Electron microscopic imaging and analysis of ‘Candidatus Mycoplasma turicensis’

Summary / Zusammenfassung
Recently, there has been a growing interest in hemotropic mycoplasmal species (also known as the hemoplasmas) the causative agents of infectious anemia in several mammalian species. In felids, three different hemoplasma species have been recognized: Mycoplasma haemofelis, ‘Candidatus Mycoplasma haemominutum’ and the recently identified ‘Candidatus Mycoplasma turicensis’. The latter had been discovered in a Swiss cat with a history of severe intravascular hemolysis. So far, ‘Candidatus Mycoplasma turicensis’ was only detectable by PCR assays. No images, in particular no electron microscopic images and no morphological characterization of ‘Candidatus Mycoplasma turicensis’ are available. It is thus the goal of the study in collaboration with Prof. Dr. med. vet. Peter Wild (Veterinary Anatomy) to demonstrate and characterize ‘Candidatus Mycoplasma turicensis’ in the blood from experimentally infected SPF cats.

Publications / Publikationen

Keywords / Suchbegriffe
Haemoplasma, haemotropic Mycoplasma, feline infectious anemia, electron microscopy, ‘Candidatus Mycoplasma turicensis’

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Funding Source(s) / Unterstützt durch
No project-specific funding

In Collaboration with / In Zusammenarbeit mit
Prof. Dr. med. vet. Peter Wild, Veterinary Anatomy, Vetsuisse Faculty, Switzerland
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Veterinary Bacteriology, Vetsuisse Faculty, University of Zurich, Zurich Switzerland
Duration of Project / Projektdauer
Aug 2007 to Jun 2010