Tourists in Leishmaniasis Endemic Areas and their Knowledge of the Disease

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BACKGROUND

- With the increase of tourism to tropical destinations, the need for travel health advice has increased
- American Cutaneous Leishmaniasis (ACL) is rarely included in this advice
- Numerous cases of tourists with ACL (L. braziliensis) have been described (eg. Melby '92, Caumes '95)
- Lack of education for travellers has been pointed out (eg. Herwald '93)

AIMS OF THE STUDY

To describe the knowledge and behaviour of tourists booked on a tour to Manu National Park in relation to leishmaniasis and its prevention.

METHOD

At the briefing the evening before the trip, 447 clients of two tour operators in Cusco / Peru were given a questionnaire as part of a larger intervention study on knowledge and behaviour in relation to leishmaniasis. Apart from demographic data and questions on travel health advice seeking behaviour (closed questions), clients were asked if they had heard of ACL, and if so, what they knew about the disease and its prevention (open questions).

RESULTS

- Seeks Travel Health Advice
- Sought Advice before this Trip
- Had Heard about Leishmaniasis (n = 424)

Knowledge on the Disease

Of all 28 who had heard about the disease, some continued to share their knowledge:

Correct:
- Transmission through sandfly (9)
- incubation period (1)
- bites/suces don’t heal (3)
- tissue destruction (3)

Incorrect:
- Transmission through other insects (3)
- larvae hatch out under the skin (1)
- bacteria cause disease (1)
- it is called Chagas disease (1)
- this is Bilharzia (1)

Additional Results

- There is widespread confusion about what a ‘sandfly’ is
- There is a great interest in and need for travel health advice
- There is a widespread dissatisfaction with the travel health advice provided

DISCUSSION

- There was no significant difference between 1) health professionals and scientists, and 2) other occupations in relation to the accuracy of their knowledge of the disease and preventative measures.
- In particular, the lack of knowledge was highlighted by the wrong suggestions given for prevention.
- Appropriate information should be included in travel health advice so that travellers are aware of the correct preventative measures and returning travellers can alert their physicians about the possibility of an infection.

CONCLUSION

Correct and complete advice on Leishmaniasis needs to be included in travel health advice for travellers to endemic areas.

ACKNOWLEDGMENTS

- The International Society of Travel Medicine funded this project.
- Pantiacolla Tours and Manu Expeditions in Cusco provided access to their clients and conducted the data collection.

The Cartography Centre, JCU, helped produce this poster.