ahead of print) I: *Journal of Small Animal Practice*.

### **Quantifying human toxoplasmosis risk from pork consumption in Denmark : A conceptual framework for tissue cyst-based analysis**

Olsen, Abbey , Swart, A., Pires, S. M., Fagt, S., Møgelmoose, V., Houe, Hans, Denwood, Matt, Nielsen, H. V. & Alban, L. M., 2024, *Vergne, T. and Robinson, P.A. (eds). Proceedings of the Society for Veterinary Epidemiology and Preventive Medicine annual meeting held in Uppsala, Sweden, SVEPM*.

### **A general framework to support cost-efficient fecal egg count methods and study design choices for large-scale STH deworming programs—monitoring of therapeutic drug efficacy as a case study**

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### **A statistical framework for calculating prospective sample sizes and classifying efficacy results for faecal egg count reduction tests in ruminants, horses and swine**

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### **Accuracy, acceptability, and feasibility of diagnostic tests for the screening of *Strongyloides stercoralis* in the field (ESTRELLA): a cross-sectional study in Ecuador**

Tamarozzi, F., Guevara, Á. G., Anselmi, M., Vicuña, Y., Prandi, R., Marquez, M., Vivero, S., Robinzón Huerlo, F., Racines, M., Mazzi, C., Denwood, Matt & Buonfrate, D., 2023, I: *The Lancet Global Health*. 11, 5, s. e740-e748

### **Addressing misclassification bias in vaccine effectiveness studies with an application to Covid-19**

Eusebi, P., Speybroeck, N., Hartnack, S., Stærk-Østergaard, J., Denwood, Matt & Kostoulas, P., 2023, I: *BMC Medical Research Methodology*. 23, 55.

### **Estimating true prevalence through questionnaire data**

Mielke, Adam, Denwood, Matt & Christiansen, L. E., 2023, I: *Journal of Medical Virology*. 95, 7, e28908.

**Identifying areas of animal welfare concern in different production stages in Danish pig herds using the Danish Animal Welfare Index (DAWIN)**

Michelsen, Anne Marie, Hakansson, Franziska, Lund, Vibe Pedersen, Kirchner, M. K., Dam Otten, Nina, Denwood, Matt, Rousing, T., Houe, Hans & Forkman, Björn, 2023, I: *Animal Welfare*. 32, e47.

**Modeling the Risk of Human Toxoplasmosis in the Danish Population From Ingestion of Tissue Cysts Present in Pork Products**

Olsen, Abbey, Swart, A., Pires, S. M., Fagt, S., Houe, Hans, Denwood, Matt, Møgelmoose, V., Nielsen, H. V. & Alban, L. M., 2023, *14th International Symposium on the Epidemiology and Control of Biological, Chemical and Physical Hazards in Pigs and Pork: Proceedings*. Iowa State University Digital Press, 4 s.

**The convergence epidemic volatility index (cEVI) as an alternative early warning tool for identifying waves in an epidemic**

Pateras, K., Meletis, E., Denwood, Matt, Eusebi, P. & Kostoulas, P., 2023, I: *Infectious Disease Modelling*. 8, 2, s. 484-490  
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Svennesen, Line, Skarbye, Alice Puk, Farre, M., Astrup, L. B., Halasa, T., Krömker, Volker, Denwood, Matt & Kirkeby, Carsten, 2023, I: *Journal of Dairy Science*. 106, 8, s. 5696-5714

**Use of Danish national somatic cell count data to assess the need for dry-off treatment in Holstein dairy cattle**

Henningesen, Maj Beldring, Denwood, Matt, Kirkeby, Carsten & Nielsen, Søren Saxmose, 2023, I: *Animals*. 13, 15, 13 s., 2523.

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**A new epidemiological approach to assess reductions in animal suffering through systematic control of Salmonella Dublin in a cattle sector**

Nielsen, Liza Rosenbaum, Houe, Hans, Agger, Jens Frederik Gramstrup, Denwood, Matt, Dam Otten, Nina & Nielsen, Søren Saxmose, 2022, *16th International Symposium of Veterinary Epidemiology and Economics: Connecting Animals, People, and their shared environments - Abstract book*. s. 428 749

**Assessing the impact of Ascariasis and Trichuriasis on weight gain using a porcine model**

Whitehead, B., Thamsborg, Stig Milan, Denwood, Matt & Nejsun, P., 2022, I: *PLoS Neglected Tropical Diseases*. 16, 8, e0010709.

**Determination of an optimal ELISA cut-off for the diagnosis of Toxoplasma gondii infection in pigs using Bayesian latent class modelling of data from multiple diagnostic tests**

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**Effect of vaccination on household transmission of SARS-CoV-2 Delta variant of concern**

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**PREPAREDNESS FOR POTENTIAL FUTURE SEROLOGICAL SURVEILLANCE OF TOXOPLASMA GONDII IN THE DANISH PIG POPULATION: A REVIEW OF LATEST EPIDEMIOLOGICAL STUDIES FROM DENMARK**

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**Notat om effekten af nedlukning frem til jul, den 6. december 2020**

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**Application of methods to assess animal welfare and suffering caused by infectious diseases in cattle and swine populations**

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**Ekspertrapport af den 23. oktober 2020. Incidens og fremskrivning af COVID-19 tilfælde**

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Kostoulas, P., Gardner, I. A., Elschner, M. C., Denwood, Matt, Meletis, L. & Nielsen, Søren Saxmose, 1 jun. 2021, I: Revue Scientifique et Technique. 40, 1, s. 287-298 12 s.

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**Notat om prognoser for smittetal og indlæggelser ved scenarier for genåbning af 0.-4. klasse i grundskolen**

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**Scenarier for udviklingen i den engelske virusvariant af SARS-COV-2 (cluster B.1.1.7)**

Kirkeby, Carsten & Denwood, Matt, 2 jan. 2021, 3 s.

**A longitudinal study of *Toxoplasma gondii* seroconversion on four large Danish sow farms**

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**Association between gastric content fluidity and pars oesophageal ulcers in nursery pigs: a cross-sectional study of high-risk Danish herds using commercial feed**

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**Association between milk yield and milk anti-*Fasciola hepatica* antibody levels, and the utility of bulk tank milk samples for assessing within-herd prevalence on organic dairy farms**

Takeuchi-Storm, N., Thamsborg, Stig Milan, Enemark, H. L., Boes, J., Williams, D. & Denwood, Matt, 2021, I: *Veterinary Parasitology*. 291, 9 s., 109374.

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**Derfor kan eksperter i dyresygdomme forudsige, hvordan coronavirus spreder sig**

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**Ekspertrapport af den 6. april 2020 - Matematisk modellering af COVID-19 smittespredning og sygehusbelastning ved scenarie for delvis genåbning af Danmark**

Kirkeby, Carsten, Denwood, Matt & Halasa, T., 2020

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Sandøe, Peter, Theut, L. F. & Denwood, Matt, 2018, *Professionals in food chains: EurSafe 2018*. Springer, S. & Grimm, H. (red.). Wageningen Academic Publishers, s. 134-140 7 s.

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