

INSTRUCTIONS HAND MILKING TECHNO & HYGIENE (Level 1)

Topic	Training & information Content
7.1	Instructions hand milking techno & hygiene
7.2	Instructions machine milking good practise & ...
7.3	Problems during milking
7.4	Scoring of teat condition
7.5	Milk production recording
7.6	Calculation of costs hand vs machine milking
7.7	Which milking parlour to choose
7.8	Testing and maintenance of milking machines
7.9	Milking and cleaning routine in milking parlours
7.10	Storage and cooling of milk on farm



1. You will learn about (learning objectives):

- Personal hygiene before milking
- Preparation for hand milking
- Pre- and post- milking tips



2. Background

‘The story of milk’

Watch video: <https://www.youtube.com/watch?v=4mna9h7iHrg>



The image shows a screenshot of a YouTube video player. At the top, the YouTube logo is visible on the left, and the video URL 'https://www.youtube.com/watch?v=4mna9h7iHrg' is in the address bar. The video frame shows a person standing in a field at sunset, with the text 'The Story of Milk' overlaid. Below the video, the title 'Story Of FrieslandCampina Milk' is displayed, along with '17,982 views · Nov 26, 2015'. Interaction buttons for 'Like' (100), 'Dislike', 'Share', 'Clip', 'Save', and a menu icon are present. At the bottom, the channel name 'Life at FrieslandCampina' is shown with a colorful star logo, and a red 'SUBSCRIBE' button is on the right.

3. Personal hygiene

Before “hand” milking starts.



Be aware of (personal) hygiene.

