PRESENTER:
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METHODS

In 2022-2025, we collected 345 intrauterine samples for diagnosing endometritis (inflammation) and intrauterine bacteria.

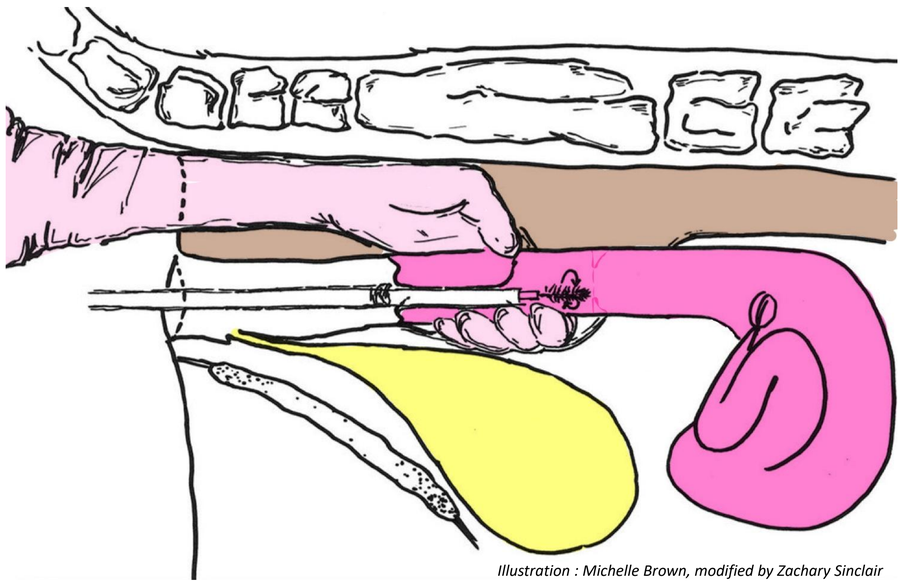
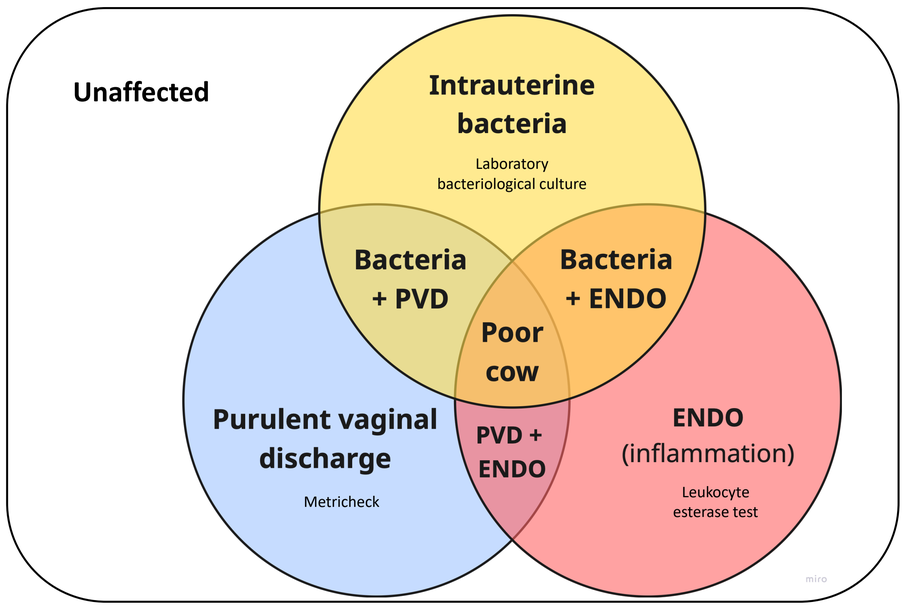
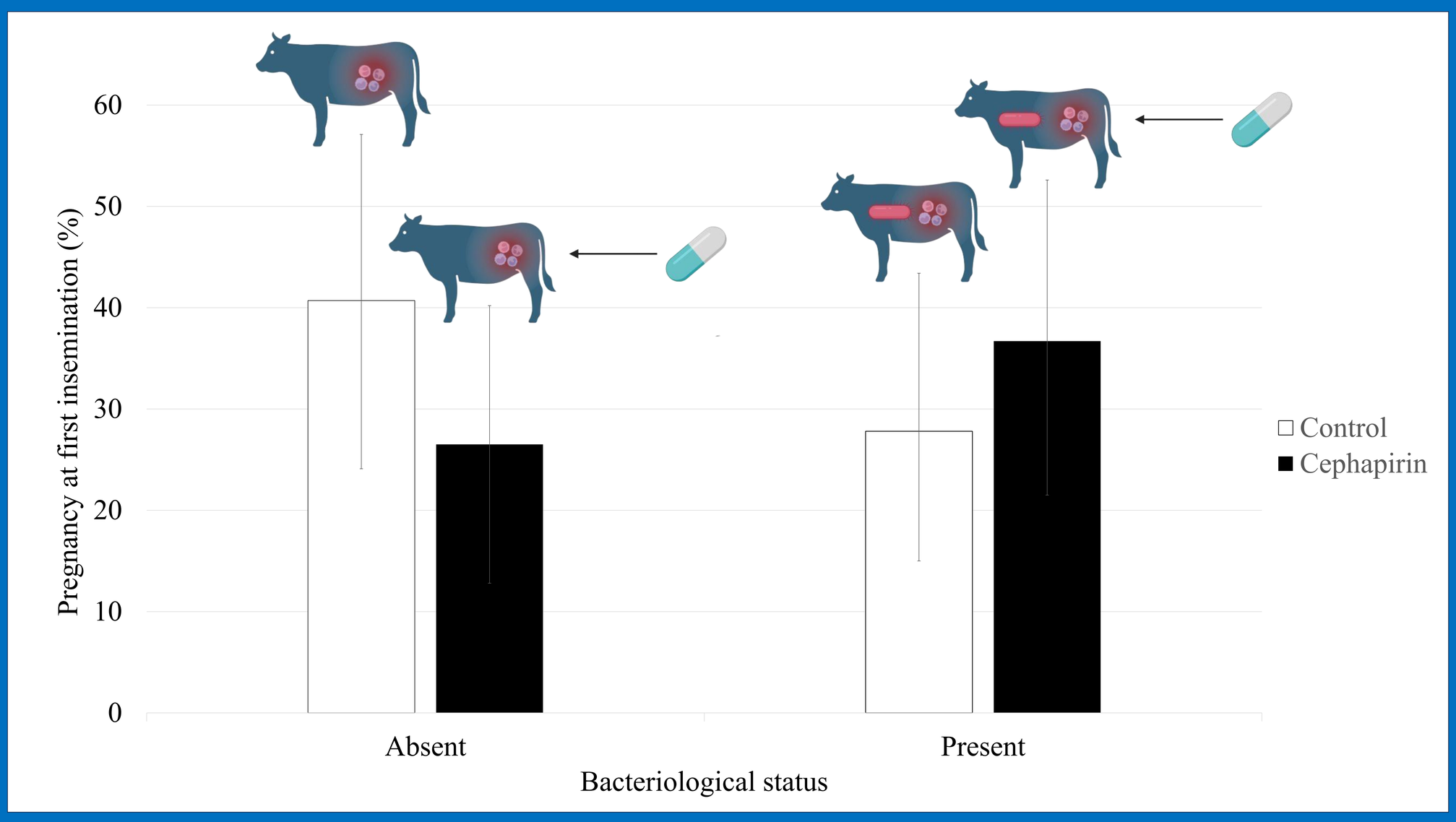


Illustration : Michelle Brown, modified by Zachary Sinclair

Possible reproductive system status, 28-42 days post-partum.



Uterine bacteriological status modifies how intrauterine treatment impacts reproduction in dairy cows with endometritis



The cephapirin treatment was detrimental for cows **without bacteria**.

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Endometritis (ENDO)
Treatment with 640mg of cephapirin benzathine (Metricure® Merck Animal Health)
Intrauterine bacteria

What implications do these results have for our understanding and next steps?

First study demonstrating the impact of the treatment according to the uterine bacteriological status.

Next steps:

- Bacterial identification.
- New diagnostic tools.

… Stay tuned for the publication…!

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Merck Animal Health provided the treatments for the trial. Z. Sinclair was a summer intern with Merck Animal Health during the preparation of the publication. The study design, sampling strategy, data analyses, interpretation of findings, and publication decisions were determined solely by the authors.

MERCK Animal Health

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