



## Curriculum Vitae

Personal information **Niels Christian Kyvsgaard**

### Work experience

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1. Employer: Danish Medicines Agency
  - Start date: 102011
  - End date:
  - Position: Senior Adviser (2012\_present)
  - Activities: Assessment of applications for veterinary medicinal products Section management Member of the CMDv (2012-2014), SWP\_V (2012 - 2016), PhV\_WP (2015), EWP\_V (2017 - 2019), and CVMP (2019- )
  - Country: Denmark
2. Employer: Royal Veterinary and Agricultural University / from 2007 part of University of Copenhagen
  - Start date: 101993
  - End date: 112012
  - Position: Associate Professor
  - Activities: Teaching poultry diseases, herd health and parasitology Research within parasitology in poultry, ruminants and pigs, and within welfare\_related conditions of poultry Project management in Latin America and Africa
  - Country: Denmark
3. Employer: Ibis
  - Start date: 021990
  - End date: 031993
  - Position: Livestock Adviser
  - Activities: Advise and development of teaching programmes for smallholder farmers in Nicaragua
  - Country: Denmark
4. Employer: Royal Veterinary and Agricultural University
  - Start date: 101986
  - End date: 011990
  - Position: PhD scholar
  - Activities: PhD student in Parasitology. PhD project on immunodiagnosis and epidemiology of bovine cystercercosis.
  - Country: Denmark
5. Employer: Ansager Veterinary Hospital
  - Start date: 051983
  - End date: 031986
  - Position: Veterinarian
  - Activities: General veterinary practice mainly within dairy cattle
  - Country: Denmark

### Education and training

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1. Subject: PhD, Royal Veterinary and Agricultural University
  - Start date: 101986
  - End date: 011990
  - Qualification: PhD
  - Organisation: Parasitology with supporting subjects within immunology and epidemiology
  - Country: Denmark
2. Subject: DVM, Royal Veterinary and Agricultural University
  - Start date: 091976
  - End date: 011983
  - Qualification: Veterinary degree (Cand.med.vet.)
  - Organisation: General veterinary education (equivalent to DVM)
  - Country: Denmark

### Additional information

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#### Publications

##### PhD Thesis

Kyvsgaard NC (1990) *Taenia saginata* cysticercose: Undersøgelser over epidemiologi, diagnose og kontrol. (*Taenia saginata* cysticercosis: Investigations on epidemiology, diagnosis and control). Copenhagen: Royal Veterinary and Agricultural University and National Veterinary Laboratory.

##### Papers in peer\_reviewed journals

Baptiste KE, Kyvsgaard NC, Ahmed MO, Damborg, PP, Dowling PM (2025) Is Rifampin (rifampicin) essential for the treatment of *Rhodococcus equi* infections in Foals? A Critical Review of the Role of Rifampin. Submitted for publication

Olsen JE, Frees D, Kyvsgaard NC, Barco L (2024) Lack of correlation between growth, stress, and virulence phenotypes in strains of *Salmonella enterica* serovar Enteritidis, S. Typhimurium DT104, S. 4,12, b:- and S. Liverpool. *Lett Appl Microbiol.* 2024 Feb 1;77(2):ovae015. doi: 10.1093/lambio/ovae015. PMID: 38366187.

Jensen J, Kyvsgaard NC, Battisti A, Baptiste KE (2018) Environmental and public health related risk of veterinary zinc in pig production - Using Denmark as an example. *Environmental International*, 114: 181-190 (doi.org/10.1016/j.envint.2018.02.007)

Baptiste KE, Kyvsgaard NC (2017) Do antimicrobial mass medications work? A systematic review and meta-analysis of randomised clinical trials investigating antimicrobial prophylaxis or metaphylaxis against naturally occurring bovine respiratory disease. *Pathogens and Disease* 75(7). (doi: 10.1093/femspd/ftx083)

Katakam KK, Thamsborg SM, Dalsgaard A, Kyvsgaard NC, Mejer H (2016) Environmental contamination and transmission of *Ascaris suum* in Danish organic pig farms. *Parasites & Vectors*, 9:80

