Prudent use of Antibiotics

Mastitis and treatment

Kvægkongres, Herning,

3.Maj 2022

35 landmænd, dyrlæger mm.



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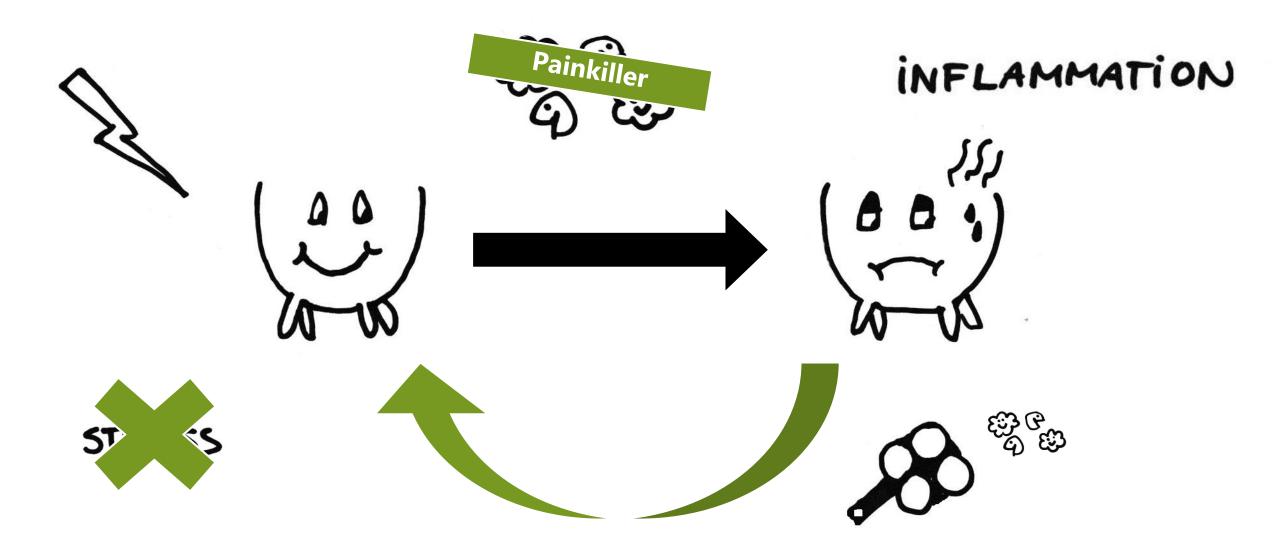
Prudent use of antibiotics for mastitis

Antibiotic consumption for cattle:

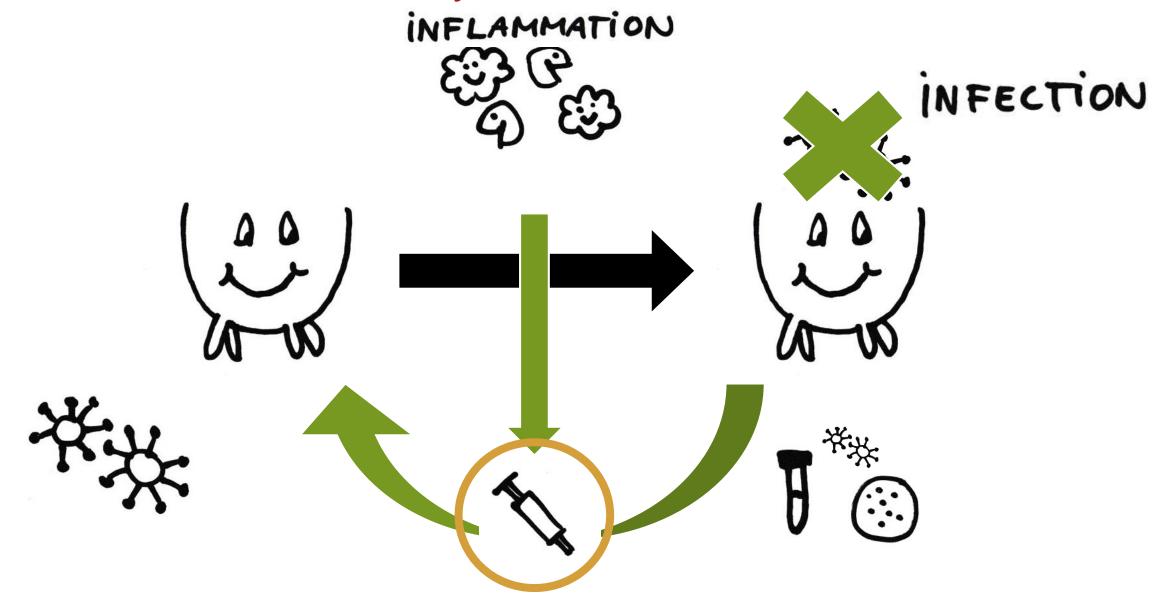
- 70% for adult cattle
- Mainly for <u>mastitis</u>
- Administered in the <u>muscle</u>



