Prudent use of Antibiotics

Mastitis and treatment

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støttet af Mælkeafgiftsfonden

Prudent use of antibiotics for mastitis

Antibiotic consumption for cattle:

- 70% for <u>adult</u> cattle
- Mainly for <u>mastitis</u>
- Administered in the <u>muscle</u>





What is mastitis?





- Reduce NUMBER of TREATMENTS
- Reduce AMOUNT per TREATMENT
- Reduce NUMBER of INFECTIONS

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Reduce NUMBER of treatments on farm

- Antibiotics only for infection with bacteria!
- Only 50% of the cows treated are cured because of the • treatment.
- Select cases that cures because of treatment... •







INFECTION













	Abnormal milk	Abnormal udder	Sick cow
Grade	Clots, flakes, watery, discoloration	Swollen, red, warm, hard, painful	Fever > 39,5°C, depressed, yield loss, no appetite
1		p	
2 Moderate			
3 Severe			

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- Reduce NUMBER of TREATMENTS
- Reduce AMOUNT per TREATMENT
- Reduce NUMBER of INFECTIONS

Reduce AMOUNT of antibiotics per TREATMENT

We use mainly tubes AND injection – BUT tubes are enough in most cases!



- Reduce NUMBER of TREATMENTS
- Reduce AMOUNT per TREATMENT
- Reduce NUMBER of INFECTIONS

Reduce NUMBER of INFECTIONS

- Hygiene
- Stop spreading bacteria













<u>Prudent</u> use of antibiotics in treatment of calves and mastitis



- Healthy animals
 - Less disease less need for antibiotic treatment
- Reduce number of treatments
 - Sick animals should be treated
 - Supportive treatment (painkiller, fluid \cdots) is as important as antibiotics
 - Treat with antibiotics only if bacteria \rightarrow antibiotics kill bacteria
- Prevent antimicrobial resistance
 - Resistance makes it more difficult to treat the next case
 - Don't feed antibiotic milk for calves or humans
 - Treat local and with penicillin if possible





Questions?