



#### Outline

• Introduction

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- · Field study results
  - Prevalence
  - · Prophylaxis & Treatment
- Conclusion





## Acknowledgements



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## Why are umbilical infections a challenge?







Veterinærforlig III

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**Farmers** 

Danish Crown

Marie Gry Bodenhoff Hansen





# Why are umbilical infections a challenge?

### **Umbilical outpouchings**





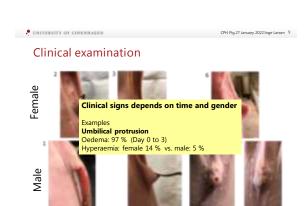
Finishers are UNFIT for transport







Umbilical examination: 10 herds 2021 piglets





Umbilical microbiology

• As data are not published yet, they are unfortunately not part of these notes.





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#### UNIVERSITY OF COPENHAGEN CPH Pig 27 January 2022 Inge Larsen 14

- Prophylaxis Antimicrobial alternatives
- Autogenous vaccination
- · Iodine spray of the umbilical area
- · Herd differences



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Treatment	Sows prefarrowing	Piglets
Group	6 and 3 weeks	at birth
1	Placebo	+ iodine
2	Placebo	+ iodine
3	Vaccine	+ iodine
4	Vaccine	+ iodine

CPH Pig 2021

CPH Pig 27 January 2022 Inge Larsen 16

CPH Pig 27 January 2022 Inge Larsen 15

#### Prophylaxis - Antimicrobial alternatives

- Wet cords disinfected with Chlorhexidine and dipped in Stalosan  $F^{\$}$  -> tendency to fewer umbilical outpouchings



Master's Thesis in Animal Science 2021 The management of newborn piglets for the prevention of umbilical outpouching development.

• Onging PhD study. Field trial with interventions on wet umbilical cords with i.e. chlorhexidine and NSAID



 Envirnonment Management • (Genetics)

Marie-Louise Hansen

New born piglet anatomy

