



ALPHAVISION

A new view of reproduction



A unique tool for reproduction management and insemination

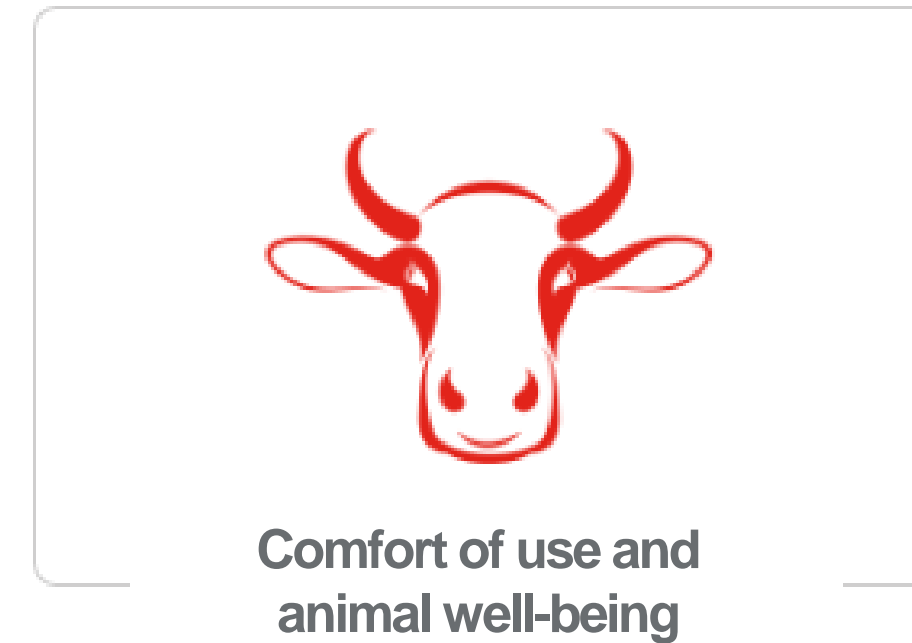
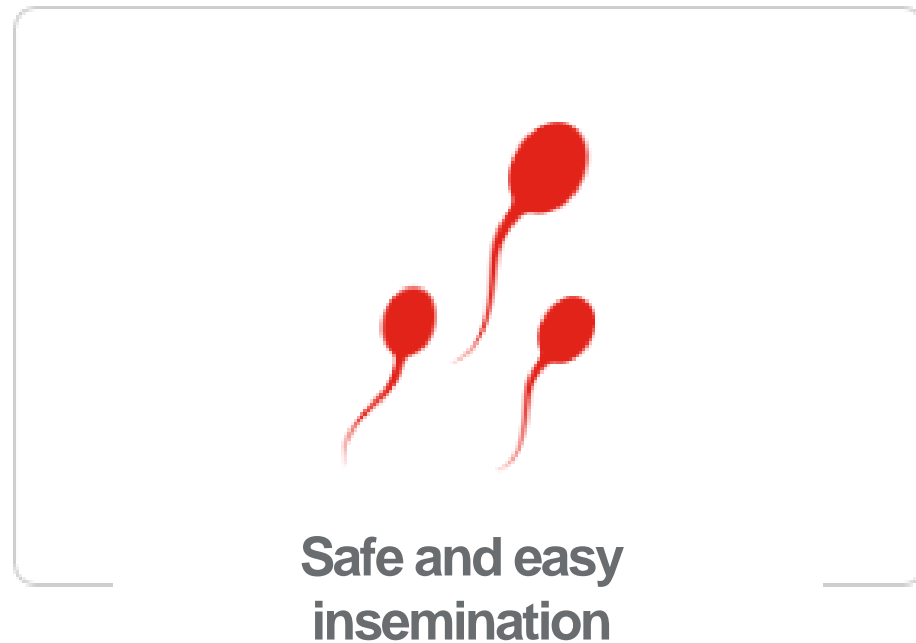
“Conception rate is one variable that is difficult to improve within a herd. To achieve conception, good quality semen must be *inserted correctly* into a *healthy uterus*.”

