



Bovine News From...

PERRY VETERINARY CLINIC, PLLC

Opportunities For Ultrasound In Your Reproductive Program:

Does using ultrasound in your reproductive program make sense?

By Ted R. Wolf, D.V.M.

YES! Ultrasound has become more and more popular and has distinct advantages over manual rectal palpation. Why?

- ✦ Earlier pregnancy diagnosis helps to identify open cows earlier.
- ✦ Accurate detection of twins which allows for better management of the twin cow's dry period.
- ✦ Better detection of uterine and ovarian disease (endometritis, tumors, pyometras) allows for faster intervention to prevent a chronic problem from occurring.
- ✦ Accurate detection of the fetal sex at 55-85 days has improved purebred marketing, influence culling decisions, better planned management of calf housing inventories.
- ✦ Accurate determination of a cow's reproductive cycle improves timing of a specific synchronization protocol helping to maximize conception and pregnancy rates.

Many producers have heard and understand the first four examples listed above. The fifth example can actually be one of the most beneficial enhancements of an ultrasound program on your farm. This program requires the most knowledge and experience from the ultrasonographer. In the hands of a trained veterinarian, an ultrasound can determine precisely where the cow is in her reproductive cycle. From this determination, each cow can be treated appropriately to optimize conception. For example, a cow that checks open at 32 DSLH and then has a follicle and late cycle CL will be treated differently than a cow that checks open at 32 DSLH and has a follicle with an early CL.

Ultrasound specific synchronization techniques can be used on cows checked open to a previous breeding date. It can also be used on open cows that have passed the normal voluntary waiting period. This program can improve resynch conception rates when compared to a standardized "treat all open cows with the same resynchronization" programs. If you have specific questions on how to implement an ultrasound reproductive program on your farm, notify one of our veterinarians.



Perry Veterinary Clinic ET & IVF Donor Cow Spotlights

Lo-Vi Cookie Em Cream ET

Embryo Transfer Donor

by Craig Lamb, D.V.M.

Cream is a 10 year old Brown Swiss cow owned by Dean and Brenda Daubert of Victory Acres in Perry, NY. Cream is the daughter of Old Mill E Cookie and sired by Victory Acres Jubilation Emory. If that mating sounds familiar to Brown Swiss aficionados, it should! Cream is the last living full sister to Old Mill E Snickerdoodle OCS. Snickerdoodle is the most decorated Brown Swiss cow in the breeds' history. Snickerdoodle was the Grand Champion Brown Swiss at the World Dairy Expo in 2002, 2003, 2004, 2005, 2008, and 2009. She was the Reserve Supreme Champion at the World Dairy Expo in 2008 and 2009. Snickerdoodle was the World Dairy Expo Supreme Champion in 2003.



The Dauberts purchased Cream in January of 2009. In Cream's last complete lactation she produced 26,731 lbs of milk with 1230 lbs of fat and 908 lbs of protein. In October of 2010, Cream was superovulated and flushed by the Perry Veterinary Clinic using the "Fresh Embryo Recovery and Transfer" program. Cream produced 13 transferable embryos which resulted in 10 pregnancies. Upon ultrasound fetal sexing, Dean Daubert was pleasantly surprised with 7 heifer calves! If you are interested in purchasing a heifer calf from Cream, sired by Vigor, inquires can be to Dean Daubert at Victory Acres in Perry, NY.

Felicen is co-owned by Derek Wolf of Wolfside Farm in Bergen, NY and Dan Stella of Pagen Farms in Leroy, NY. She was acquired at the 2008 Quality Holsteins sale with the intent to produce offspring that could be used to develop a base of breeding. Sired by Sunnylodge Linjet, Felicen is a strong, well balanced cow with high components and excellent milk production. She is scored Excellent on the Canadian classification system. Felicen's dam, Quality Astre Felice, is a 2-time Reserve All Canadian and was decorated as the 2002 Canada Cow of the Year. The matriarch of Felicen's family is 4E-94-GMD Chief Faith. The Chief Faith cow family has produced a number of AI bulls, 2 Canada Cow of the Year award winners, and is considered an extremely influential cow family in the Holstein breed.

Two weeks after Felicen was purchased she was flushed via conventional ET techniques with good results. However, subsequent flushes yielded poor results and the likelihood of achieving the original goals were not

Quality LJ Felicen

EX90-2E CAN

IVF Embryo Donor Dam

By Craig Lamb, D.V.M.



looking good. Felicen then entered the IVF ET program with Trans Ova Genetics and Perry Veterinary Clinic. IVF technology offers distinct opportunities compared to conventional ET. First, sexed embryos can be made from nearly any bull. Secondly, embryos can be made every two weeks.

