Variations in residues of persistent organic pollutants in a platypus (Ornythorhynchus anatinus) at consecutive samplings

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sampling period. Furthermore, the SF from liver samples collected until 20 DPD also contained sufficient infectious RHD virus to kill all susceptible recipient rabbits. However, SF from liver samples collected at 26 and 30 DPD did not kill any of six recipient rabbits, despite the presence of viral antigen in the SF, as demonstrated by ELISA. Three of these six surviving rabbits developed antibodies to RHD virus, one of three inoculated with SF from liver collected at 26 DPD, and two of three from liver collected at 30 DPD.

This study yielded preliminary information on the persistence of RHD virus in the liver of infected rabbit carcasses held at 22°C. While viral antigen could be detected for at least 30 DPD in a decomposing liver, infectious RHD virus survived for only 20 to 26 days. After this point, the virus presumably began to degrade rendering it non-infectious. Nevertheless, there was sufficient viral antigen in the SF of decomposing livers collected 26 and 30 DPD, firstly, to be detected by antigen-capture ELISA, and, secondly, to cause seroconversion in inoculated susceptible rabbits. These findings indicate that persistent virus in infected rabbit carcases may be a source of infection to other rabbits by mechanical transmission from scavengers and insects that feed on the carcass.

The results of this small study suggest that, in addition to direct rabbit to rabbit transmission of the virus and the possibility of vector-borne transmission of the disease, the persistence of virus in infected carcases may be an important factor in the epidemiology of RHD.

References


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OBITUARY
Michael Shallow

All who knew Mike Shallow were deeply saddened by his sudden death on 23 August 2001. Mike was well known in the veterinary and agricultural industry for his involvement in rural veterinary practice, livestock consultancy and work with Primary Industries and Resources South Australia (PIRSA). He was also president elect of the Australian Sheep Veterinary Society due to take office at the 2002 AVA conference in Adelaide.

Born in Adelaide in 1950, Mike completed his schooling in Adelaide, graduated from Roseworthy Agricultural College in 1971 and completed a Diploma in Teaching at Adelaide Teachers College. He commenced teaching agricultural science at Eudunda, near the Barossa Valley and at St Michael’s College, his old school. In 1975 he gained entry to the new veterinary school at Murdoch University. During his time in Perth, he met Gaynor and they married upon graduation in 1980. He had gained a cadetship in 1976 and so commenced work with the SA Department of Agriculture as a District Veterinary Officer involved predominantly in the brucellosis and TB eradication campaign. He also took a keen interest in sheep health and production, which lead on to the development of a sheep consultancy group in the Adelaide hills. He maintained his interest in consultancy while working for the Victor Harbor veterinary practice from 1985 to 1989. With Gaynor and their two daughters, Danielle and Natalie, they moved to Western Australia in early 1989. Mike was initially employed as veterinary epidemiologist with the WA Department of Agriculture, but soon purchased the Moora Veterinary practice, which was later sold to concentrate on a flourishing sheep consultancy business they had developed. Mike was also actively involved in the Australian Association of Agricultural Consultants. He returned to Victor Harbor in 1995 and set up Fleurieu Ag Vet consultancy. Mike worked with fellow Murdoch graduates, Debbie Lehmann and Greg Johnsson, in the Kangaroo Island veterinary practice servicing sheep consultancy clients and served on the SAAAS board. He maintained his interest in consultancy while working for the Victor Harbor veterinary practice from 1985 to 1989. With Gaynor and their two daughters, Danielle and Natalie, they moved to Western Australia in early 1989. Mike was initially employed as veterinary epidemiologist with the WA Department of Agriculture, but soon purchased the Moora Veterinary practice, which was later sold to concentrate on a flourishing sheep consultancy business they had developed. Mike was also actively involved in the Australian Association of Agricultural Consultants. He returned to Victor Harbor in 1995 and set up Fleurieu Ag Vet consultancy. Mike worked with fellow Murdoch graduates, Debbie Lehmann and Greg Johnsson, in the Kangaroo Island veterinary practice servicing sheep consultancy clients and later jointly set up Ag Vet SA. Business was successful, but a melanoma scare in late 1998 caused Mike to rethink his career path. This was fortunate for PIRSA. Following a consultancy on the progress of the ovine Johnes’ disease program in SA, Mike joined the Department full-time to administer the State program. He more recently gained a position in charge of animal health training and industry liaison, but his knowledge, experience and PR skills ensured continued commitment to the ovine Johnes’ disease program. His loyalty and love for consultancy lead to him continuing to work weekends with his Kangaroo Island clients despite the heavy workload with PIRSA.

Mike’s dedication, commitment and interpersonal skills were similarly apparent in his sporting life. Apart from a decorated career in SA and WA football leagues with West Torrens and Swan Districts respectively, he was also a keen basketballer and chosen in the State team in his late teens. His generous nature, leadership and football skills were evident as inaugural playing coach for the Murdoch University ‘Boomers’ football club and in many other coaching roles he had in subsequent associations. He played football into his 40s and had been playing basketball at the time he died. His passion for life and commitment was equally evident through his family life with Gaynor and his daughters. Mike’s relaxed, self-confident and friendly approach combined with a considerate nature meant that he was well liked in all walks of life.

Mike’s untimely death left a sense of disbelief and emptiness for the many whose lives he had touched and professionally left a large hole in the agricultural service industry. Our hearts go out to Gaynor, Danielle and Natalie and trust that we can all find some solace in Mike having made our lives richer through the friendship he so warmly gave.

C Trengove