University of Pennsylvania

ALPHAVISION: A COMPLETE SOLUTION FOR REPRODUCTION MANAGEMENT



AlphaVision is designed for:



Identify potential reproduction problems prior to insemination

Facilitating insemination

Identifying animals with reproduction problems

Providing better training to technicians for more effective AI

Improving the well-being of animals

Reducing technician fatigue

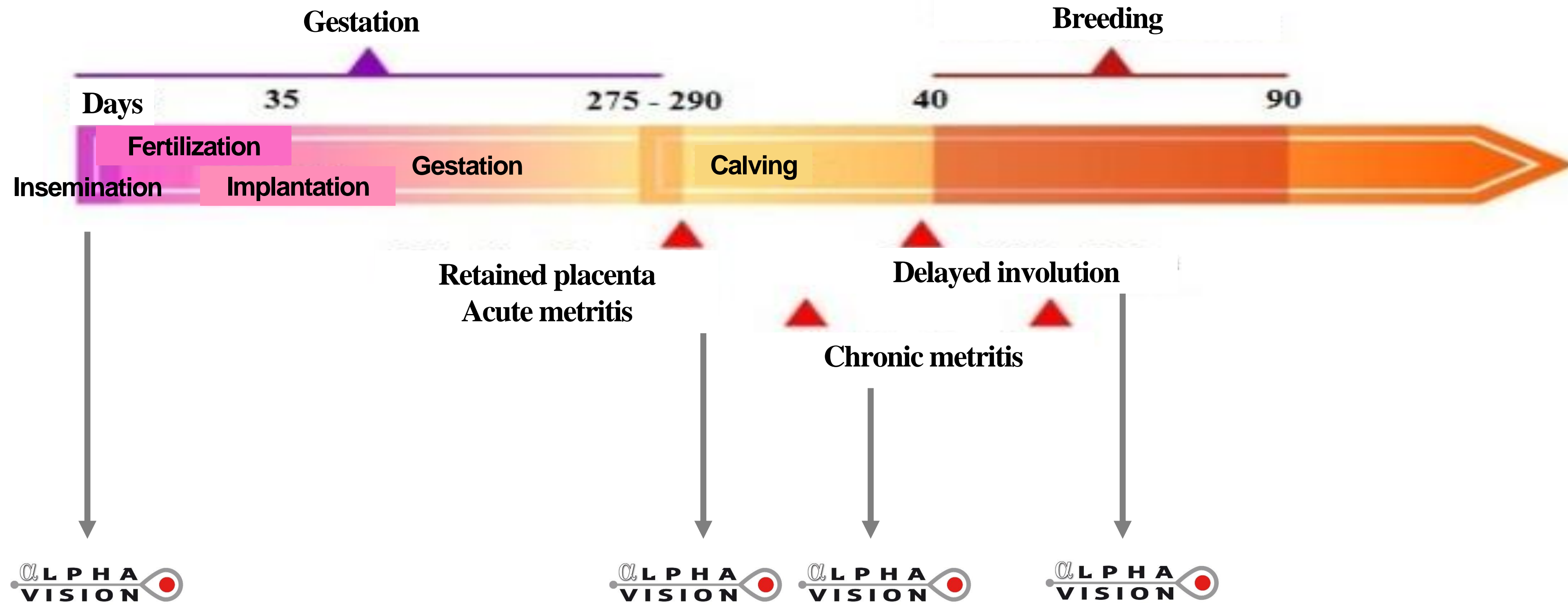
Monitoring animals and cervical involution

➤ Improving productivity, increasing the overall conception rate, and reducing total costs



OPTIMIZE THE ENTIRE REPRODUCTION CYCLE WITH ALPHAVISION

Timeline of uterine pathology onset



Safe and easy insemination

Image analysis and reproduction management

→ Minimized calving interval



ALPHAVISION: USEFUL AT EACH AND EVERY STEP OF REPRODUCTION



BEFORE INSEMINATION

- Quickly identify potential reproduction problems: metritis and deformity.
- Check for cervical involution/ presence of cervical mucus.
- Save identification data and animal photos.

DURING INSEMINATION

- Easily locate the entrance to the cervix with the camera.
- Improve animal well-being by limiting trauma to the reproduction system.
- Improve the well-being of the inseminator with minimal rectal palpation time.
- Make insemination easy in females with reproduction difficulties.