Thirdly, embryos can be made even while the donor cow is pregnant. Finally, problem ET cows can work well with IVF procedures.

Felicen participated in the IVF program, using reverse sorted semen, every two weeks from April through September of 2010. Felicen produced 39 pregnancies from the sires Jasper, Sanchez, Damion, Durham, Goldwyn, Fever, Bolton, Atwood, Aftershock, Dolman, and Storm. Felicen quickly became the queen of IVF embryo production. Derek and Dan recently sold a first choice March heifer calf from Felicen, sired by either Goldwyn or Fever, at the 2011 New York Convention ET Sale. They now have the offspring of an outstanding cow family and have a foundation for future marketing endeavors. For more information on Felicen and her calves due to be born, you may contact Derek Wolf, of Wolfside Farm in Bergen, NY.

If you are interested in more information about Perry Veterinary Clinic's Fresh Embryo Recovery and Transfer or IVF Embryo Transfer Programs please contact the clinic.

FDA Center for Veterinary Medicine Milk Residue Sampling Program

Leo Vranich, D.V.M.



The FDA will soon begin a milk sampling assignment at about 900 dairies from a national pool of 1600-1800 dairies which have had a tissue residue violation in the past three years. The reason for implementing this program is that the FDA is concerned operations that have marketed an animal with a confirmed tissue residue violations may be at higher risk of selling milk with residue violations, particularly for non beta-lactam drugs. Dairy animals, both cows and veal calves, continue to be the source of approximately two-thirds of all confirmed tissue residues and this has influenced the design and timing of the program.

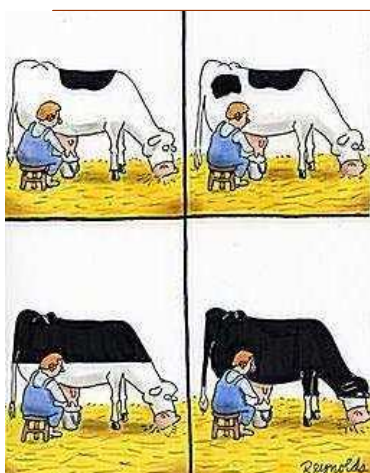
The FDA milk sampling assignment will screen milk from these dairies for 27 different drug residues using a multi-drug residue screening procedure. The drugs are:

ampicillin (*Polyflex*), **cephapirin** (*Today, Tomorrow*), **cloxacillin** (*Dariclox, Dry-Clox, Orbenin-DC*), **penicillin G**, **erythromycin**, **tylosin** (*Tylan*), **enrofloxacin** (*Baytril*), **sarafloxacin**, **chlortetracycline**, **oxytetracycline** (*LA-200, Biomyacin*), **tetracycline**, **doxycycline**, **sulfachloropyridazine**, **sulfadiazine**, **sulfamerazine**, **sulfadimethoxine** (*Albon*), **sulfamethazine**, **sulfapyridine**, **suflaquinolaxine**, **sulfathiazole**, **tripelennamine**, **thiabendazole**, **pirlimycin** (*Pirsue*), **flunixin** (*Banamine*), **bacitracin**, **virginiamycin**, and **tilmicosin** (*Micotil*).

FDA intends to start the program within the next two months. Regardless of whether or not you have had a tissue residue violation in the past three years, below are points to help prevent tissue residue violations and prepare for an FDA sampling:

1. Review which employees are responsible for starting treatments and their training on diagnostic and treatment protocols.
2. Review and record all treatment protocols with your veterinarian.
3. Make sure that all treatment records are complete and accurate, with animals properly identified.
4. Review drug inventories on the dairy so that there is a protocol for all drugs used on both the replacement and adult animals in the herd.
5. Discuss with your Cooperative what to do with any tank that has been sampled by the FDA.

If you have any questions or concerns about this sampling program, please contact your veterinarian.



Dr. Vranich joins Partnership

The Partners of the Perry Veterinary Clinic, PLLC are pleased to announce the admission of Dr. Leo Vranich as a partner effective January 1, 2011.

Leo first came to the Practice in August, 2007 as an extern while he was a 4th year student at Virginia-Maryland Regional College of Veterinary Medicine. He joined the Practice in May, 2008 as an associate with primary responsibilities in dairy and food production medicine.

For the past 2 ½+ years Leo has earned the respect of, and developed a solid working relationship with both the producers and staffs at the various farms he has serviced.

The Partners are pleased that Leo has joined the Partnership and look forward to working to utilizing Leo's skills and abilities in a partnership role.



"If happiness truly consisted in physical ease and freedom from care, the happiest individual would not be either a man or a woman; but an American cow."

- William Lyon Phelps

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