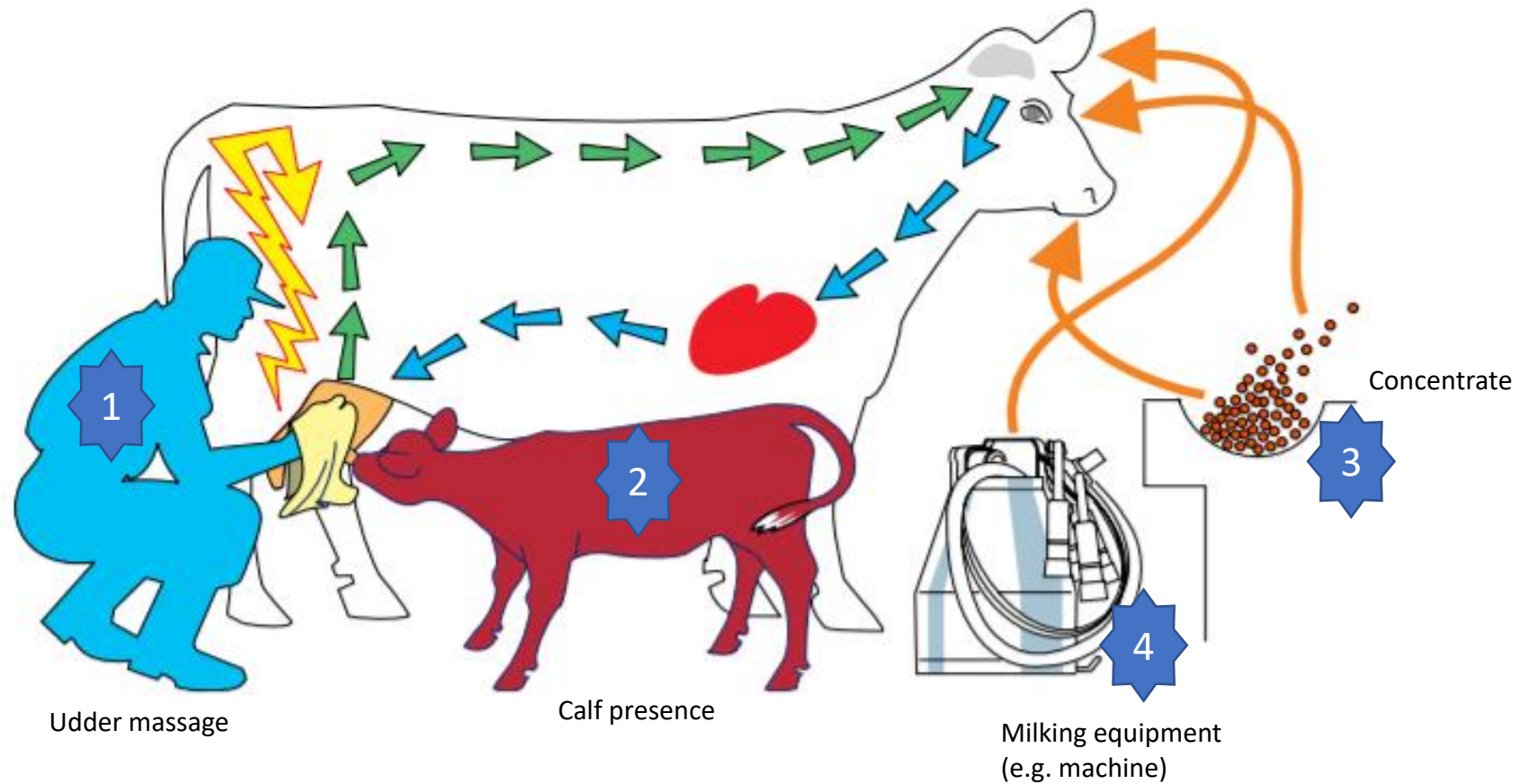


For high quality milk

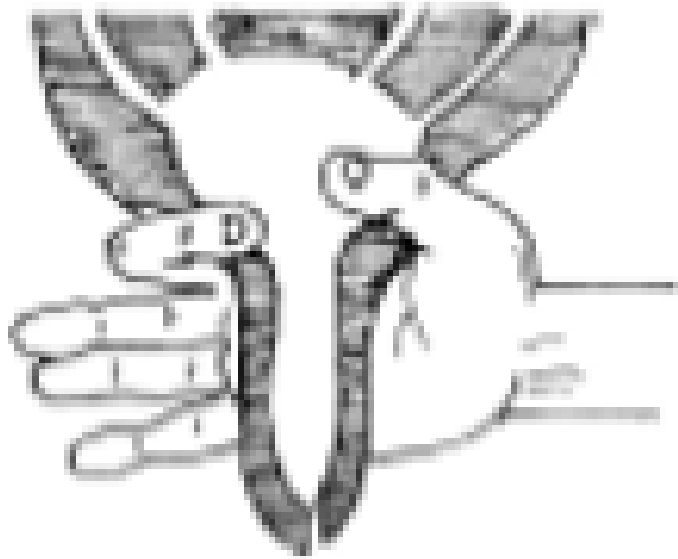


4. Preparation for hand milking

- Before you start milking the cow, its important to prepare/inform the cow for easy milk let down.

