

# Panel Discussion

Dr. John Woods  
Dr. John Winkler  
Dr. Charles Baird

Question—Dr. Baird, do you figure using Orban for dry cow treatment? You say you are using Orban for dry cow treatment—any reason for just using that product? Do you run any diagnostic tests for different types of bacteria?

Answer—I've been pretty fortunate. I've never had any strept problems in my herd. If I did I didn't know it. Our main problem has been coliform. The main reason I was using it is because it seemed to do a relatively good job. Three years ago they did ask me to do a field trial on it on 100 cows when they were trying to get it on the market. So I had a lot of experience of culturing and double culturing cows with it.

Question to Dr. Winkler—In reference to the lactation induction, I did quite a few cows in 1972 when they were doing this at Ohio with some of the fellows up at VPI that were also doing some of it. In the last month or so it has become impossible to get the progesterone and the 17 beta estradiol from Sigma Chemical. I'd like to know if any of the estradiols, if used along with regular progesterone solution, could get some of these cows into lactation?

Answer—Yes, and we've even used diethylstilbestrol and gotten pretty good results.

Question for Dr. Winkler—What do you find is the best thing to use on those necrotic udder sores?

Answer—I found one good use for Koppertox. Outside of standing back six feet and trying to squirt it into the interdigital space and if you're treating foot rot, Koppertox works very nicely. Otherwise it's a question of trying to dry them up in one form or another. Koppertox does work.

Question for Dr. Winkler—Does induction increase production on cows that have aborted and are late in the last trimester? Will this induction increase their milk production?

Answer—The series must be given after at least 60 days of quiescence as far as the mammary gland is concerned. Then it doesn't make any difference what the cause of being dry is, but you can't give it on top of being in lactation and expect anything out of it.

Question—Can we increase the secretion by hormone so that we can increase the number of secreting cells and then produce more milk?

Answer—Theoretically the estrogens have an effect on the development of the duct system, progesterone on the development of the secretory cells. I don't know of any work that has been done specifically. Sham alludes to it in his work, but to specifically try to increase the lactation potential of an individual cow using hormones, I just don't know. Perhaps somebody else does.

Question—I'm Bill Crow from Hope, Indiana, and for what it might be worth for these necrotic udder

sores, I tried a multitude of products and the product that hasn't failed me yet is Miodex aerosol spray from Beecham Laboratories.

Question to Dr. Winkler—What effect does this induction of lactation have on the future cycling of the cow? Have you followed any of these ovaries for any length of time after induction?

Answer—Very good question. I do a lot of reproductive work, not in any exciting way but just as a routine thing, and the more I do, the more I appreciate the healing that takes place in time. I feel that this has the effect of giving the cow time to straighten out if she's going to straighten out and many of these cows do become fertile or they are able to reproduce again simply because of the time lapse. I have found one other thing that may be of significance: If we start with a cow that is not normal as far as cycles are concerned, this series may develop cysts. We had one cow that stayed cystic for four months. I let her go simply because I wanted to keep her cystic so the students could palpate her, but we started the series and she became cystic. She remained cystic for at least four months. I don't think I would want to try this on a cow that was not cycling normally.

Question—I would like to ask Dr. Winkler what he likes for killing off these *C. pyogenes* quarters. Have you favorite treatments on that?

Answer—Just trying to dry off an individual quarter permanently? Something irritating. We tried all sorts of things. I've tried to take calcium glucamate solution that might be kind of irritating or I've tried even silver nitrate solutions (very dilute) and believe that will do it. The only thing it does is cause quite an inflammatory reaction initially. When it subsides, the quarter is dry. Frankly, I don't know of any good way. I usually just stop milking it, but I'm sure a very irritating substance or Lugol's solution will have the same effect.