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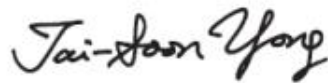
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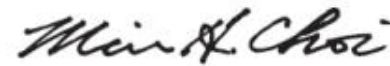
At the 14th International Congress of Parasitology during August 19-24, 2018 at Daegu, Korea.



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Details



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The number of clinical cases associated with tick-borne diseases in northern Mexico has increased in the last lustrum. The state of Chihuahua (located south of the Mexico-USA border) is no exception, where the two most populated municipalities of Chihuahua and Cd. Juárez have had an increasing number of reports of rickettsiosis since 2015.

Together with national programs of vector control, we proposed a multi-institutional approach to address the current situation regarding ticks collected from endemic sites, as well as potential identification of etiological agents of veterinary and clinical importance. To date, we have identified other agents present in ticks collected from previous years, highlighting the importance of considering the presence of

microorganisms other than *Rickettsia* spp. Our Eco Health approach is divided into six main areas: 1) Community selection, 2) Socialisation Initiative, 3) Community organisation, 4) Research, 5) Intervention, and 6) Inter-sectorial coordination, with a strong focus on inter-institutional participation. This approach has allowed us to identify potential areas of intervention directly in the affected communities. In this work, we present the results obtained from our collaboration with the Federal Rickettsiosis Control Program, from our research group's perspective. Moreover, we are currently exploring

diverse ideas aimed at developing activities and on-site evaluation and use of affordable tools that could allow us to identify the specimens collected, as well as to sensitise the general population on both the vector and their potential transmitted diseases.

Keywords: Tick, *Rhipicephalus sanguineus*, Tickborne diseases, Rickettsiosis, Vector transmitted diseases

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