



Sport Horse Breeding News

Volume 1, Issue 3

“Your Foal Is Our Goal”

October 2005

Breeding Tip:

Many breeders are choosing to do a post-breeding uterine lavage as a prophylactic measure, whether inflammation is present or not. This has yielded increased pregnancy rates for many. When lavage indicates the presence of microorganisms and contaminants, it can be repeated for up to five days post insemination.

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Published by: The Mondo Press

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Post-Breeding Uterine Inflammation

All mares experience some degree of post-breeding inflammation of the uterus, regardless of the breeding method. It is nature's way of clearing the uterus of excess, dead sperm and other contaminants. Mares can also have an inflammatory response to the semen

extender in frozen semen. With human-controlled natural breeding and AI with fresh semen repeated every 48 hours, normal cleansing of the uterus is usually complete before the second breeding. With frozen semen, the shorter life span of the sperm and the difficulty of pinpointing the time of ovulation forces insemination of mares at



intervals as short as six to 24 hours. Some veterinarians, researchers and breeders theorized that this meant increased inflammation resulting in lower conception rates. Two recent studies of special interest to breeders who use frozen semen have disproved this theory.

Study # 1: A study presented at the 2004 AAEP Convention by veterinary students Sylvia Carley and Jodyne Green proved that frozen semen does not cause acute post-breeding uterine inflammation resulting in lower pregnancy rates. Their 2003 research demonstrated that breeding with one full dose or two half doses of frozen semen per cycle did not significantly increase the amount of

bacteria, endometrial debris or the percentage of neutrophils (white blood cells that kill and digest microorganisms) measured in uterine lavage (washing or flushing) samples.

The study involved 37 young, fertile mares separated into three breeding groups. One group was inseminated with one dose of frozen semen on the day of ovulation. A second group was bred with two half doses of frozen semen, a half dose at ovulation and a half dose 24 hours later. The control group of mares received no breeding treatment.

Scientists collected uterine lavage samples 24 to 96 hours after insemination and had them analyzed for bacteria by veterinary microbiologist Dr. Manuel Chirino-Trejo. (cont. pg.2)

N.American Stallions Join SES Roster

Superior Equine Sires is pleased to announce the addition of North American stallions to the SES Stallion Roster. There are two listing options. **Option One** is available to all stallions with frozen semen. They will be listed on a new North American Stallion Roster, by name and

breed, with a link to their website stallion page. **Option Two** is available to stallions with frozen semen who are approved for breeding with North American and/or European warmblood registries. They will be listed on the SES Stallion Roster by breed, with a page on the SES

website, the same as the European stallions. On that page will be a link to the stallion owner's website, for handling of sales and shipments. An **Exclusive Option**, with sales and shipping handled by SES, is also available. Call 307-587-5105 for more info.

Around the Stud Farms

Boeckmann Stallion Station

The winner of the 2005 Adelheidsdorf stallion performance test was Dancier, by Boeckmann stallion De Niro, out of a Lancier mare. Dancier dressage score of 158, secures his sire's reputation as a reliable producer of dressage talent. Dancier won the stallion koering at Verden in 2004. He was purchased for stud duty by the Celle State Stud.

Gerd Sosath

Gerd Sosath stables' Holsteiner stallions Chalan and Quality both recently competed at the FEI Championships in Zangersheide, Sept. 2005. Both young stallions are poised for successful careers as in-

ternational showjumpers. Chalan was recently successful at S-level in Rasted. In July, Holsteiner stallion Catoki was jumping champion of Oldenburg, also an S-level event.

Gestuet Webelsgrund

Getuet Webelsgrund's EH Michelangelo was second on the Trakehner HVP 2005 breeding value estimation for broodmares, with a breeding value of 147. The venerated stallion had many successful competitors at the Trakehner Championship of 2005, and continues to sire foals capable of international performance.

Paul Schockemoehle

Paul Schockemoehle, in partnership with Blue Hors Stable of Denmark, purchased the champion stallion of the Hanoverian Stallion Market at Verden on 10/29/05. The dark brown son of Hofrat/De Niro was knocked down for an astounding 800,000 euros. The combination also purchased a Prince Thatch xx/Wenzel I son for 580,000 euros.

Zuchthof Klatte

The standout stallion of the Klatte stud, Argentinus, received his due when selected Hanoverian Stallion of the Year, 2005. The son of Argentan is known as a sire of both jumping and dressage talent, with performers like Anka, Albano and Adlantus As currently competing.

Uterine Inflammation, cont.

