BIT's 9th Annual World Cancer Congress-2016

2016第九届世界癌症大会

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主题：抗癌策略新思路

Theme: Rethinking Anticancer Strategy

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Venue: Crowne Plaza Shanghai Anting Golf, Shanghai, China

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会刊 Conference Abstract Book

Title: Cutaneous Tumors in Small Ruminants: UV Ray Exposure and Papillomavirus Infection as Potential Risk Factors

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Abstract

Tumors of skin and subcutaneous tissues are the most frequently recorded tumors in farm animal species. In small ruminants squamous cell carcinomas and melanomas occur more frequently in body areas poor of wool and pigmentation like ears, eyes, nose, mouth, base of the horns, coronary band and perineum. Their real prevalence of these tumors is not determined because of the short productive life of these animals, the extensive farming system employed but, mainly, the low interest for these animals species. In human medicine several risk factors have been described such as race, lack of skin pigmentation and excessive exposure to sun-light. In veterinary pathology genetic susceptibility, prolonged exposure to sunlight, dark skin, vegetal photosensitizing agents and Papillomavirus infection has been mentioned as potential predisposing factors. The authors describe their personal experience acquired during the diagnostic activity in Sicilia region (south of Italy), confirming the potential role of a long exposition to the UV rays of the sun-light in the development of these tumors. The role of Papillomavirus remains to be confirmed because the inconstant presence of viral DNA sequences in small ruminants tumors.

Biography

Maria Teresa Capucchio, DVM, Ph.D., is an Associate Professor at the University of Torino, Department of Veterinary Science, graduated in 1992 cum laude (Torino University), Ph.D. in Comparative Animal Pathology (2000); specialized in Laboratory Diagnostic (1994) and in Public Veterinary Health (1996). Member of Ph.D. Committee in Vet. Science (Torino University). Coordinator of a team involved in local, national/international projects on veterinary and comparative pathology applying histopathology, immunohistochemistry and molecular biology techniques. Main researches: host-biological pathogens interactions, zoonosis, tumor pathology and aging diseases particularly of large animals. Authors of 310 publications: national international journals (n. 111), abstracts (n. 199). Coauthors in five book chapters and one atlas of small ruminants veterinary pathology.