Alandia G, Jacobsen S\_E, Kyvsgaard NC, Condori B, Liu F (2016) Nitrogen sustains seed yield of quinoa under intermediate drought. *Journal of Agronomy and Crop Science* (DOI: 10.1111/jac.12155)

Ferdushy T, Luna\_Olivares LA, Nejsum P, Thamsborg SM, Kyvsgaard NC (2015) The use of genetically marked infection cohorts to study changes in establishment rates during the time course of a repeated *Ascaridia galli* infection in chickens. *International Journal for Parasitology* 45: 393\_398

Luna\_Olivares LA (2015) The jejunal cellular responses in chickens infected with a single dose of *Ascaridia galli* eggs. *Parasitology Research*, 114(7): 2507\_2515

Katakam KK, Mejer H, Dalsgaard A, Kyvsgaard NC, Thamsborg SM (2014) Survival of *Ascaris suum* and *Ascaridia galli* eggs in liquid manure at different ammonia concentrations and temperatures. *Veterinary Parasitology*, 204:249\_57

Katakam KK, Thamsborg SM, Kyvsgaard NC, Dalsgaard A, Mejer H (2014) Development and survival of *Ascaris suum* eggs in deep litter of pigs. *Parasitology*, 141:1646\_1656

Ferdushy T, Schou TW, Norup LR, Dalgaard TS, Thamsborg SM, Nejsum P, Permin A, Juul\_Madsen HR, Kyvsgaard NC (2014) Acquisition of resistance after continuous infection with *Ascaridia galli* in chickens. *Parasitology*, 141(12): 1603\_1610

Pires\_dos\_Santos T, Bisgaard M, Kyvsgaard N, Christensen H (2014) Occurrence of weak mutators among avian pathogenic *Escherichia coli* (APEC) isolates causing salpingitis and peritonitis in broiler breeders. *Veterinary Microbiology*, 168: 141\_147

Roy K, Bisgaard M, Kyvsgaard NC, Christensen JP, Nielsen OL, Biswas PK, Pors SE, Bojesen AM (2013) Pathogenicity of wild\_type and small\_colony variants of *Streptococcus equi* subsp. zooepidemicus in layer chickens. *Avian Pathology*, 42: 316\_322

Ferdushy T, Luna\_Olivares LA, Nejsum P, Roepstorff A, Thamsborg SM, Kyvsgaard NC (2013) Population dynamics of *Ascaridia galli* following single infection in young chickens. *Parasitology*, 140: 1078\_1084

Lund VP, Kyvsgaard NC, Christensen JP, Bisgaard M (2013) Pathological manifestations observed in dead\_on\_arrival broilers at a Danish abattoir. *British Poultry Science*, 54: 430\_440

Katakam KK, Roepstorff A, Popovic O, Kyvsgaard NC, Thamsborg SM, Dalsgaard A (2013) Viability of *Ascaris suum* eggs in stored raw and separated liquid slurry. *Parasitology*, 140: 378\_384

Kyvsgaard NC, Jensen, HB, Ambrosen T, Toft N (2012) Temporal changes and risk factors for foot\_pad dermatitis in Danish broilers. *Poultry Science*, 92: 26\_32

Ferdushy T, Nejsum P, Roepstorff A, Thamsborg SM, Kyvsgaard NC (2012) *Ascaridia galli* in chickens: Intestinal localization and comparison of methods to isolate the larvae within the first week of infection. *Parasitology Research*, 111:2273-2279.

de Almeida GF, Horsted K, Thamsborg SM, Kyvsgaard NC, Ferreira JFS, Hermansen JE (2012) Use of *Artemisia annua* as a natural coccidiostat in free\_range broilers and its effects on infection dynamics and performance. *Veterinary Parasitology* 186, 178\_187

Luna\_Olivares LA, Ferdushy T, Kyvsgaard NC, Nejsum P, Thamsborg SM, Roepstorff A, Iburg T (2012): Localization of *Ascaridia galli* larvae in the jejunum of chickens 3 days post infection. *Veterinary Parasitology* 185, 186\_193

Kyvsgaard NC, Lindbom J, Andreassen LL, Luna\_Olivares LA, Nielsen MK, Monrad J (2011) Prevalence of strongyles and efficacy of fenbendazole and ivermectin in working horses in El Sauce, Nicaragua. *Veterinary Parasitology* 181, 248\_254.

