



Animal ectoparasites and its zoonotic impact on human's health

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ARTICLE INFO

Received: 15.01.2020

Revised: 27.02.2020

Accepted: 02.03.2020

Publish online: 07.03.2020

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Abstract

Ectoparasites of animals (farm animals, rodents, and birds) such as mites, ticks, fleas, and lice able to infest humans. It is considered as zoonotic arthropod infections of humans and plays an essential role in the transmission of several pathogens. Zoonotic diseases

define as infections of animals that are naturally transmissible to humans. Moreover, these ectoparasites from different species of animals are frequently recorded as biting of humans and commonly leading to the development of extensive and severe allergic rashes. Likewise, strains of animals *Sarcoptes scabiei* from the farm, companion, or even wild animals can also infest humans. *Cordylobia anthropophagi* and *Dermatobia hominis* the causative agents of myiasis in Africa and Latin America, respectively, are other zoonotic arthropod infections of humans. These infections were commonly reported in travelers and refugees from these regions. It is worth to mention here, although lice are very host specific and accordingly, lice of animals do not attack humans (vice versa). However, ticks are mostly not very host-specific, and therefore it attacks humans; moreover, some species causing tick paralysis and many responsible for transmitting viral, bacterial, and protozoan diseases of animals to humans. Review of literature revealed scarce publication regarding the animal ectoparasites and its zoonotic impact on humans. Consequently, this review article emphasis on animal ectoparasites and its zoonotic impact on humans, particularly mites, and ticks the more common ectoparasites.

To Cite this article: Karima Akool Al-Salihi. (2020). Animal ectoparasites and its zoonotic impact on human's health (2020). MRVSA. 9 (1): 1-25. Doi: <http://dx.doi.org/10.22428/mrvsa-2020-0091-01>

Keywords: Animal, Ectoparasites, farm animals, tick paralysis, zoonotic impact.