(cont. from pg. 1) Said student researcher Carley, "There was no significant difference between the control group and the single breeding. The neutrophil counts in the single-bred mares were no higher than four per cent—what you would expect in a mare that had just been bred—and any inflammation that may have been present had resolved itself very quickly after the single breeding." The second group of horses, those bred with two half doses, did have higher

amounts of bacteria, endometrial debris and neutrophils than the single-bred mares, but the difference was "not significant."

The results of the study helped researchers set a baseline for a normal range of post-breeding inflammation parameters. Based on the study's findings, an average neutrophil count of five percent following breeding is normal for mares selected for good breeding potential. "Any time a vet-

erinarian evaluates a mare 24 hours after being bred with frozen semen and sees anything more than an average of five per cent of neutrophils . . . it indicates that there's a problem," said Dr. Claire Card, the reproduction specialist who assisted Carley and Green with their study. "That's important because until this point, nobody knew what the magic number was."

Study #2: Studies conducted at the University of Minnesota (cont. pg. 3)

Don't Forget About Don't Forget!

U.S. Pony breeders will soon have access to one of Germany's most outstanding riding pony stallions. Don't Forget was the Champion of the riding pony koering of 2002 in Aachen. He was a Bundeschampionat finalist in 2003.

In 2004 he was second in the



Don't Forget

stallion test at Neustadt/ Dosse and also Bundeschampion. In 2005 he was second in the Bundeschampionat. Don't Forget has won many classes for young riding horses.

Don't Forget's sire, Don't Worry, was two-time

Bundeschampion and in 2002 in Aachen, the top five premium stallions were sired by Don't Worry. Don't Forget's dam, SPS Mac Bea, has produced three approved sons and a state premium daughter. A Don't Forget/Champagner offspring won the riding pony class at the German Foal Championat in August 2005. Frozen semen from Don't Forget will be available exclusively through SES in 2006.

Stallion Spotlight ~ Brentano II

Brentano II, Hanoverian Stallion of the year in 2003, has become familiar to many thanks largely to the achievements of Olympic, Pan American and World Cup star, Brentina, under the expert guidance of Debbie McDonald. Bred by Max Schulz-Stellenfleth of Kehdingen, Germany, Brentano II was foaled in 1983. A son of the illustrious, but short-lived Bolero and out of Glocke by Grande, Brentano II had the pedigree credentials for greatness. He made his quality known at a young age by becoming Stallion Licensing Champion in 1985, and was acquired for stud duty by the Celle State Stud. He had the best dressage score of 141.41 and finished second overall with 129.97. The next year he was second in the Bundeschampionat, Germany's most

prestigious venue for young riding horses. Brentano II trained on to Prix St Georges level and for many years was a regular in the Celle Stallion Parade and Dressage Quadrille.

The stallions Wolkenstein I, Beltain and Garibaldi I and II are from his lines, as are Grand Prix horse Beauvalais and Bundeschampionat winner Belissimo M. Brentina's full brother, Grand Prix horse Barclay II, and Bundeschampion Bon Jovi are current performers on the world dressage stage sired by Brentano II.

Brentano II has sired 15 licensed sons and 67 state premium daughters, in-



Brentano II

cluding Poesie, the dam of the fabulous Poetin, by Sandro Hit. His foals are very well received at auction, and when offered for private sale. Skygate Hit by Sandro Hit, out of a Brentano II mare recently sold for 75,000 euros at the Hanoverian Verband's Elite Foal and Brood Mare Auction.

Brentano II unjustly received a reputation for poor quality frozen semen, due to uninformed, irresponsible web postings. Use of Brentano II's frozen semen by SES clients during the past three seasons has resulted in a near-100% pregnancy rate, proving that both his semen quality and conception rate are excellent.

Uterine Inflammation, cont.

(cont. from pg. 2) at St. Paul, and the University of Florida at Gainesville, began with induced uterine inflammation caused by the introduction of killed sperm or semen extender alone into the uterus. When the inflamed mares were then inseminated with thawed, live sperm in skim milk semen extender, the conception rate was only 5%. When the sperm were suspended in seminal plasma, the conception rate jumped dramatically, to 77%. The seminal plasma pre-

vented the binding of neutrophils to sperm heads, which can inhibit fertilization. The much higher pregnancy rate in mares inseminated with semen suspended in seminal plasma may explain the high pregnancy rate in wild mares and pasture bred mares that have are bred frequently during their estrus cycle.