What is mastitis?



Mastitis is often caused by infection with bacteria



Reduce NUMBER of TREATMENTS

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Reduce AMOUNT per TREATMENT

Reduce NUMBER of TREATMENTS

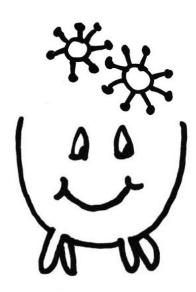
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Reduce AMOUNT per TREATMENT

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INFECTION

- 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...









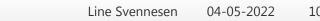


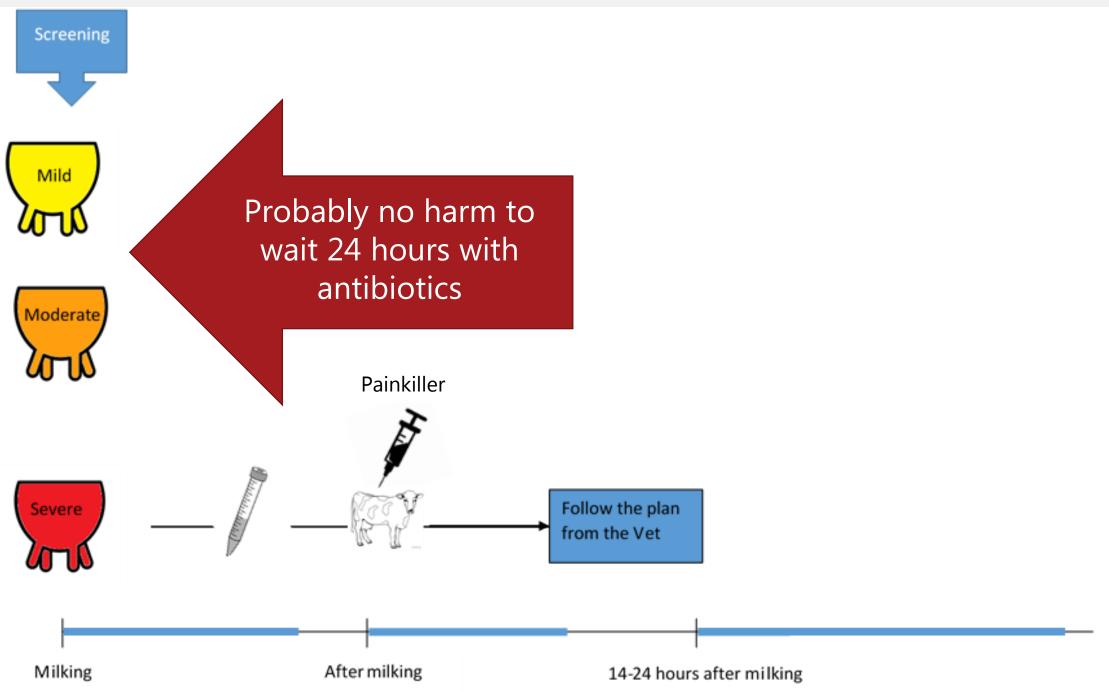




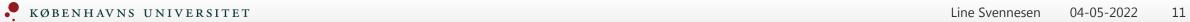


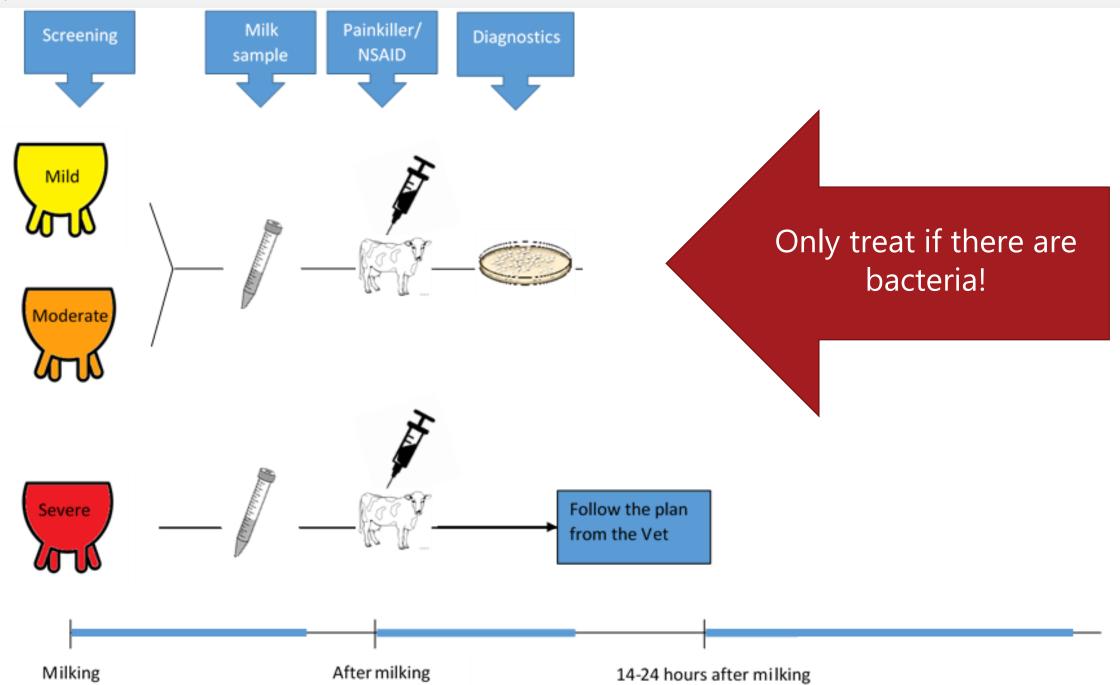
	Abnormal milk	Abnormal udder	Sick cow
	Clots, flakes, watery,	Swollen, red, warm, hard,	Fever > 39,5°C, depressed,
Grade	discoloration	painful	yield loss, no appetite
1			
2 Moderate			
3 Severe			

