

Recommendations for selective dry cow therapy

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STØTTET AF

Mælkeafgiftsfonden

SEGES
INNOVATION

Lærke Boye Astrup

- Chief Scientist in Diagnostics, SEGES Innovation, 2022
- Maternity leave, 2021–2022
- Founder and Head of the Mastitis Laboratory, Center for Diagnostics, Technical University of Denmark, 2019-2021
- Postdoctoral Researcher, Danish Veterinary Institute, 2016-2018
- Ph.D. University of Copenhagen, 2016
- Maternity leave, 2011-2012 and 2014-2015
- Doctor of Veterinary Medicine, 2009



Michael Farre

- Ph.D 2019-2025
- FAO appointed a specialist in milk and milk quality in 2022
- Danish Veterinary and Food Administration appointed Specialist in Udder Health and Milk Quality 2019
- MBA Economic & Strategy 2013
- Certificate Dairy Herd Management 2010
- DVM 2005
- Dairy farming background
- Extensive experience with consulting and teaching in Europe, the Middle East, and North America



Photo: Lærke Boye Astrup

Agenda

1. Presentation of the participants
2. Project plan
3. Status GAP analysis and review group
4. Pharmaceutical view on selective DCT, Thomas Manske, Boehringer Ingelheim
5. Discussion and editing of the GAP analysis
6. Discussion and editing of the literature review
7. Discussion of dissemination – Bulletin, fact sheet, and webinar

Project objectives

1. Review practices, policies, and guidelines related to Selective Dry Cow Therapy (SDCT) in leading dairy-producing countries – in progress!
2. Identify gaps in the evidence-based application and standardization of SDCT – in progress!
3. Develop globally harmonized SDCT guidelines under the leadership of the International Dairy Federation (IDF), incorporating input from key stakeholders
4. Advocate for responsible antimicrobial use and enhanced udder health by implementing best practices for SDCT.

GAP – identify the material available or missing

The objective of the GAP analysis is to identify available materials and potential information gaps, as well as current recommendations from around the world.

Develop recommendations based on the GAP analysis and the literature review, which will target two different levels of development in the dairy industry

Review, notes so far

- Narrative review including literature, national data/experiences and perhaps GAP-analysis?
 - A report with a chapter-structure
 - Part 1: antibiotics, part 2: "alternative treatments" like hormones, ITS etc.
 - Definition(s) of SDCT
 - Yet undecided how much will fit into a review-publication *per se*.
- Clarify expectations from IDF
- Design template for national data collection (Brussel meeting).

Project timeline

Work package	Work package focus	Activity	2025				2026				2027			
			1	2	3	4	1	2	3	4	1	2	3	4
WP 1 lead: MIFA	GAP analysis	GAP analysis			x	x	x							
		Follow-up meeting						x						
		Development of recommendations							x	x	x			
WP 2 lead: LBA	Literature review	Identify current literature for SDCT both at the cow and quarter levels			x	x	x							
		Follow-up meeting online						x						
		Development of recommendations							x	x	x			
WP 3 lead: MIFA	Disseminate result	Fact sheet development based on literature alone – one to target consultants and one to target dairy farmers									x	x		
		Bulletin editing									x	x	x	
		Webinar with recommendations											x	

Expected impact

- Harmonized, science-based SDCT practices aligned with regional and global stewardship goals
- Targeted antibiotic use in dairy production at dry-off
- Strengthened international cooperation in livestock antibiotic management facilitated by the IDF

Thanks for your attention!

Questions and comments will be highly appreciated!



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