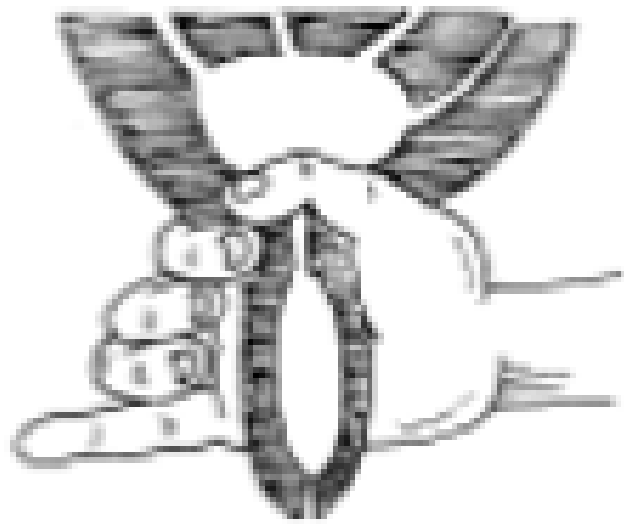


5. Hand milking technique: How to hold the teat



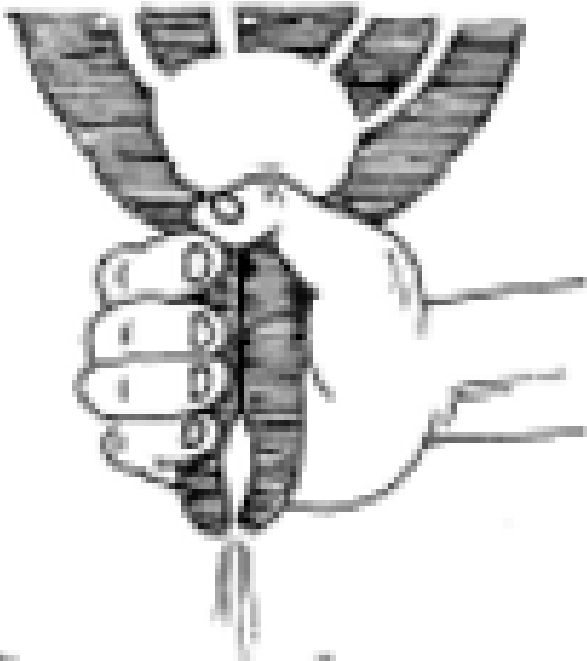
1; Grasp the teat with your thumb and first finger.

5.1 How to hold the teat Cont'd...



2; In order, close the second and the third finger and the milk will squirt out.

5.2 How to hold the teat Cont'd...



3; Close the little finger and squeeze the teat with whole hand.

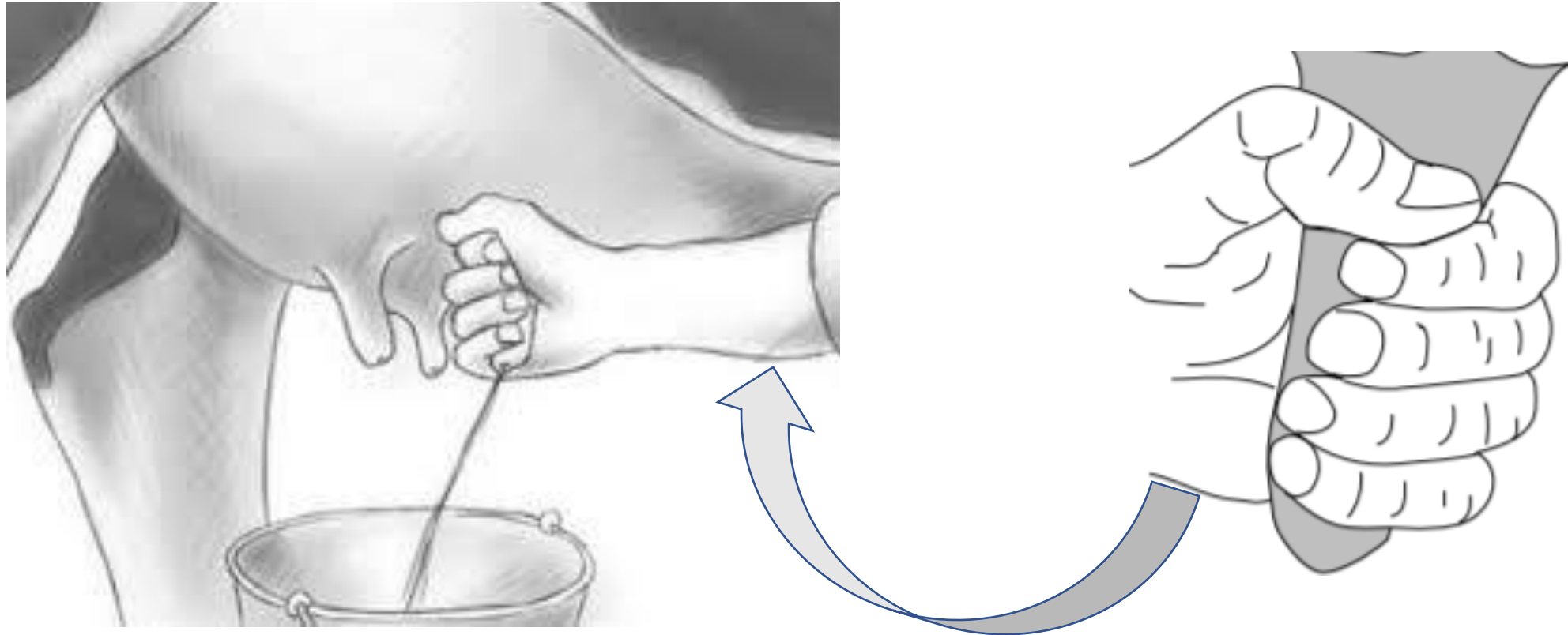
5.3 How to hold the teat Cont'd...