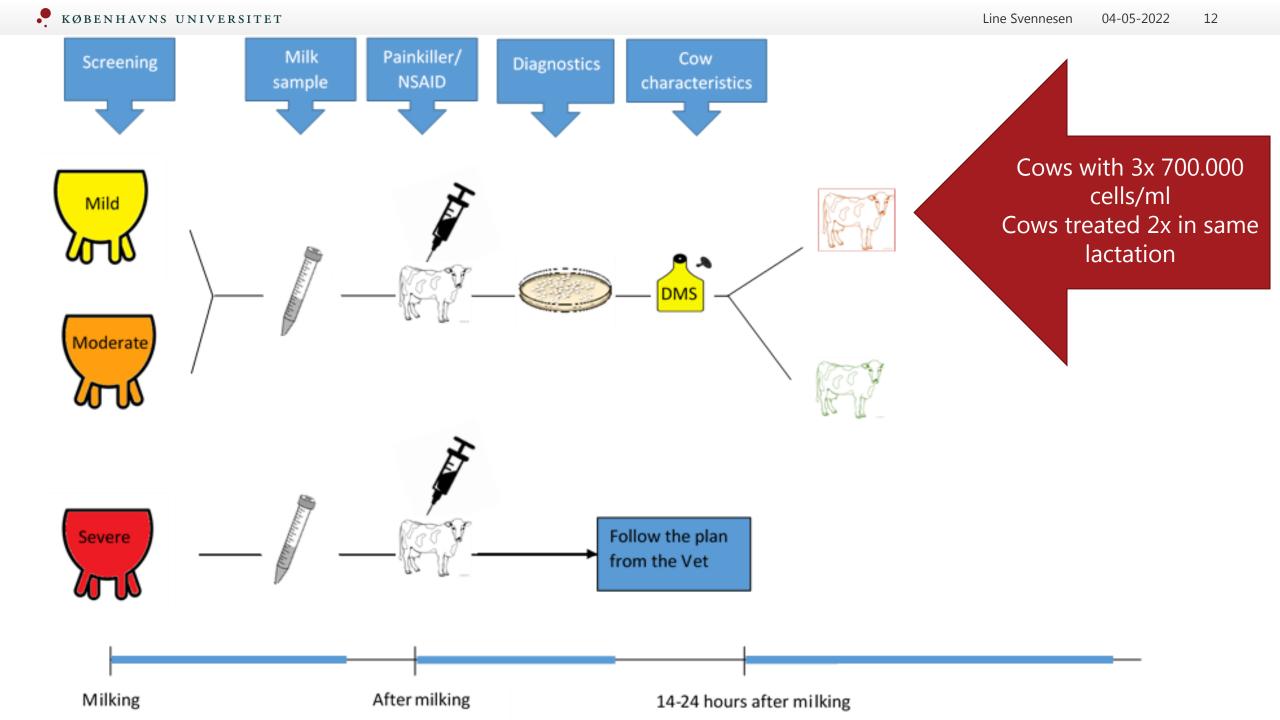


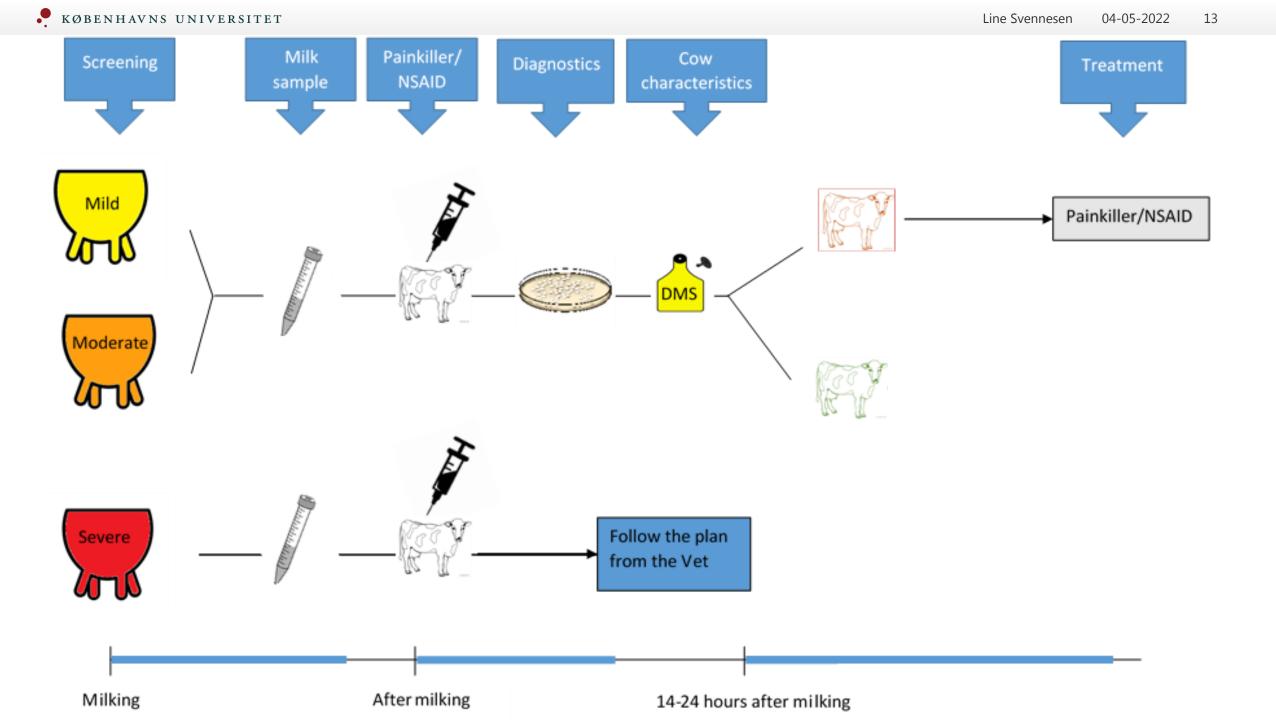