The 77% pregnancy rate of mares inseminated with live sperm suspended in seminal plasma in the pres-

ence of uterine inflammation, indicates an important role for seminal plasma in conception rates. This seems especially relevant in repeat breeding within short time spans. Frozen semen contains small amounts of seminal plasma, probably enough to mediate the inflammatory response of the uterus.

SES Sires with Offspring in the News

Wild One, by **Wanderer**/Graefin, is an up-and-coming Grand Prix horse with Olympic potential. Ridden by Arlene Page, he won his first Grand Prix outing in March at the Palm Beach Dressage Derby, was reserve champion at the USEF Grand Prix Championship (NJ) in June,



Wanderer

and in August won both the Grand Prix and Grand Prix Special at the Darien CDI (CT). Wild One capped off his excellent season with second place at the 2005 USEF National Grand Prix Dressage Championship. **Lord Sinclair** son, Sir Sinclair, ridden

by Belinda Nairn-Wertman, won the USEF/Markel Young Horse Dressage National Championship for six year olds, held in Lexington, KY, Sept. 9-11, 2005. Second in the five year old division was Grand Makan by **Goodman/Werther**, under Laurie Doyle. Dr. Katie Stanton was the winner of the amateur rider division on Savanna by the Dutch stallion, **Jazz/Doruto**.

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www.SuperiorEquineSires.com

SES SERVICES

New! North American Stallions on SES Roster. Two new options give your stallion visibility on the world's most-visited frozen semen website. 1) A direct link to the stallion's page on your website, via the new North American Stallion Roster (available to all stallions offering frozen semen), or, 2) A page on the SES website, on the same roster with the European stallions, by breed, with a link on the page to your website (available to breeding-approved stallions with frozen semen). An exclusive option, with SES handling sales, and shipping, is also available. Call 307-587-5105 for details.

American Hanoverian Society Annual Stallion Reports and Stallion Certificates have been sent to the society. If you did not send your documents to SES prior to 10/15/05, please contact AHS directly.

Free Display Ads for SES-sired Foals: If you have raised a foal from frozen semen purchased from SES, take advantage of the free display advertising on the most-visited frozen semen website in the world.

Foal Gallery—Please send photos of your foals.

Sport Horse Breeding News—The October edition of the Sport Horse Breeding News can be downloaded at www.SuperiorEquineSires.com

New Stallions are going up soon Check the website often for new 2006 additions. Submit your requests to the online Stallion Wish List.

SES Sale Deadlines will be posted to the website in November.

Organization Notes & News

AHHA

The American Holsteiner Horse Association awarded preliminary stallion status to Bratt Z at the AHHA Breeding Stock Approval in Ste-Clohilde de Horton, Quebec, Canada on 10/13/05. Bratt Z is a son of the legendary showjumper Baloubet du Rouet, and is the first of his sons to be approved by the Holsteiner association. His bonits of 7,6,7,6,7,6,8 earned him the high score of 47 at the approval. Bratt Z will join the SES Stallion Roster for 2006.

USDF

USDF has announced a new Breeder of the Year Award program, initiated October 1, 2005, with the award to be presented in 2006. Breeders of dressage performance horses and dressage in-hand horses are eligible to compete. The award

is part of the continuing efforts of the USDF to recognize the hard work and diligence of American breeders, and to highlight their contribution to worldwide sport horse breeding.

AHS

U.S. Olympic Team Member Debbie McDonald will appear at the 2006 AHS Annual Meeting, to be held Feb. 3-5, 2006 at the Sheraton Universal Hotel in Universal City, CA. On 2/4 McDonald will give the keynote lecture, with insights on her training philosophy. She will also appear at the Young Horse Training Symposium at the Los Angeles Equestrian Center Equidome, held in conjunction with the AHS meeting. For information contact the AHS office at 859-255-4141 or AH-Office@aol.com.

Recommended Reads & Websites

Hunter & Sport Horse magazine is devoted entirely to sport horses, with lots of good articles on riding, training and breeding. Though it is geared more toward amateur riders, there are articles of interest to all levels. H&SH provides lots of coverage of American breeders and their breeding programs. A helpful staff make advertising with H&SH easy. A useful highly recommended publication. Contact: hsheditor@hunterandsporthorsemag.com or call the toll free subscription line at 800-554-7470 U.S. subscriptions are currently on sale for seven dollars.

The Horse Magazine, an online Australian publication, is bursting with information about sport horse breeding, bloodlines, training and trainers. If you haven't already accessed this site, go to: www.horsemagazine.com/index.html