

ANIMAL AND HUMAN HEALTH PREVENTION OPPORTUNITIES

Occupational Hazards Associated with Female Reproductive Health in the Veterinary Profession

In a report by the American Veterinary Medical Association (AVMA), approximately 62% of veterinarians are female. Based on current veterinary school enrollment statistics, this percentage is expected to rise drastically. Additionally, the National Association of Veterinary Technicians in America (NAVTA) reports that more than 90% of veterinary technicians are female.

In this issue of *Montana One Health*, we will discuss an upcoming educational opportunity for the veterinary, public health and human healthcare communities to join and learn about occupational risks and mitigation strategies associated with female reproductive health.

Occupational Hazards

Veterinarians are routinely exposed to chemical, biological, and physical hazards in the workplace. A systematic review published by the Journal of the American Veterinary Medical Association (JAVMA) in 2017 describes the following:

1. Chemical hazards to female reproductive health include, drugs (antineoplastic and other), hormones, anesthetic gases, carbon monoxide, insecticides/pesticides, and ethylene oxide.
2. Biologic hazards include, brucellosis, leptospirosis, listeriosis, *Chlamydomphila* spp., Q fever, toxoplasmosis, bacterial infections (*Pasteurella*, *Bartonella*, *Capnocytophaga*), and lymphocytic choriomeningitis virus.
3. Physical hazards include, fractious animals, needle sticks, radiation exposure, standing at work, lifting, long work hours, as well as shift work and night work.

One Health in the 406 Conference

The Department of Livestock (DOL) and the Department of Public Health and Human Services (DPHHS) will be co-hosting the first annual “One Health in the 406 Conference”, Wednesday November 6th in Bozeman.

The objectives of the conference include:

- Increase awareness about one health issues in Montana and maximize medical response efforts to zoonotic cases.
- Facilitate a networking opportunity for veterinary, public health and human healthcare professionals.
- Expose the veterinary community to the perspective of human health professionals.
- Expose the human healthcare community to the perspective of veterinary professionals.

Conference presentations will include a review of recent research on zoonosis and occupational hazards related to the health and welfare of pregnant women, discussion of epidemiologic investigations, case studies, clinical implications associated with specific diseases, and recommendations for quality laboratory submissions.



Who	Veterinarians, physicians, laboratory personnel, nurses, veterinary technicians, epidemiologists, local public health personnel.
When	November 6th, 2019. 9am-4pm
Where	Strand Union Building, Room 235 Montana State University, Bozeman
How	Registration information will be available shortly.

The information presented at this conference will expose attendees to training opportunities, introduce preventative measures associated with various occupational hazards, and establish new relationships between healthcare providers in the three professions.

References available on web version.
Visit <http://www.dphhs.mt.gov/publichealth/publications.shtml>.

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