4; Release the teat so that the teat will be filled with milk again. Repeat till the quarter is empty.

5.4 How to hold the teat for milk let down

- The technique of milking is crucial for the milk let down and for long term milk quality/udder health.



6. Stripping the teat

- Pulling the teats causes pain and on the long term may damage the teat canal. On the very long term it may cause mastitis.



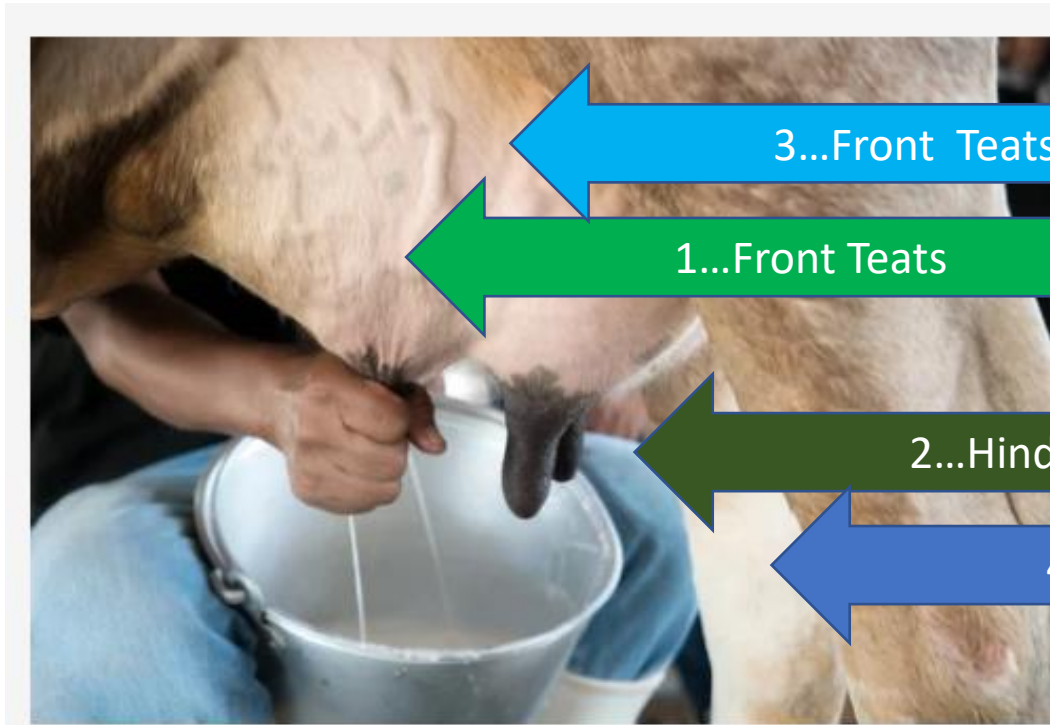
6.2 Stripping the teat Cont'd: Full hand milking



Full hand milking is the most convenient milking method for the cow as well as the farmer.

7. Summary of the milking procedure

The milking procedure in four steps



1. Empty the two front quarters thoroughly.
2. Move to the rear quarters.
3. Check the two front quarters again!
4. Finally check rear quarters.

8. Complete milking

- When the milker is able to “milk” a huge layer of foam, it means that the cow is milked fast and with a proper technique.

