

Is There a Scrapie-Like Disease in Cattle?R.F. Marsh\*, DVM, PhD and G.R. Hartsough<sup>†</sup>, DVM

Transmissible mink encephalopathy (TME) is a rare disease of ranch-reared mink which is indistinguishable from sheep scrapie. Previous studies on the epidemiology of TME have not identified a definite source of infection for mink. Studies on experimental transmission have shown that mink are susceptible to intracerebral inoculation of American Suffolk scrapie, but that the incubation periods are longer (>1 year) than those observed in natural outbreaks of TME (<1 year).

In April of this year, a mink rancher in Wisconsin reported a debilitating neurologic disease in his herd which we diagnosed as TME by histopathologic findings confirmed by experimental transmission to mink and squirrel monkeys. The rancher was a "dead stock" feeder using mostly (>95%) downer or dead dairy cattle and a few horses. Sheep had never been fed.

We believe that these findings may indicate the presence of a previously unrecognized scrapie-like disease in cattle and wish to alert dairy practitioners to this possibility.

\*Dr. Marsh is Professor and Chairman of the Department of Veterinary Science, University of Wisconsin-Madison, Madison, WI 53706 and may be contacted at (608) 262-2618.

<sup>†</sup>Dr. Hartsough is Director of the GLMA/EMBA Ranch Service, P.O. Box 342, Thiensville, WI 53092 and may be contacted at (414) 242-2410.

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