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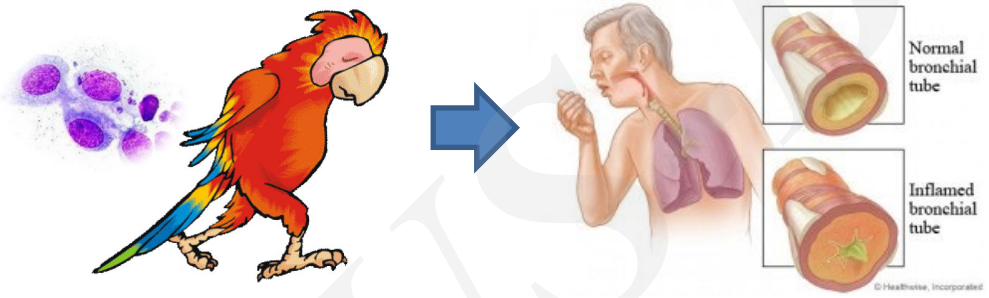
Prevalence and genotype of *Chlamydia psittaci* in faecal samples of birds from zoos and pet markets in Kunming, Yunnan, China

Key words: ***Chlamydia psittaci*, Genotype, *ompA*, Prevalence, Yunnan**

Research Summary

***Chlamydia psittaci* is an important zoonotic pathogen in birds and may be transmitted to humans and result in severe respiratory disease.**





About 1288 species of birds inhabit China, most of which can be found in Yunnan.

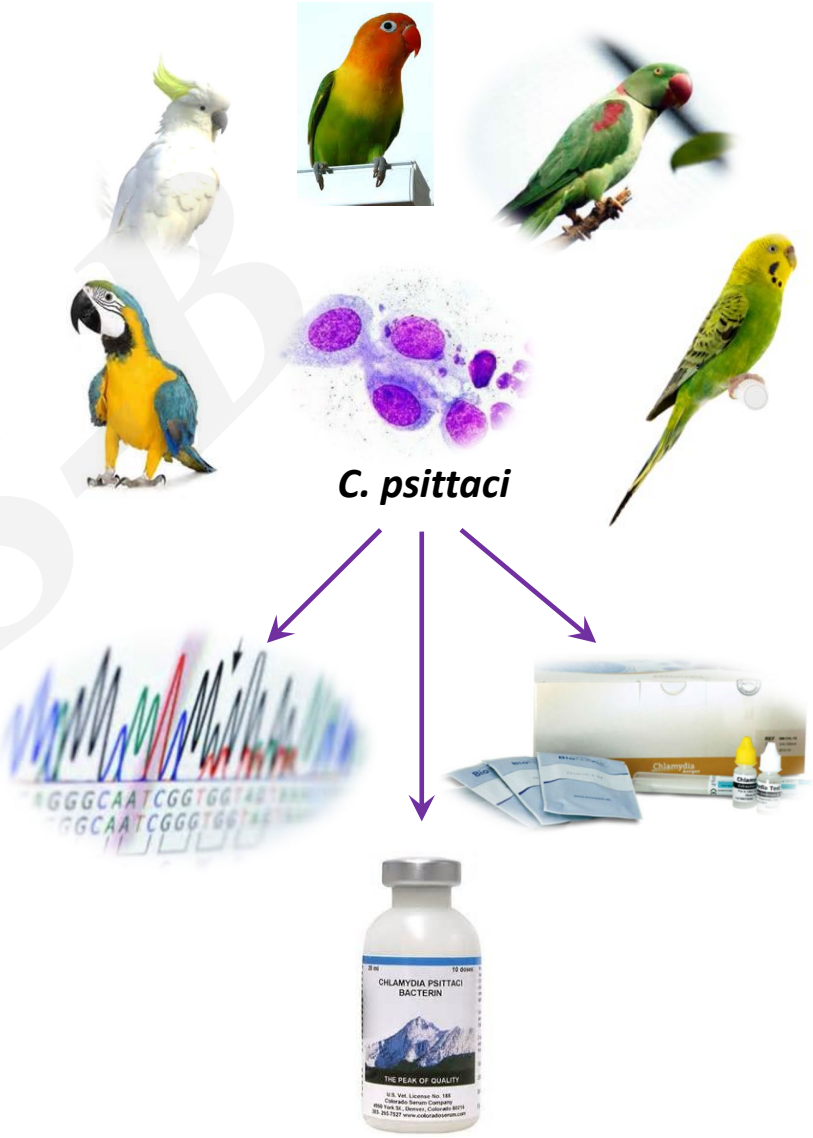
- **Assess the prevalence and the genotypes of *C. psittaci* in the faeces of birds from zoo and pet markets in Kunming city.**

Innovation points

- **A high *Chlamydia psittaci* infection in psittacine birds in Yunnan, China.**

- **A high prevalence of genotype A of *C. psittaci* in this region.**

- **It is necessary to take effective measures to prevent the spread of *C. psittaci* among psittacine birds, as well as among employees and customers.**



Prevent the spread of *C. psittaci*

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Innovation points

A Table and a figure were generated to summarize the prevalence of *chlamydia psittaci* in Kunming City.

Table 1 | Differences of chlamydia psittaci infection between Zoo birds and Pet birds.

Figure 1 | Phylogenetic tree constructed by the neighbour-joining method based on partial nucleotide sequences of *ompA* of *C. psittaci* (1054 bp).

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