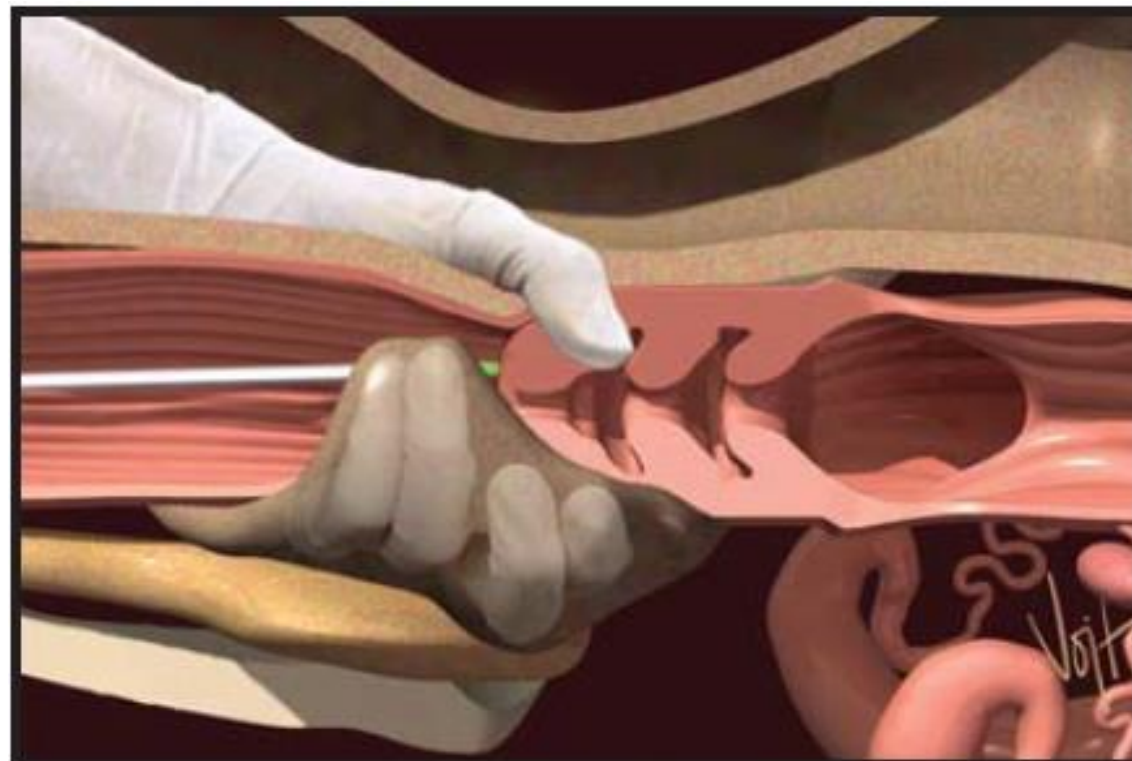
AFTER INSEMINATION

- Inspect and monitor animals.
- Share data.



