**One Health News Bits**

**May 19th 2011**

[**The Comparative Medicine Aspects of One Health: Bio-Future of Joint Replacements**](http://www.ted.com/talks/lang/eng/kevin_stone_the_bio_future_of_joint_replacement.html)

Kevin Stone's clinic treats joint injury using the latest in bio-medicine: reconstructing damaged tissue, even replacing whole joint parts, with lab-grown cartilage and ligament. "We can re-grow these surfaces biologically. Why isn't that good enough? There's not enough donor cycles. ... The solution is animal tissue."

[**Livestock painkiller ban helps vultures begin to recover**](http://r.smartbrief.com/resp/cUedBXzCwNBZrFreCidalECicNUyvW?format=standard)

Three endangered species of vultures appear to be slowly coming back from the brink of extinction caused when large numbers of them died after eating felled livestock whose carcasses contained the painkiller diclofenac, new research has found. India, Nepal and Pakistan banned the drug for livestock use in 2006, but by that time populations of the oriental white-backed vulture, long-billed vulture and slender-billed vulture had been decimated. [BBC](http://r.smartbrief.com/resp/cUedBXzCwNBZrFreCidalECicNUyvW?format=standard) (5/12)

[**Researchers find drug-resistant bacteria in bedbugs**](http://r.smartbrief.com/resp/cUedBXzCwNBZrFrfCidalECicNViHp?format=standard)

Canadian researchers who screened five bedbugs taken from three hospital patients in Vancouver, British Columbia, found that the bugs contained methicillin-resistant Staphylococcus aureus and vancomycin-resistant Enterococcus faecium. The discovery indicates that bedbugs could serve as an unnoticed vessel in which drug-resistant bacteria can thrive and spread in crowded areas, according to the study published in the CDC's Emerging Infectious Diseases journal. [HealthDay News](http://r.smartbrief.com/resp/cUedBXzCwNBZrFrfCidalECicNViHp?format=standard) (5/11)

[**Rural U.S. veterinary shortage poses threat to animals, food supply**](http://r.smartbrief.com/resp/cUhlBXzCwNBZrVauCidalECicNKZQj?format=standard)

At least 1,500 U.S. counties have no access to a veterinarian, based on AVMA estimates, and the shortage is most severe in states with the most number of food animals. With roughly 70% of human diseases originating from animals, according to AVMA CEO Ron DeHaven, the problem extends from just keeping animals safe to safeguarding the food supply and the people who consume it, according to this article. [ABC News](http://r.smartbrief.com/resp/cUhlBXzCwNBZrVauCidalECicNKZQj?format=standard) (5/12)

[**Researchers develop breeding capsule for cows**](http://r.smartbrief.com/resp/cUhlBXzCwNBZrVavCidalECicNWScM?format=standard)

Researchers at the Swiss Federal Institute of Technology in Zurich have developed a sperm capsule that can help enhance a cow's fertility. The capsules can be placed into the cow's uterus days before ovulation so that they will be able to respond to hormones during ovulation and release the sperm. "The benefit is that we can widen the window of insemination," said Ulrich Witschi of Swissgenetics, a provider of bull sperm. [United Press International](http://r.smartbrief.com/resp/cUhlBXzCwNBZrVavCidalECicNWScM?format=standard) (5/11)

[**Rabid bat sets off another round of reminders to vaccinate pets**](http://r.smartbrief.com/resp/cUhlBXzCwNBZrVayCidalECicNUyKa?format=standard)

Mesa County Animal Services announced Thursday it had trapped a bat near downtown Grand Junction that tested positive for rabies. Now they're asking residents to keep themselves and their pets safe from the deadly virus. KKCO-TV (Grand Junction, Colo.) (5/12)

[**Bird flu is identified at Dutch farm**](http://r.smartbrief.com/resp/cUhlBXzCwNBZrVazCidalECicNViVt?format=standard)

Sixty farms within a three-kilometer (two mile) radius of the farm in Kootwijkerbroek, will be screened and tests would show on Friday whether a highly pathogenic version of bird flu had been detected in the birds, the government said in a statement. A ban on the transport of poultry, eggs and manure within the three-kilometer zone has been instituted, it said. Reuters (5/12)

[**Necropsies confirm white-nose syndrome in 2 bats in Canadian province**](http://r.smartbrief.com/resp/cUhlBXzCwNBZrVaACidalECicNXnDu?format=standard)

White nose syndrome has been confirmed in one dead bat in Nova Scotia, but six others are being studied at the Atlantic Veterinary College because scientists believe they have the fungus. In the United States, it is estimated that white nose syndrome has killed off one million bats. The fungus poses no health risk to humans, but the economic consequences of a large bat mortality could be costly. "Bats are major insect eaters. Our forestry industry depends on bats eating some of those insects. Our agricultural industry relies on bats eating insects to protect it," McBurney said. CBC.ca (Canada) (5/11)

[**Veterinary group unveils report on zoonotic disease prevention**](http://r.smartbrief.com/resp/cUhlBXzCwNBZrVaCCidalECicNfGsI?format=standard)

The National Association of State Public Health Veterinarians has issued an updated report on measures to take to lower the risk of disease being transmitted from live animals to humans in public places. Hand-washing after handling animals in petting zoos and other public settings is a key step to preventing exposure to zoonotic diseases, according to the [report](http://r.smartbrief.com/resp/cUhlBXzCwNBZrVaBCidalECicNaMKh). [FoodSafetyNews.com](http://r.smartbrief.com/resp/cUhlBXzCwNBZrVaCCidalECicNfGsI?format=standard) (5/13)

[**Initiative aims for decreased animal antibiotic use**](http://r.smartbrief.com/resp/cUhlBXzCwNBZrVaMCidalECicNaMKh?format=standard)

The Pew Campaign on Human Health and Industrial Farming has started the "Moms for Antibiotic Awareness" initiative, which aims to reduce the use of antibiotics in livestock. Christine Hoang, assistant director of AVMA's scientific activities division, said AVMA strongly supports the "judicious" administration of antibiotics for all of their approved uses, and has "committed extensive resources to issues related to antimicrobial resistance." [Capital Press Agriculture Weekly](http://r.smartbrief.com/resp/cUhlBXzCwNBZrVaMCidalECicNaMKh?format=standard) (5/12)