Katakam KK, Nejsum P, Kyvsgaard NC, Jørgensen CB, Thamsborg SM (2010) Molecular and parasitological tools for the study of *Ascaridia galli* population dynamics in chickens. *Avian Pathology* 39, 81\_85

Keyyu JD, Kassuku AA, Kyvsgaard NC, Monrad J (2009) Effectiveness of a community\_based strategic anthelmintic treatment programme in the control of gastrointestinal nematodes and *Fasciola gigantica* in cattle in Kilolo district, Tanzania. *Veterinary Research Communications*, 33, 555\_565

Keyyu JD, Kyvsgaard NC, Monrad J, Kassuku AA (2009) Effectiveness of strategic anthelmintic treatment in the control of gastrointestinal nematodes and *Fasciola gigantica* in cattle in Iringa region, Tanzania. *Tropical Animal Health and Production*, 41, 25\_33

Kyvsgaard NC, Johansen MV, Carabín H (2007) Simulating transmission and control of *Taenia solium* infections using a Reed\_Frost stochastic model. *International Journal for Parasitology*, 37, 547\_558

Luna\_Olivares L, Kyvsgaard N, Rimbeaux E, Pineda (2006) Prevalencia y carga parasitaria de helmintos gastrointestinales en gallinas de traspatio (*Gallus Gallus Domesticus*), en el municipio de El Sauce, departamento de León, Nicaragua. *Revista Electrónica de Veterinaria \_ REDVET* www.veterinaria.org/revistas/redvet/n111106.html 7 (11) November 2006

Dubey JP, Sundar N, Pineda N, Kyvsgaard NC, Luna LA, Rimbaud E, Oliveira JB, Kwok OCH, Qi Y, Su C (2006) Biologic and genetic characteristics of *Toxoplasma gondii* isolates in free\_range chickens from Nicaragua, Central America. *Veterinary Parasitology*, 142, 47\_53

Boa ME, Makundi EA, Kassuku AA, Willingham AL, Kyvsgaard NC (2006) Epidemiological survey of swine cysticercosis using ante\_mortem and post\_mortem examination tests in the southern highlands of Tanzania. *Veterinary Parasitology*, 139, 249\_255

Keyyu JD, Kassuku AA, Msalilwa LP, Monrad J, Kyvsgaard NC (2006) Cross\_sectional Prevalence of Helminth Infections in Cattle on Traditional, Small\_scale and Large\_scale Dairy Farms in Iringa District, Tanzania. *Veterinary Research Communications*, 30, 45\_55

Luna LA, Kyvsgaard N (2005) Ocho diferentes especies de parásitos gastrointestinales fueron identificadas en cerdos de traspatio en El Municipio de El Sauce \_ León. Nicaragua [Eight different species gastrointestinal parasites were identified in free roaming pigs in EL Sauce \_ Leon. Nicaragua] *Revista Electrónica de Veterinaria REDVET*, 6 (No 10). URL: <http://www.veterinaria.org/revistas/redvet/n101005.html>

Skallerup P, Luna LA, Johansen MV, Kyvsgaard NC (2005) The impact of helminth infections and supplementary protein on growth performance of free\_range chickens on smallholder farms in El Sauce, Nicaragua. *Preventive Veterinary Medicine*, 69, 229\_244

Keyyu JD, Kassuku AA, Kyvsgaard NC, Monrad, J (2005) Epidemiology of *Fasciola gigantica* and amphistomes in cattle on traditional, small\_scale dairy and large\_scale dairy farms in the southern highlands of Tanzania. *Tropical Animal Health and Production*, 37, 303\_314