WITH ALPHAVISION, INSEMINATION IS EASY AND SAFE

WITHOUT AlphaVision



WITH AlphaVision

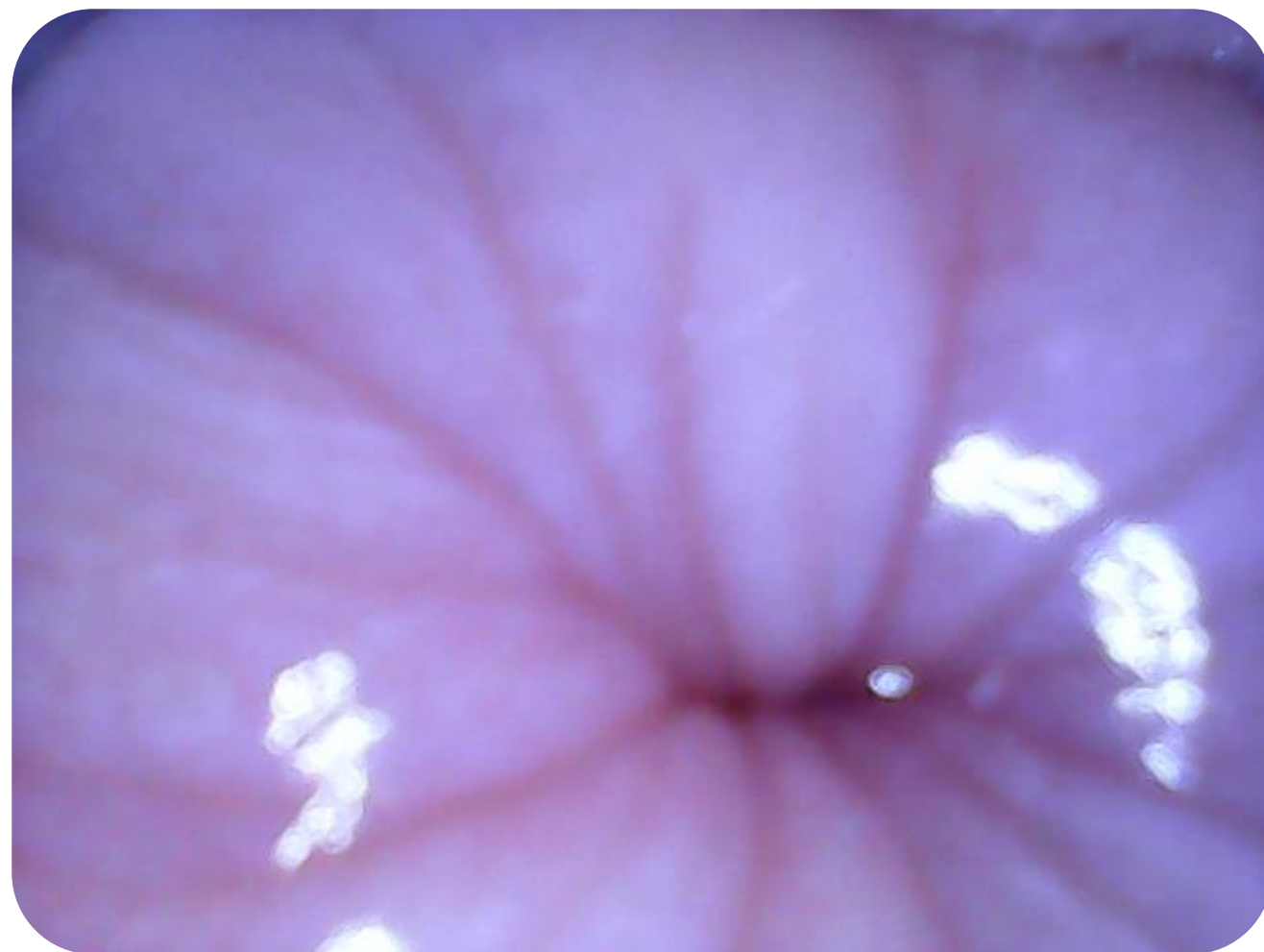


MORPHOPATHOLOGY OF THE CERVIX VIEWED WITH



“Perfect” cervix

➔ Insemination possible

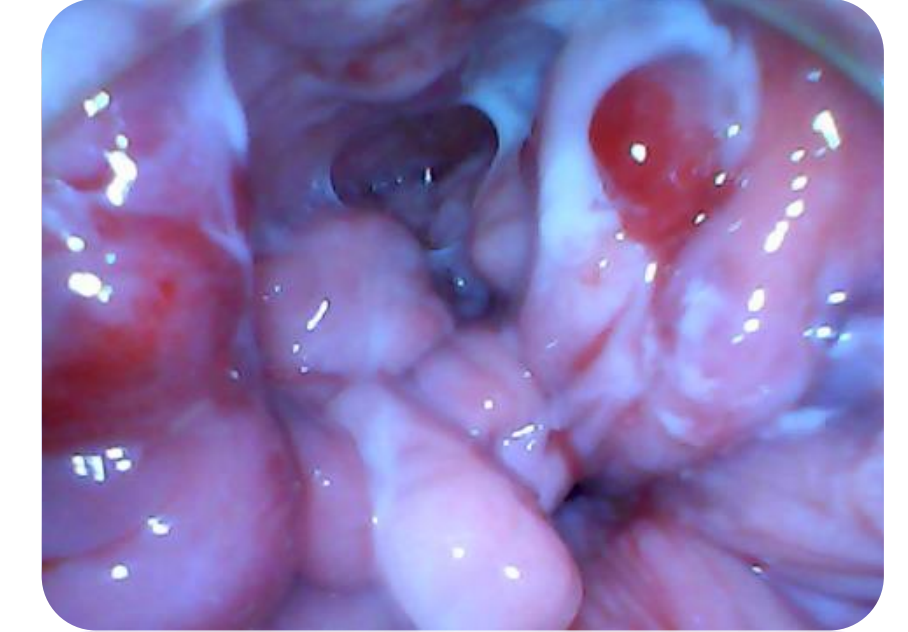


Metritis

