



OAHN Swine Network Update: Senecavirus A

(Seneca Valley Virus)

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The Ontario Animal Health (OAHN) Swine Network would like to provide veterinarians that work with swine with the following update:

- **Veterinarians need to be aware that Senecavirus A (Seneca Valley Virus) has been identified in Ontario.**
- **We are asking veterinarians to remind their clients, that if vesicular lesions are seen on pigs, they MUST notify CFIA/and or their veterinarian and they MUST NOT ship affected animals. Pigs identified with vesicular lesions at processing plants may lead to plant shutdown.**

Interesting Facts for Veterinarians on Senecavirus A (SVA)

Clinical Presentation

- Vesicles or ulcers of snout, mouth, and/or coronary band, +/- sloughing of hoof wall, nail bed hemorrhages, lameness, fever, lethargy, anorexia ****Indistinguishable from vesicular foreign animal diseases****
- Can cause a 4-10 day increase in neonatal piglet mortality that may or may not have associated diarrhea. Vesicular lesions may be present in the breeding age animals within the same herd

Virus Characteristics/ Diagnosis & Treatment

- SVA is a non-enveloped picornavirus from the same family as Foot and Mouth Disease and Swine Vesicular Disease
- SVA is NOT a food safety issue, and is NOT zoonotic
- Mode of transmission is unknown
- Diagnostic samples include: blood, vesicular fluid, epithelial tissue and oral fluids. Diagnostic tests include: EM, IHC, RT-PCR, ELISA
- There is no effective vaccine, treatment or control strategies

North & South American Update

- The USA is experiencing sporadic outbreaks. SVA has been detected in 9 states: IN, SD, IA, MN, NC, NJ, IL, LA, CA and is classified as a widespread emerging production disease. Currently there is no national surveillance program
- In Brazil there are numerous, ongoing outbreaks. Clinical presentation of increased neonatal piglet mortality lasts 1-2 weeks

For more information please visit www.oahn.ca