
Poster Session 2 – Workshop Rodent-Borne Diseases

76 Education in health associated with gamification against leptospirosis

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Outbreaks of leptospirosis are reported in urban centers of several developing countries around the world. In Brazil, more than 12,000 cases of leptospirosis occur every year, mainly during urban epidemics, with the lethality of 12%. Most of these cases are related to low-income populations with precarious basic sanitation infrastructure, inadequate housing and high human concentration. Urban leptospirosis is the most prevalent in Brazil in recent decades. In the city of Salvador-Bahia/Brazil, new cases of leptospirosis happen annually in the peripheral districts during the rainy periods. The transmission occurs mainly in the domestic environment, where the soil-water interface is present, at regions prone to floods served by open-air sewers or with inadequate rainwater drainage. The level of the knowledge, attitudes and practices (KAP) of residents of these vulnerable areas can contribute to the identification of environmental factors favorable to rodents and of actions that can reduce the risk of contamination by *Leptospira*. Education in health practices associated with the gamification strategies (challenges, competition, performance feedback, collaborative work, rewards etc.) can motivate people to become aware of environmental risk factors with greater engagement and motivation. The objective of this study is to evaluate the KAP with young people and their families through the methodology of education and health associated with the strategy of gamification in two peripheral communities in Salvador. For this reason, workshops are being held in one public school and in two groups of young people and their families, using applications based on gamification.

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Jens Jacob, Jana Eccard (Editors)

6th International Conference of Rodent
Biology and Management
and
16th Rodens et Spatium

Potsdam, Germany, 3-7 September 2018

Book of Abstracts



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