Insemination not advised

→ Treat the metritis

Mild metritis



Mild metritis + large cervix

Serious metritis



Metritis with a deposit on the pelvic floor

TREATMENT WITH METRICURE



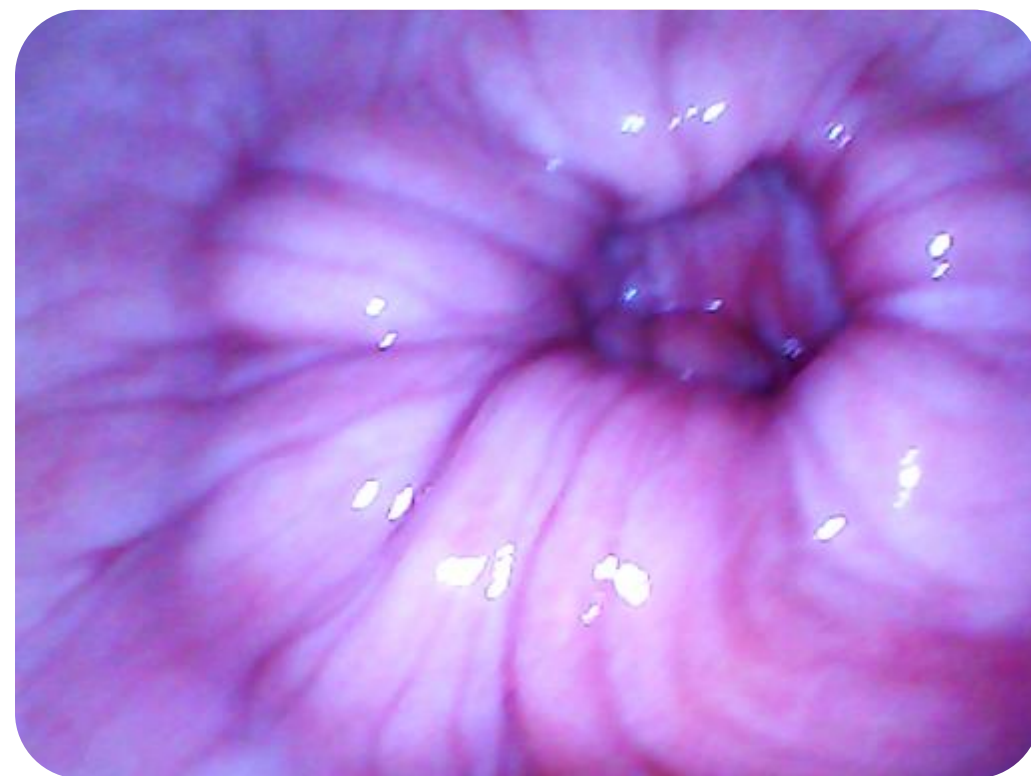
Metritis can be treated with the Metricure syringe and AlphaVision



