

Refid: 1, There and Back Again: A Review of Residency and Return Migrations in Sharks, with Implications for Population Structure and Management. Chapman DD, Feldheim KA, Papastamatiou Y, Hueter RE

1. Study refID

2. Study design

Clinical trial (naturally occurring disease)

Challenge trial (induced disease)

Observational study

Clear Response ()

3. What country is the study done in?

- ☐ USA
- ☐ Canada
- ☐ Not reported
- ☐ New Zealand
- ☐ United Kingdom (N.Ireland, England, Scotland, Wales, R. of Ireland)
- ☐ England
- ☐ Germany
- ☐ Australia
- ☐ Turkey
- ☐ Norway
- ☐ Netherlands
- ☐ Argentina
- ☐ Switzerland
- ☐ France

Permanently add an answer to this question ()

4. What is the setting?

Not reported

Commercial dairy

Research facility

Commercial and research

Clear Response ()

5. What is the year of conduct? (This is the year of conduct, not the year of publication. If not reported, type NA)

6. What year was the study published?

7. What is the breed of cattle?

- ☐ Not reported
- ☐ Holstein/Friesian
- ☐ Jersey
- ☐ Cross-bred/multiple breeds
- ☐ Hessian
- ☐ Norwegian Red

Permanently add an answer to this question ()

8. Number of herds enrolled (NR for not reported)

9. Herd inclusion criteria (NR if not reported)

10. Herd exclusion criteria (NR if not reported)

11. Cow inclusion criteria (NR if not reported) -
how were cows selected to be enrolled in the study?

12. Cow exclusion criteria (NR if not reported)
Were any cows removed AFTER enrollment?

13. What lactation(s) were eligible for enrollment?

Pre-partum heifers ONLY

First lactation and greater

Second lactation and greater

Not reported

Heifers and greater

third lactation only

Permanently add an answer to this question ()

Clear Response ()

14. Were animals with existing intramammary infections (IMI) EXCLUDED from participation in this study?

Yes

No

Clear Response ()

15. Are results presented seperately for cows with NEW INFECTIONS?

Yes

No

Clear Response ()

16. How are NEW INFECTIONS defined?

Not reported

No growth initially, then any pathogen growth

A NEW pathogen identified on the follow up sample

Clear Response ()

20. How was IMI assessed prior to the intervention?

Culture

SCC (specify)

Other (specify)

Clear Response ()

21. How many milk samples were taken to classify IMI?

...

22. When were the samples taken relative to dry off (NR if not reported)

...

24. Who took the milk samples?

Select an Answer ▼

Clear Response ()

25. Is baseline data reported as-- summary or arm-based

☐ summary

☐ arm based

☐ not reported at all

Clear Response ()

34. Are there ANY outcomes in the manuscript regarding CLINICAL MASTITIS or INTRAMAMMARY INFECTIONS (IMI)?

- ☐ Clinical mastitis
- ☐ IMI

37. What outcomes are reported in the manuscript?

ONLY EXTRACT DATA FROM LISTED OUTCOMES BELOW

- ☐ Clinical mastitis during the first 30 DIM
- ☐ Intramammary infection (IMI) at calving
- ☐ Intramammary infection (IMI) during the first 30 DIM
- ☐ Total antibiotic use during the first 30 DIM
- ☐ Milk production (full lactation following intervention) 305M or 305ME
- ☐ First test somatic cell count (SCC) or linear score (LS)
- ☐ Average of first 3 tests SCC or LS
- ☐ Risk of culling (full lactation following intervention)
- ☐ NO APPLICABLE OUTCOMES (do not fill out any further forms)

38. Additional Comments

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1. Outcome Name

Permanently add an answer to this question ()

2. What was used to identify IMI (check all that apply)?

☐ Culture - laboratory☐ NMC guidelines☐ PCR☐ MALDI-TOF☐ Culture - on farm☐ Not reported☐ SCC cut point (define)☐ International Dairy Federation standards

9. Investigators definition of the outcome

the next few questions ask about the way the investigators report

1) The type of outcome data

2) the approach reporting the outcome - summary (preferred) or arm-based

3) the approach to reporting losses to follow-up - summary or arm-based

The forms you are offered will be based on the responses

10. Is this outcome dichotomous or continuous?

☒ Dichotomous☐ Continuous

Clear Response ()

11. Is the outcome reported as summary based or arm based.

☐ Summary based-preferred☒ Arm-based

Clear Response ()

12. Is loss to follow up reported as summary or arm-based

☐ summary☐ by_arm

☐ not_reported

16. Additional comments:

...