Keyyu JD, Kyvsgaard NC, Monrad J, Kassuku AA (2005) Epidemiology of gastrointestinal nematodes in cattle on traditional, small\_scale dairy, and large\_scale dairy farms in Iringa district, Tanzania. *Veterinary Parasitology*, 127, 285\_294

Kristensen E, Larsen CES, Kyvsgaard NC, Madsen J, Henriksen J (2004) Livestock Production \_ The twenty first century's food revolution (Discussion Paper on the donor community's role in securing a poverty oriented commercialization of livestock production in the developing world). *Livestock Research for Rural Development*, 16 (1)

Keyyu JD, Kyvsgaard NC, Kassuku AA, Willingham A.L. (2003) Worm control practices and anthelmintic usage in traditional and dairy cattle farms in the Southern Highlands of Tanzania. *Veterinary Parasitology*, 114 (1), 51\_61

Keyyu JD, Kassuku AA, Kyvsgaard NC, Willingham A.L (2003): Gastrointestinal nematodes in indigenous Zebu cattle under pastoral and nomadic management systems in the Lower Plain of the Southern Highlands of Tanzania. *Veterinary Research Communication* , 27, 371\_80

Lekule FP, Kyvsgaard NC (2003) Improving pig husbandry in tropical resource\_poor communities and its potential to reduce risk of porcine cysticercosis. *Acta Tropica*, 87, 111\_117

Magwisha HB, Kassuku AA, Kyvsgaard NC, Permin A (2002) A comparison of the prevalence and burdens of helminth infestations in growers and adult free\_range chickens. *Tropical Animal Health and Production*, 34, 205\_214

Keyyu JD, Kassuku AA, Willingham AL, Kyvsgaard NC (2001) Peri\_parturient helminthosis in strains of small East Africa goats in Tanzania. *Preventive Veterinary Medicine* 50, 177\_182

Waruiru RM, Thamsborg SM, Nansen P, Bøgh HO, Munyua WK, Gathuma JM, Kyvsgaard N (2001) The epidemiology of gastrointestinal nematodes of dairy cattle in central Kenya. *Tropical Animal Health and Production*, 33, 173\_187

Waruiru RM, Kyvsgaard N, Thamsborg SM, Munyua WK, Gathuma JM, Bøgh HO, Nansen P (2000) The prevalence and intensity of helminth and coccidia infections in dairy cattle in central Kenya. *Veterinary Research Communications*, 24, 39\_53

Magaya A, Willingham AL, Kyvsgaard N, Thamsborg S, Mukaratirwa S (2000) Effects of anthelmintic treatment and feed supplementation on grazing Tuli weaner steers naturally infected with gastrointestinal nematodes. *Journal of the South Africa Veterinary Association*, 71, 31\_37

Mukaratirwa S, Hove T, Kyvsgaard N (1998) An abattoir study of seasonal fluctuations of adults and larvalstages of *Haemonchus contortus* in sheep in Zimbabwe. *Bulletin of Animal Health and Production in Africa*, 45, 165\_168

Waruiru RM, Nansen P, Kyvsgaard N, Thamsborg SM, Munyua WK, Gathuma JM, Bøgh HO (1998) An abattoir survey of gastrointestinal nematode infections in cattle in the Central Highlands of Kenya. *Veterinary Research Communications*, 22, 325\_334

Githigia SM, Munyua WK, Kyvsgaard NC, Thamsborg SM (1998) Helminth infection levels in goats in a semi arid area of Kenya. *Bulletin of Animal Health and Production in Africa* 46: 209\_210.

Boa ME, Thamsborg SM, Kyvsgaard NC, Kassuku AA (1998) Comparison of techniques used for quantification of ovine gastrointestinal larvae in herbage. *Acta veterinaria scandinavica*, 39, 141\_144

Githigia SM, Thamsborg SM, Larsen M, Kyvsgaard NC, Nansen P (1997) The preventive effect of the fungus *Duddingtonia flagrans* on trichostrongyle infections of lambs on pasture. *International Journal for Parasitology*, 27, 931\_939.