Cervical involution in progress

Insemination not advised

➔ Wait for the involution to end



Deformities

➔ Insemination possible and facilitated with AlphaVision



Deformity



Membrane before entrance to the cervix



Double cervix

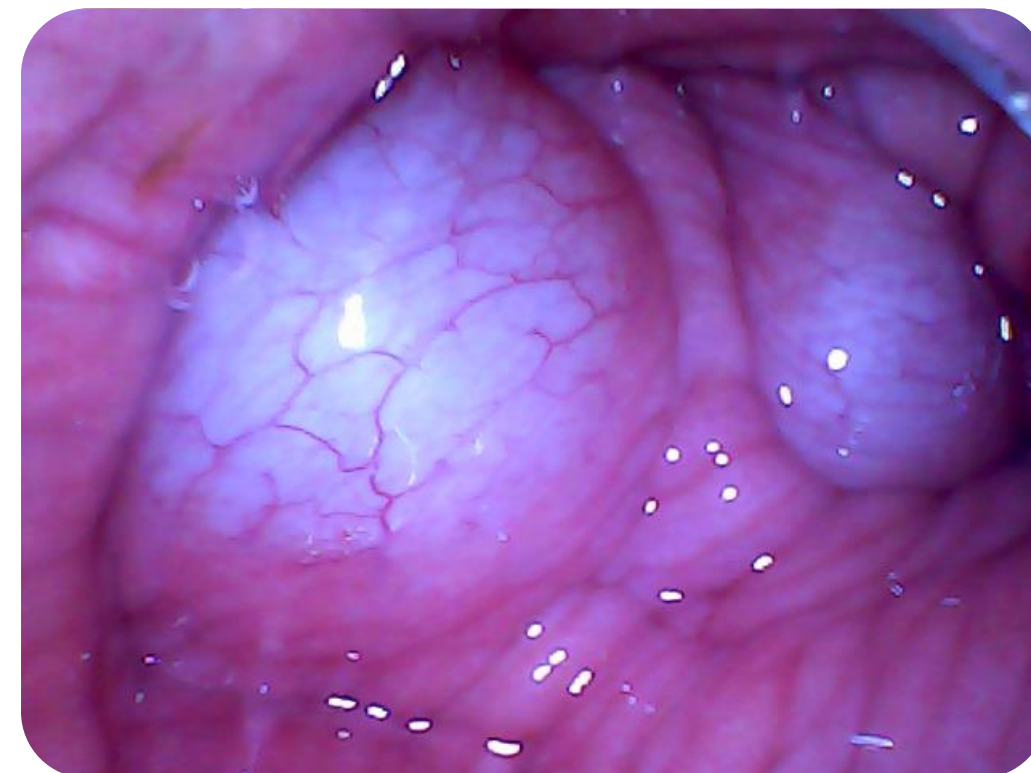


Abnormalities

➔ Insemination possible



Vaginal cysts



Cervical cysts



Miscella

➔ Insemination possible



Blood clot



Flow of mucus

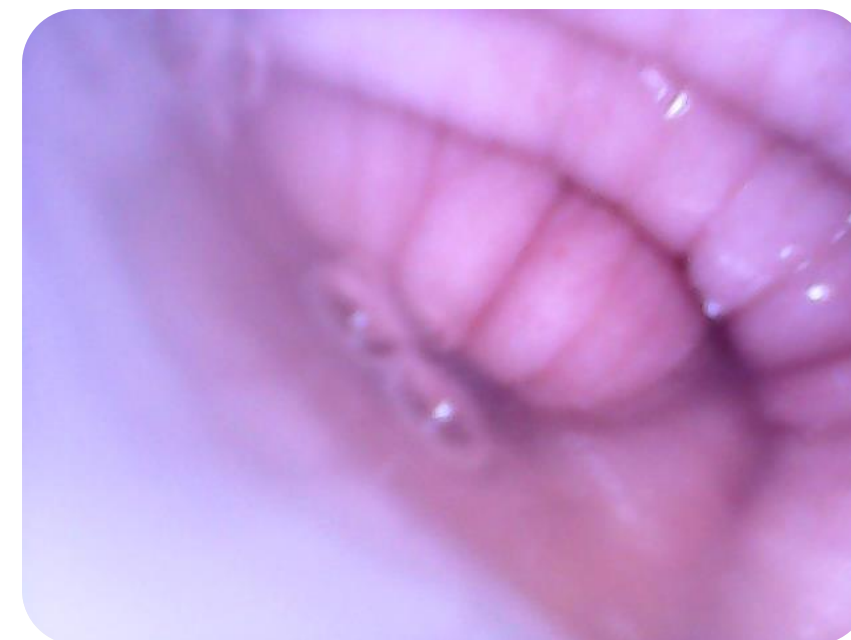
➔ Insemination not advised