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1. Arm treatment

 [Clear Response \(\)](#)

2. Trade name if reported

☐ Orbeseal☐ Teat Seal☐ Boviseal☐ Stronghold☐ SureSeal☐ Not reported☐ Teat Shield☐ Osmonds Modified Teat Seal☐ Intrasil☐ Sellat☐ NOVEL PREPARATION OF methylcellulose, cetylic acid, liquid paraffin, glycerine, methylparabenum, methylroanilium☐ WestfaliaSurge Argentina SRL[Permanently add an answer to this question \(\)](#)[Clear Response \(\)](#)

3. Concurrent treatment?

4. How many days relative to expected or actual calving was the intervention intended to be given?

5. Is there a median or mean number of days reported when the intervention was actually given?

Yes

No

Clear Response ()

9. At what level was the intervention assigned?

Cow

Quarter

Clear Response ()

10. At what level are the results reported?

Cow

Quarter

Clear Response ()

11. Are you extracting arm level outcome data

☒ Yes

☐ No- I extracted summary

Clear Response ()

12. Total number in arm (group)

...

13. Number of herds

...

14. Number of animals with the event

...

15. Are you extracting arm level loss to follow up data

☒ yes

☐ no

16. Reasons for loss to follow up

- ☐ No loss to follow up
- ☐ Not reported
- ☐ Death
- ☐ Concurrent illness

19. Are you extracting arm level baseline data?

- ☐ No- have extracted combined data
- ☒ Yes

Clear Response ()

20. What is the central tendency metric for parity of the animals?

- Mean
- Median
- Not reported

Clear Response ()

21. What was the mean/median parity of the animals?

...

22. What is the spread measure for the parity of the animals?

- ☐ Range
- ☐ Standard error of mean (SEM)
- ☐ Standard deviation (SD)
- ☐ Not reported

23. Spread_# for parity of the animals

...

24. What is the central tendency metric for the age of the animals?

Mean

Median

Not reported

Clear Response ()

25. Mean/median age

...

26. What is the spread measure for the age of the animals?

- ☐ Range
- ☐ Standard error of mean (SEM)
- ☐ Standard deviation (SD)
- ☐ Not reported

27. Spread_# for age of the animals

...

28. Comments

...

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1. What is the event being modelled?

yes_infection(CM/IMI)

no_infection

Clear Response ()

2. Treatment 1 (numerator)

Bismuth subnitrate

External teat sealant (describe)

Control (placebo/no treatment)

Clear Response ()

3. Concurrent treatment?

No treatment

IMM antibiotic (specify):

Parenteral antibiotic (specify):

Other (specify):

Clear Response ()

4. Treatment 2 (denominator)

Bismuth subnitrate

External teat sealant (describe)

Control (placebo/no treatment)

Clear Response ()

5. Concurrent treatment?

No treatment

IMM antibiotic (specify):

Parenteral antibiotic (specify):

Other (specify):

Clear Response ()

6. Number analysed (treatment 1)

7. Number analysed (treatment 2)

8. Summary effect

- ☐ Risk ratio
- ☐ Odds ratio
- ☐ Hazard ratio
- ☐ Not reported - but summary
- ☐ Backtransformed/estimated/adjusted proportion PER ARM value

24. Adjusted for

- ☐ Nothing_Univariate
- ☐ Herd
- ☐ Cell count group (Higher/Lower)
- ☐ Drying off status (different IMI)
- ☐ Farm
- ☐ Parity
- ☐ Dry period length
- ☐ last DHIA recorded milk yield
- ☐ calving month
- ☐ last test SCC before dry off
- ☐ Teat end shape
- ☐ Quarter
- ☐ between cow variance
- ☐ Breed
- ☐ Quarter position
- ☐ Parity x treatment
- ☐ Month of dry off
- ☐ cow nested within a herd
- ☐ Interval between calving and postcalving sampling
- ☐ previous SCC status
- ☐ treatment
- ☐ linear score
- ☐ month
- ☐ Days post-partum sampling
- ☐ Calving date
- ☐ Age

- ☐ treatment X CSCC
- ☐ treatment X BAC
- ☐ clustering on cow
- ☐ Days in Milk
- ☐ Not reported

Permanently add an answer to this question ()

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