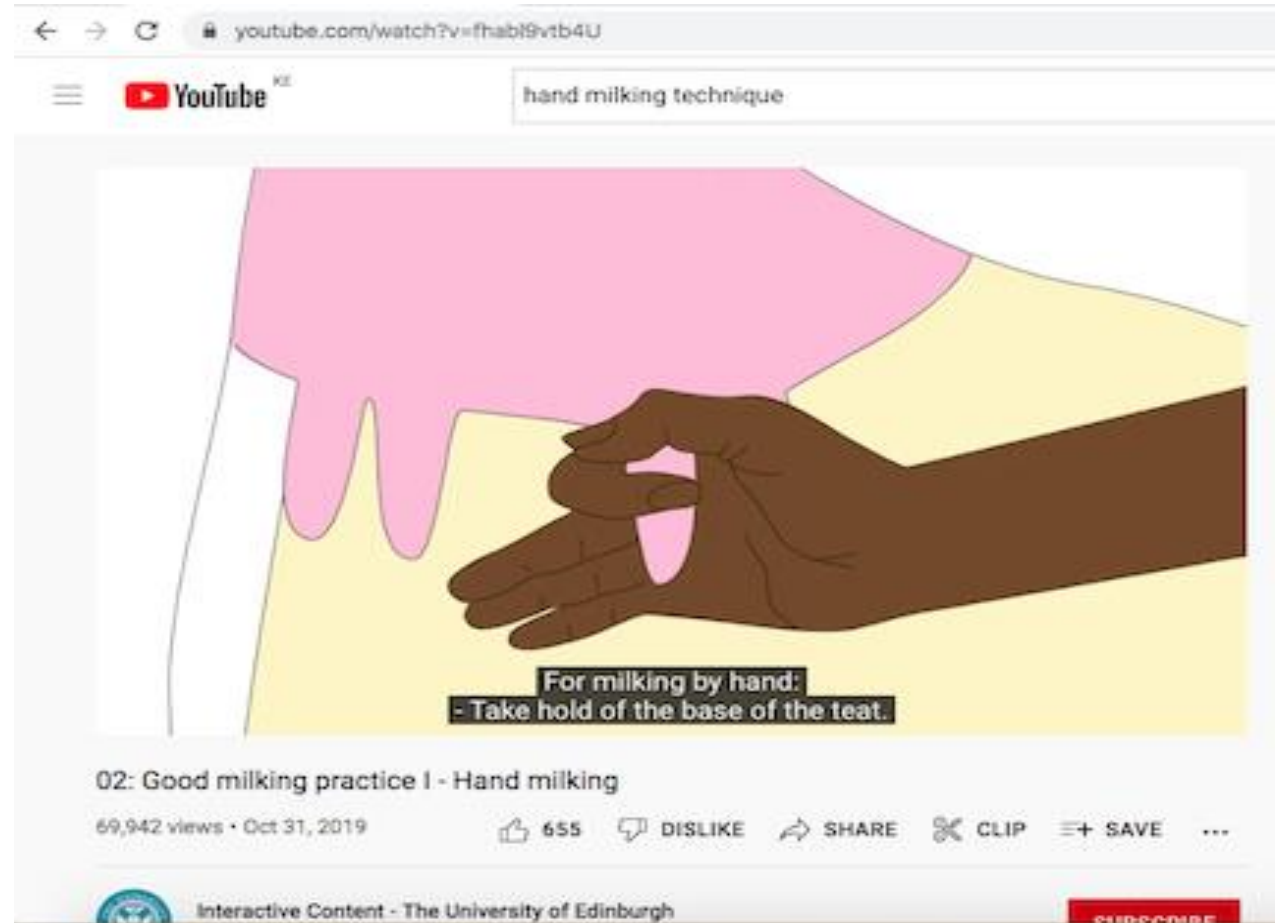


9. Milking techniques

Lets take a look how hand milking is being practised.

Watch video:

<https://www.youtube.com/watch?v=fhabl9vtb4U>



The image shows a screenshot of a YouTube video player. The browser address bar at the top displays the URL "youtube.com/watch?v=fhabl9vtb4U". The YouTube logo and a search bar containing "hand milking technique" are visible. The video content is a diagram illustrating hand milking. It features a pink teat with milk dripping from it, and a brown hand holding the base of the teat. A text box at the bottom of the diagram reads: "For milking by hand: - Take hold of the base of the teat." Below the video player, the video title "02: Good milking practice I - Hand milking" is shown, along with "69,942 views • Oct 31, 2019". Interaction icons for likes (655), dislikes, share, clip, save, and a menu are present. At the bottom, the text "Interactive Content - The University of Edinburgh" and a "SUBSCRIBE" button are visible.

10. Take home messages/Summary

1. Personal hygiene hugely impacts milk quality.
2. Personal hygiene controls mastitis transmission.
3. All equipment used before/during and after hand milking need to be clean and disinfected.
4. Use correct milking technique (how to hold the teat).

Remember: Everything mentioned in previous slides is emphasized on quality and quantity!