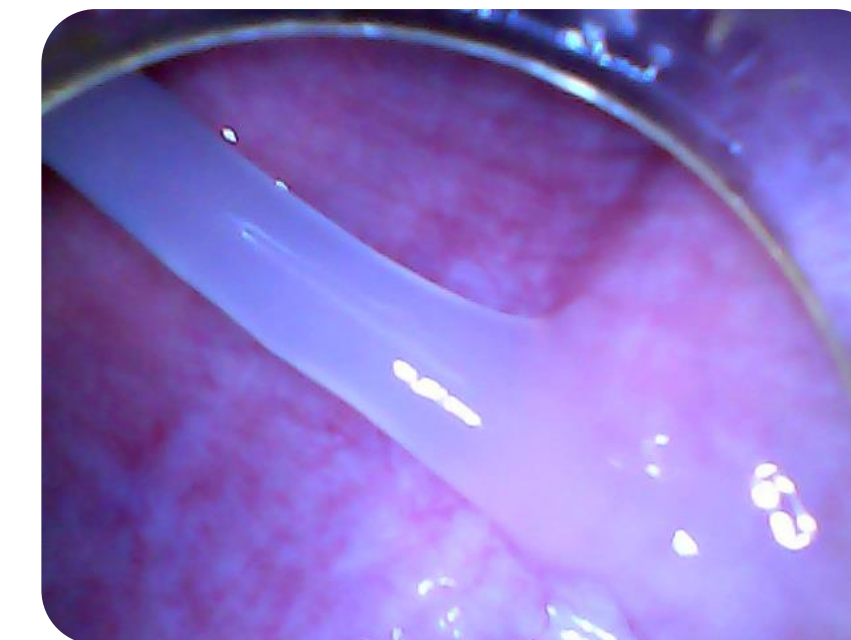
Metritis + improper involution



Cervix after termination



Uterine draining in progress



Problem mucus

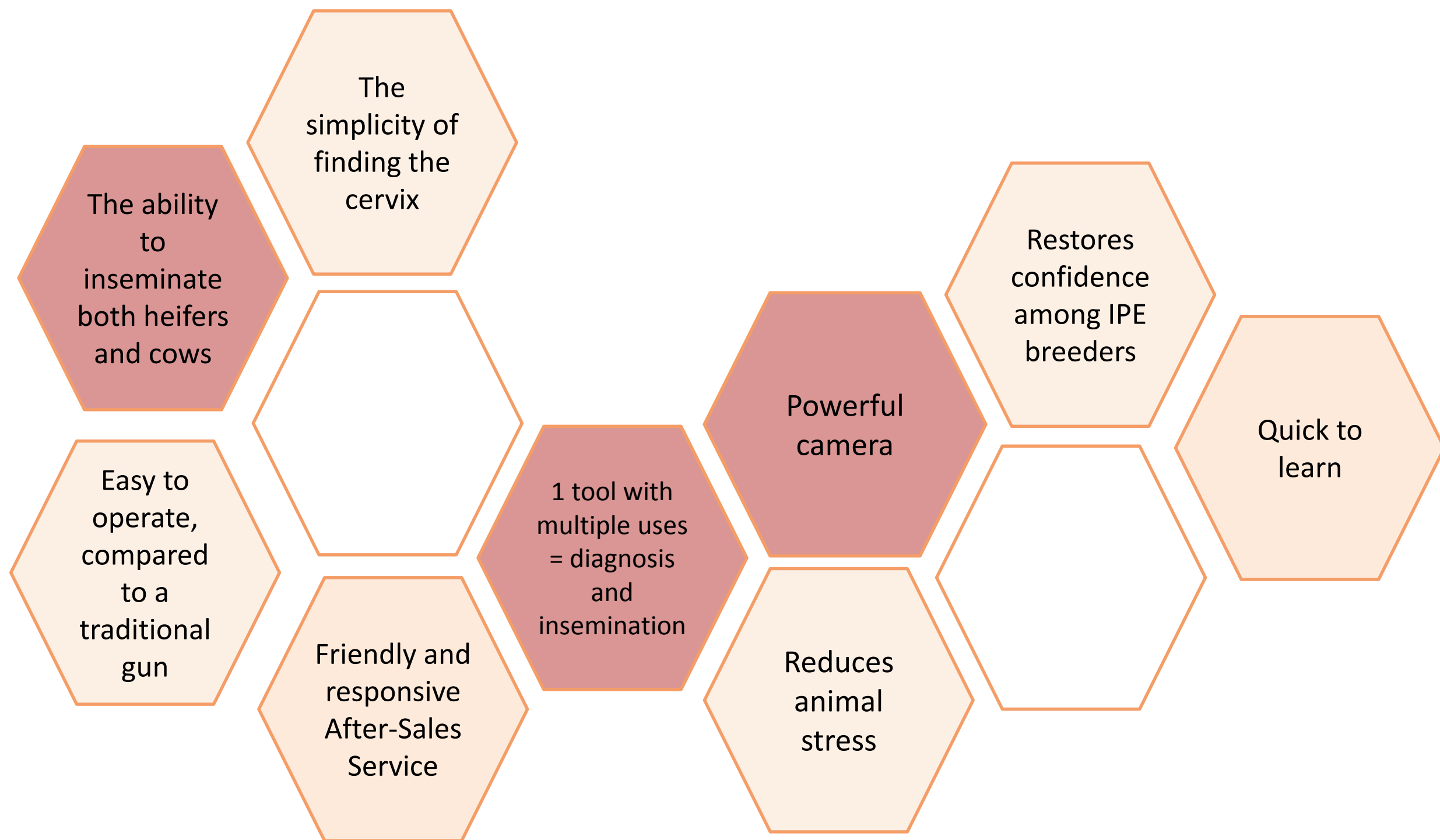


MULTIPLE BENEFITS IDENTIFIED BY USERS

Results of the qualitative study conducted by Hyltel
Approximately 20 people interviewed

100% of users are satisfied and recommend AlphaVision

What people like about AlphaVision



Words to describe AlphaVision



“IMPROVED REPRODUCTION OUTCOMES”: WHAT CUSTOMERS ARE SAYING...



Gabrielle D.