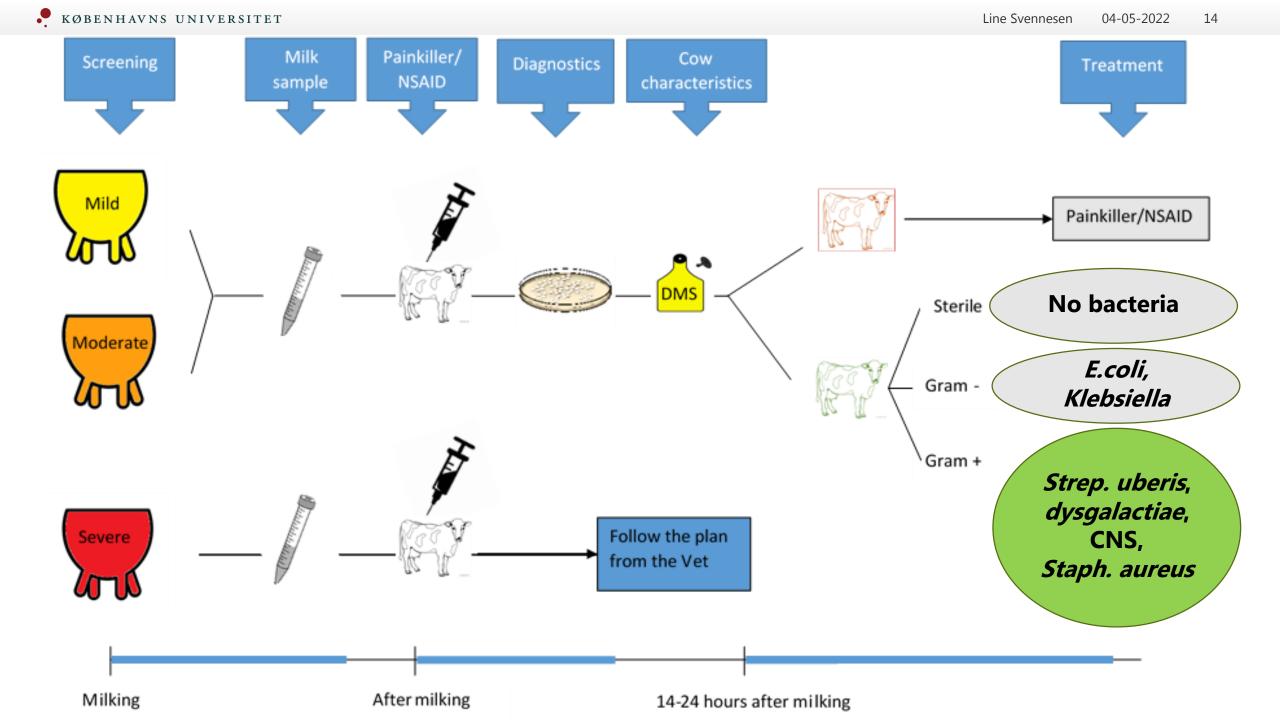
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