Kyvsgaard NC, Høier R, Brück I, Nansen P (1997) Effect of two virus inactivation methods: Electron beam irradiation and ethylenimine treatment on determination of reproductive hormones in equine plasma. *Acta veterinaria scandinavica*, 38, 225\_233.

Preuss T, Kamstrup S, Kyvsgaard NC, Lei JC, Nansen P, Miller A (1997) Comparison of Two Different Methods for Inactivation of Viruses in Serum. *Clinical and Diagnostic Laboratory Immunology*, 4 (5), 504\_508.

Maingi N, Bjørn H, Thamsborg SM, Dangolla A, Kyvsgaard NC (1996) A questionnaire survey of nematode parasite control practices on goat farms in Denmark. *Veterinary Parasitology*, 66, 25\_37.

Maingi N, Bjørn H, Thamsborg SM, Dangolla A, Kyvsgaard NC (1996) Worm control practices on sheep farms in Denmark and implications for the development of anthelmintic resistance. *Veterinary Parasitology*, 66, 39\_52

Kyvsgaard NC, Lind P, Preuss T, Kamstrup S, Lei JC, Bøgh HO, Nansen P (1996) Activity of antibodies against *Salmonella dublin*, *Toxoplasma gondii*, or *Actinobacillus pleuropneumoniae* in sera after treatment with electron beam irradiation or binary ethylenimine. *Clinical and Diagnostic Laboratory Immunology*, 3 (6), 628\_634

Maeda GE, Kyvsgaard NC, Nansen P, Bøgh HO (1996) Distribution of *Taenia saginata* cysts by muscle group in naturally infected cattle in Tanzania. *Preventive Veterinary Medicine* 28, 81\_89.

Kyvsgaard NC, Urbina R (1996) Supplementing poultry diet with tree leaves or seeds \_ on\_farm research in Nicaragua. *Livestock Research for Rural Development*, 8 (1), 82\_90.

Bøgh HO, Lind P, Sønderby BV, Kyvsgaard NC, Maeda GE, Henriksen SA, Nansen P (1994) Immunodiagnosis of *Taenia saginata* in cattle using hydrophobic antigens from *T. hydatigena* metacystode cyst fluid. *Applied Parasitology*, 36, 226\_238.

Kyvsgaard NC, Ilsøe B, Willeberg P, Nansen P, Henriksen SAa (1991) A Case\_control Study of Risk Factors in Light *Taenia saginata* Cysticercosis in Danish Cattle. *Acta veterinaria scandinavica*, 32, 243\_252.

Kyvsgaard NC, Ilsøe B, Henriksen SAa, Feld NC, Nansen P (1991) Evaluation of an Enzyme\_Linked Immunosorbent Assay (ELISA) for Detection of *Taenia saginata* Cysticercosis in Cattle. *Acta veterinaria scandinavica*, 32, 233\_241.

Ilsøe B, Kyvsgaard NC, Nansen P, Henriksen SAa (1990) Bovine Cysticercosis in Denmark: A Study of Possible Causes of Infection in Farms with Heavily Infected Animals. *Acta veterinaria scandinavica*, 31, 159\_168.

Ilsøe B, Kyvsgaard NC, Nansen P, Henriksen SAa (1990) A Study on the Survival of *Taenia saginata* Eggs on Soil in Denmark. *Acta veterinaria scandinavica*, 31, 153\_158. Kyvsgaard NC,

Ilsøe B, Henriksen SAa, Nansen P (1990) Distribution of *Taenia saginata* cysts in carcasses of experimentally infected calves and its significance for routine meat inspection. *Research in Veterinary Science*, 49, 29\_33.

Kyvsgaard NC, Ilsøe B, Henriksen SAa, Nansen P (1988) An Attempt to Evaluate the Spreading of Taenia saginata Eggs in the Environment. Acta veterinaria scandinavica, 29, 511\_513.

[Projects](#)

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