“My associates and I manage a herd of 120 Holstein cows. I’ve been breeding them on my own with AlphaVision since September 2017. I love doing this, and I think that AlphaVision is a wonderful invention for us breeders! By performing the inseminations myself, I’ve gone from 2.5 to 1.6 doses per cow, with about 70 first artificial inseminations. I set myself an initial goal of 2 doses per cow, and the end result is far better than that! I use only conventional Holstein doses. I almost never hold onto the cervix. I make several marks on the Alpha sheath, which allows me to follow the camera with the gun in the cervix. During AI, if the gun does not reach far enough into the cervix, I insert one hand into the entrance of the cow’s rectum, and the cervix instantly dilates because the cow is distracted and relaxes. AlphaVision is truly well designed. By my calculation, it will pay for itself in 8 months. ”

Herd: 75 Montbéliarde dairy cows + 25 heifers.



Christian M.

“I’ve been breeding my cows myself for several years, but I call out the inseminator for my heifers. My success rate was really not good! I got my AlphaVision in early October 2017, and today I inseminate my entire herd. After just 3 months of use, I am very pleased with my success rate. I no longer second-guess what I can do. With AlphaVision, I think that even what’s good about my inseminations can improve! I don’t use AlphaVision for postpartum inspections. I use it on a case by case basis usually on the same day as AI. For inseminations, I do not hold onto the cervix. I’ve had to do that only twice in three months! I’m very happy with my purchase. It’s really an easy-to-use tool that improves reproduction performance! ”



“BETTER FOR THE ANIMALS AND EASY INSEMINATION”: WHAT CUSTOMERS ARE SAYING...



Nicolas V.

“This past winter, I bred 43 cows with AlphaVision. This system is very reassuring as I **avoid - I am sure of it - harming the animal** with the tip of the gun on the cervix or vagina. Before using AlphaVision, this stressed me out the most. AlphaVision, once inside the vagina, allows me to **locate the cervix with ease**, which decreases the bleeding that can be associated with holding the cervix via rectal palpation. Furthermore, **before thawing the straw, I check for infection each and every time, with the help of the camera.** I also pay attention to the **amount of visible cervical mucus** because, in my point of view, the more mucus I can see, the better the result of the AI! Sometimes, at the beginning of the fertile period, there is little mucus. So I prefer to wait a few hours then check again. I inseminate when there is a lot of mucus. **The image gives me a lot of useful information that would be impossible to have without AlphaVision. I will never go back!** ”



Yves L.

“The ease with which you can carry out AI procedures is amazing! It’s child’s play, and anyone can do it! When I’m not there, I no longer worry about letting someone else do the insemination instead of me. ”

Nursing breeder of Blonde d'Aquitaine cattle

“DETECTS INFECTION AND CERVICAL MUCUS”: WHAT CUSTOMERS ARE SAYING...



Giorgia M.

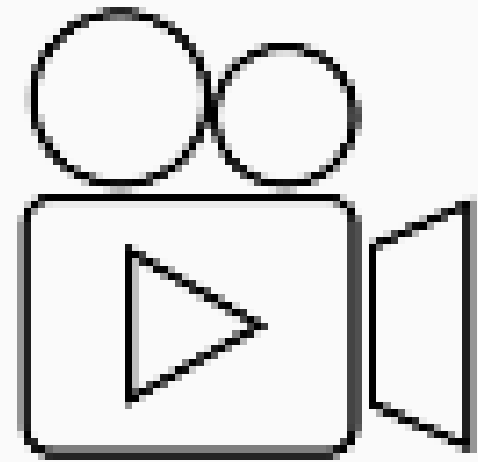
Dairy cattle breeder

“I use AlphaVision to screen for metritis because I breed jersey heifers with sexed semen, and renewal is important. My uncle uses it today when a cow is difficult to inseminate, but when he retires, I will use it for all my AI because it is a modern tool that provides a lot of information about the sanitary status of my cows and because it is very convenient to use. ”

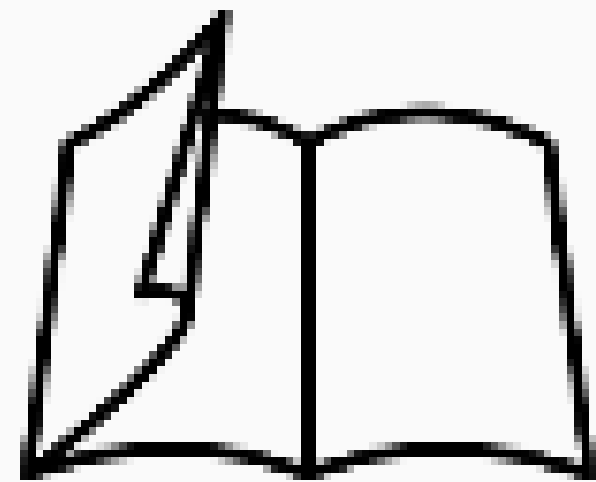


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