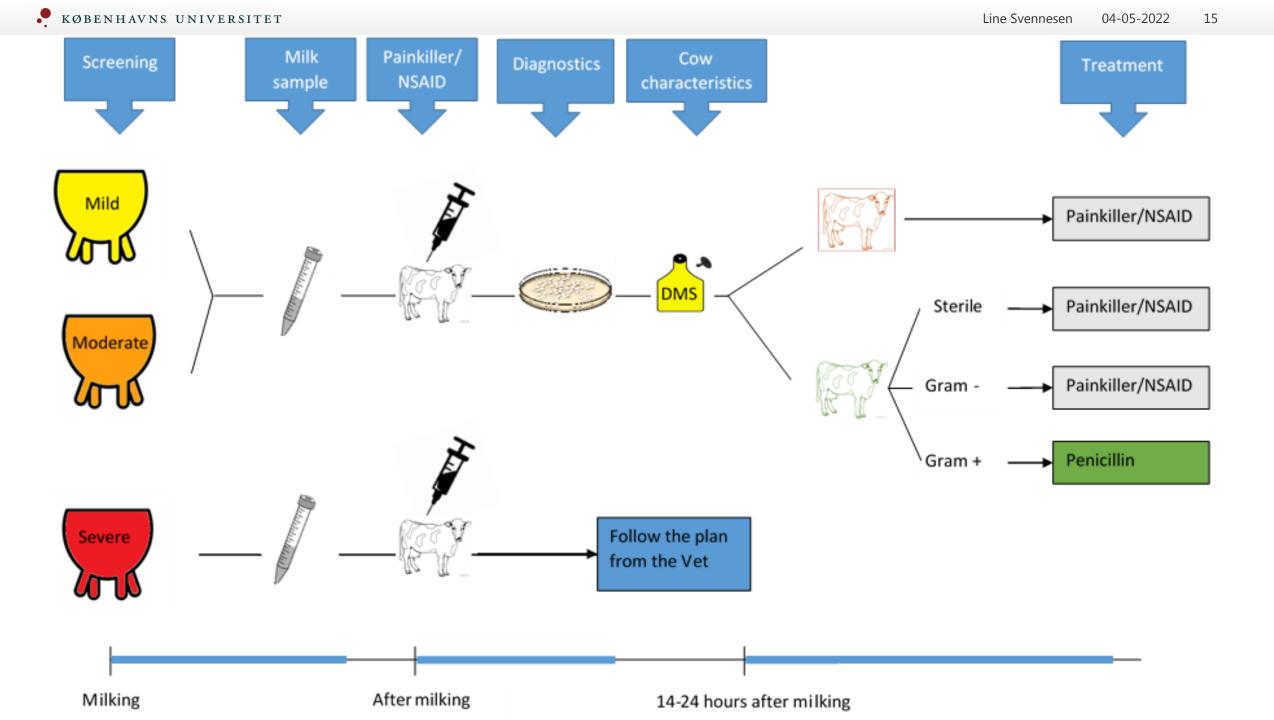










