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乌鲁木齐市犬弓形虫血清流行病学调查与分析

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Seroepidemiological Survey of *Toxoplasma gondii* in Dogs in Urumqi

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摘要

为了解新疆乌鲁木齐市家犬与流浪犬弓形虫血清流行病学情况,于2011-2012年分别从3家宠物医院和1家流浪犬收容所采集家犬和流浪犬血样308份和110份。ELISA法检测结果显示,犬血清弓形虫IgG抗体总阳性率为31.8% (133/418),其中,家犬和流浪犬弓形虫抗体阳性率分别为29.9% (92/308)和37.3% (41/110),两者差异无统计学意义(P>0.05)。家犬中,雄性犬的阳性率为27.0% (41/152),雌性犬的阳性率为32.7% (51/156) (P>0.05);犬龄<1岁的阳性率为27.1% (32/118),1~2岁的阳性率为30.2% (29/96),>2岁的阳性率为33.3% (31/94),不同犬龄间差异无统计学意义(P>0.05)。提示乌鲁木齐市犬弓形虫血清抗体阳性率较高。

关键词: 弓形虫, 抗体, 犬, 血清流行病学调查, 乌鲁木齐

Abstract:

From 2011 to 2012 in Urumqi, blood samples of 308 household dogs and of 110 stray dogs were collected from three pet hospitals and a stray dog shelter, respectively. Serum anti-*Toxoplasma gondii* IgG was detected by ELISA. The results showed that the overall seropositive rate was 31.8% (133/418). The rate in household dogs and stray dogs was 29.9% (92/308) and 37.3% (41/110), respectively (P>0.05). Among 308 household dogs, the positive rate in males and females was 27.0% (41/152) and 32.7% (51/156), respectively (P>0.05). The seropositive rate in dogs <1 years old, 1-2 years old, and more than 2 years old was 27.1% (32/118), 30.2% (29/96), and 33.3% (31/94), respectively (P>0.05). The results revealed a high seroprevalence of *T. gondii* infection in dogs in Urumqi.

Key words: *Toxoplasma gondii* Antibody Dog Serological survey Urumqi

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