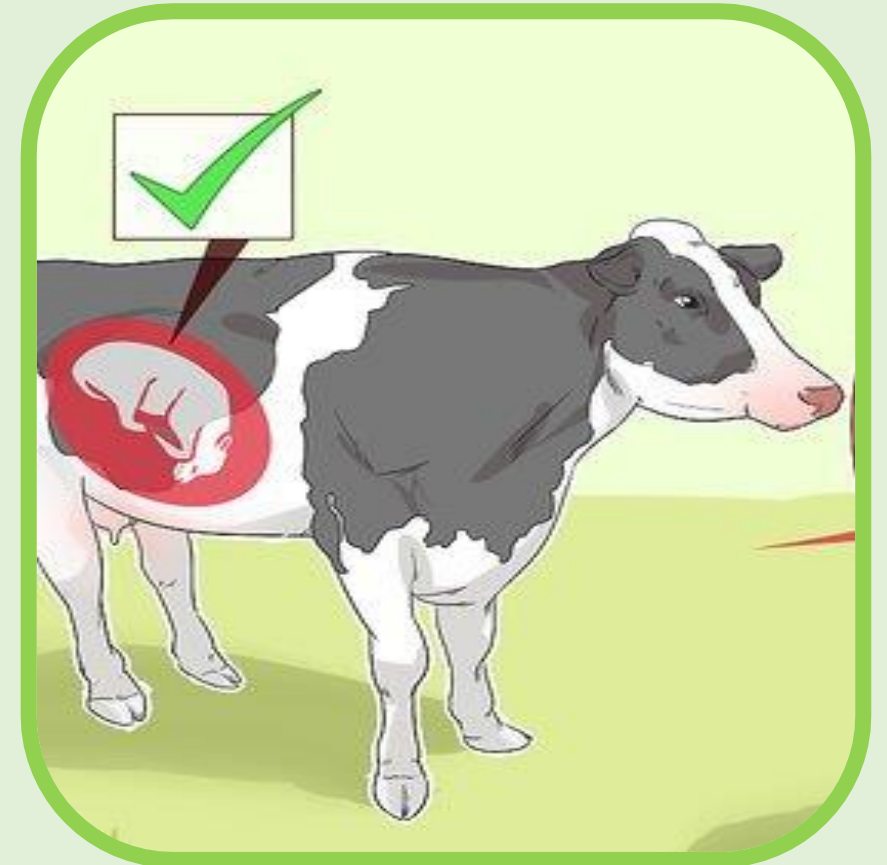


PREGNANCY DIAGNOSIS

Level 1

Topic	Training & information Content
5.1	Dairy Cattle Breeds and Breeding
5.2	Breeding program for a dairy farm (medium & large)
5.3	Conformation, Type classification and judging
5.4	Cow handling
5.5	Milk production recording
5.6	Heat Detection
5.7	Artificial Insemination
5.8	Pregnancy Diagnosis
5.9	Fertility Management
5.10	Cows with abnormal discharge
5.11	Fertility disease recording
5.12	Calving recording
5.13	Use of Key Performance Indicators



Pregnancy Diagnosis (Level 1)

You will learn about:

- ❑ How to tell your cow is pregnant
 - Basic introduction to Pregnancy Diagnosis (PD)
 - (Methods of) Pregnancy Diagnosis in cows at different stages

Pregnancy Diagnosis (Level 1)

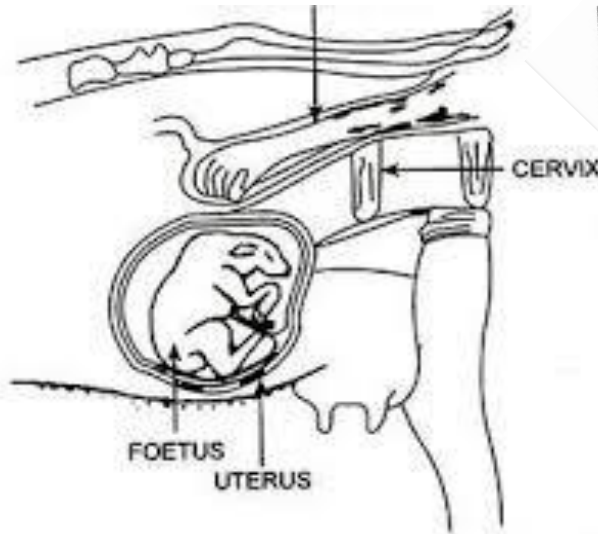
Pregnancy Diagnosis

Background

- Pregnancy diagnosis (PD) is done to tell if your cow is pregnant
- PD can be done by a;
 - **Qualified veterinarian** though Rectal palpation (manual) or Use of Ultrasound device
 - **Farmer** through Punching

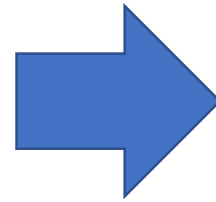


Ultrasound Device (USD)



Manual (rectal palpation)

Pregnancy Diagnosis (Level 1)



- PD is done after the cow has been served either by Artificial Insemination (AI) or bull



Photo: Felix, KE

Let's go find out if you conceived



- Try to find out as soon as possible whether she conceived (is pregnant) or not (empty cow).