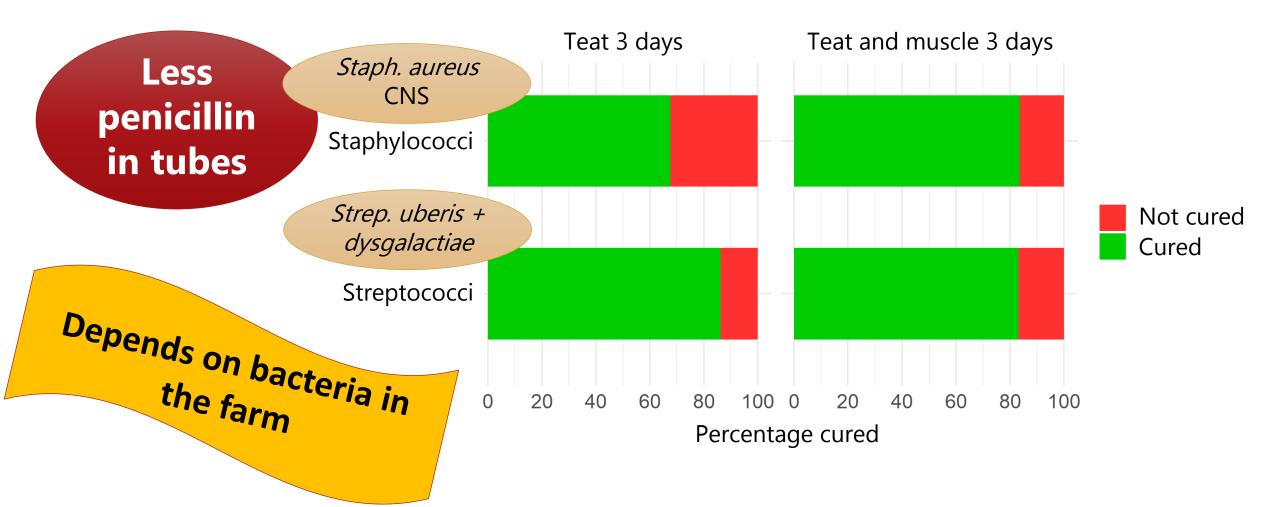


Reduce NUMBER of TREATMENTS

Reduce AMOUNT per TREATMENT

Reduce AMOUNT of antibiotics per TREATMENT

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



Reduce NUMBER of TREATMENTS

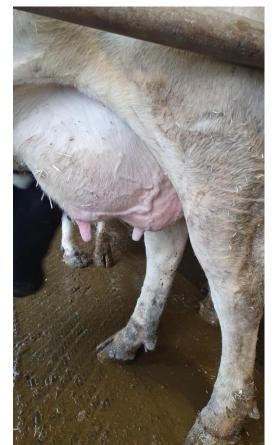
Reduce AMOUNT per TREATMENT

Reduce NUMBER of INFECTIONS

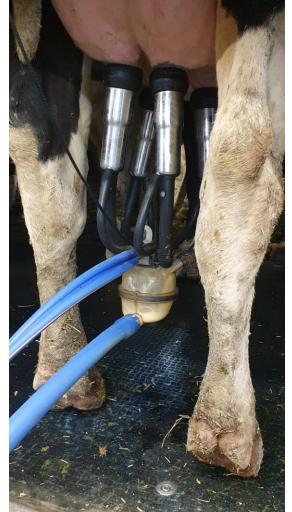
Hygiene

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• Stop spreading bacteria

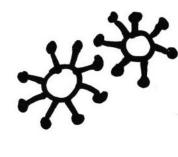


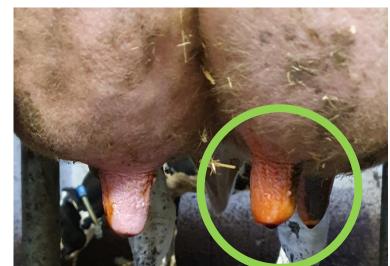












Prudent use of antibiotics in treatment of calves and mastitis

... as
little as
possible

... as much as needed



- Healthy animals
 - Less disease less need for antibiotic treatment
- Reduce number of treatments
 - Sick animals should be treated
 - Supportive treatment (painkiller, fluid…) is as important as antibiotics
 - Treat with antibiotics only if bacteria → 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



