

RETARD OF THE FARROW BEFORE HYSTERECTOMIE FOR SAFETY OF
THE OPERATION ON THE 114 TH DAY OF PREGNANCY

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We had been performing hysterectomie on sows for April, 1981 in rotation of 8 days. According to the programme the operation was to be performed on the 114th day of pregnancy. Our programme was trouble by undesirable farrows in 30-60 %. At this time we got the task to retard the farrow to the 114th day so that, neither the dam, nor the offspring should not be damaged. We have taken the contact with Vetmedica GmbH, which firm possessed the mimeticum "NAB-365-C1" with the assistance of that farrow was retarded with success to 6 hours.

Method: B mimeticum "NAB-365-C1" was available. This product is under clinical testing. The general dose of it is 0,8 mcg, dose suggested for one sow is 150 mcg. We got at the problem in four steps.

- 1/ 4x150 mcg of injection "NAB-365-C1" per day - at 0 o'clock, at 6 o'clock, at 12 o'clock a.m. at 6 o'clock p.m. from the night of the 109th day of pregnancy.
- 2/ 4x300 mcg of inection NAB - in the similar way.
- 3/ 2x300 mcg of injection NAB - at 6 o'clock a.m., at 6 o'clock p.m. from the night of the 109th day of pregnancy.
- 4/ 2x300 mcg of injection NAB - in the similar way.
50 mg of injection Progesteron per sow per day - with the beginning of 110th day at 12 o'clock a.m. and with the last application on the 113th day at 12 o'clock a.m.

Results:

- 1/ Treated: 26 sows
Undesirable farrows: 13 sows
Effect: 50 %
Side effect: we didn't experianced any negative side effect at either the sows, or the piglets.

Discussion: This method is not suitable because of its low efficiency.

- 2/ Double dose 4 time a day.

Treated: 26 sows
Undesirable farrow: 0
Effect: 100 %?
Side effect: Easy tearing cauls, dead offsprings in 40 %, they suffer grave respiratory troubles before.

Discussion: This method is not suitable because of the grave side effects.

- 3/ Double dose twice a day.

Treated: 27 sows
Undesirable farrow: 12 sows
Effect: 44 %
Side effect: there is not.

Discussion: This method is not suitable because of its low efficiency.

- 4/ Daily 2x300 mcg of injection NAB - combined with daily 1x50 mg of injection Progesteron.

Treated: 13 sows
Undesirable farrow: 0
Effect: 100 %
Side effect: there is not

Discussion: We suggested to follow this method till 30 november.

Treated: 147 sows
Controll: 89 sows
Undesirable farrow from treated ones: 6 sows 4 %
effect: 96 %
Undesirable farrow from control ones: 41 sows
effect: 46 %

Efficiency: 96 % with 147 sows

Conclusion: The first, second and third methods are not suitable. In the 4th variation we were succeeded in finding a dose and a combination with the assistance of that farrow is to be retarded with great probability and without any negative side effect.

Selected reference:

K. Zerobin: Possibilities to influence the motility of the uterus during parturition and during puerperium in swine.

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