Pregnancy Diagnosis (Level 1)

What does “As as soon as possible” mean?

19-23 days later (after insemination)



If the cow look relaxed and does not show any heat signs 19-23 days (av. 21 days) , she may be assumed pregnant



The cow shows heat signs, she may not have conceived (not pregnant/open cow)

Pregnancy Diagnosis (Level 1)

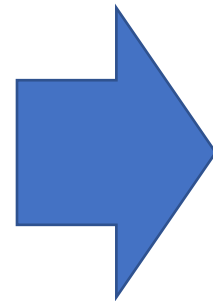
It is possible to do Pregnancy diagnosis:

Day 30 (after insemination)



Photo: Felix, KE

No heat signs 30 days after insemination



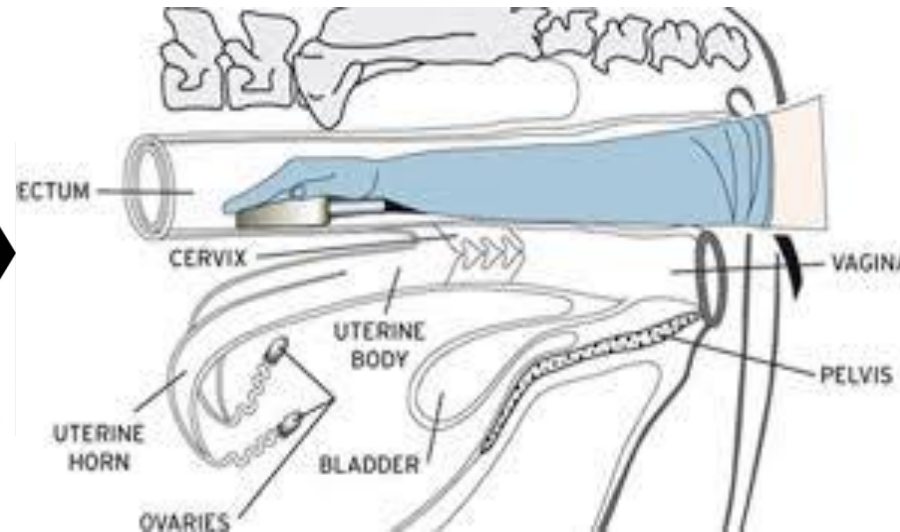
Call a qualified and/or experienced veterinarian to confirm pregnancy



Pregnancy Diagnosis (Level 1)

Ultrasound Device method

- The veterinarian will use a machine known as Ultrasound Device (USD) is effective and reliable at this time



- Present all other cows that haven't shown any heat signs for confirmation of pregnancy



Important: Stimulate heat for cows confirmed empty and have them inseminated as soon as possible

Pregnancy Diagnosis (Level 1)

40-45 days later (after insemination)



At 40-45 days, showing heat signs could mean she is not pregnant/open cow



If at t 40-45 days the cow still look relaxed and does not show any heat signs, she's assumed pregnant; but do another confirmation of pregnancy

Pregnancy Diagnosis (Level 1)

45-50 days later (after insemination) Cont'd



At t 40-45 days the cow still look relaxed and does not show any heat signs?



Call the veterinarian to repeat PD



Second USD check, best between 45th and 50th day after insemination. Manual Rectal palpation also works but requires a very experienced veterinarian



Important: Fresh check all cows inseminated earlier, including re-confirming pregnancies detected at day 30.

Pregnancy Diagnosis (Level 1)

Day 100

- Some pregnancies get lost between day 45 and day 100. Hence, it is important the farmer calls the Veterinarian to re-confirm pregnancy



Important: PD can be done early (i.e. day 30 and between 45-50th days if Ultra Scan Device is available). Otherwise PD from day 90 (Rectal palpation) is still reliable

Pregnancy Diagnosis (Level 1)

- Note that Rectal Palpation by a qualified and/or experienced veterinarian is the most accurate way to confirm a 100 days pregnancy.



Pregnancy Diagnosis (Level 1)

Day 200

- Detecting pregnancy is a continuous practice. At around 200 days, **the farmer** will be able to re-confirm pregnancy by Punching
- Punch on the right-hand side of the cow in between the orange lines by using your fist. You will feel the calf by pushing the blue dots up/down
- For Empty/early pregnant cow, it feels like a water bag.



Pregnancy Diagnosis (Level 1)

Snapshot: Take Home Message

Watch this video



<https://www.youtube.com/watch?v=gDjp-DzXMGY>



I **know** She's Not Pregnant
(I **have** confirmed)

I **don't know** She's Not Pregnant
(I **have Not** confirmed)

- Allows for treatment (if applicable)
- Plan re-breeding

- Increase in number of days open
Loss of Income!!



- END -