

POSTER PRESENTATION

Open Access

Clinical aspects of *Plasmodium falciparum* infection. Case presentation

Bianca Voinescu^{1*}, Mihaela Lupse^{1,2}

From The 9th Edition of the Scientific Days of the National Institute for Infectious Diseases Prof Dr Matei Bals Bucharest, Romania. 23-25 October 2013

Background

The variability of clinical manifestation of *Plasmodium falciparum* (PF) infection remains a challenge in sub-Saharan countries, where clinical exam is the first diagnostic line.

The main objective of the presentations is to show the multitude of clinical aspects of PF infection.

I selected some cases from an indeterminate lot of patients who have been consulted and treated in Centre de Santé Buraniro, Province Kayanza, Burundi, Africa, between November 2012 – August 2013.

I choose for presentation: severe anemia among children, articular manifestation among teenagers, cerebral manifestation among elders, malnutrition and severe complication of malaria.

Case report

1) Severe anemia in a 4 year-old child developed in less than 12 hours (in the first day of hospitalization capillary hemoglobin (Hb) was 13 g/dL; in the second day of hospitalization capillary Hb decreased to 5.4 g/dL).

2) Unexpected cerebral complication (profound coma) developed after 48 hours of hospitalization in an 82 year-old man who presented only asthenia-like clinical manifestation of malaria.

3) Several cases among teenagers with important arthralgia-like as the only clinical manifestation and with severe and fast evolution to death.

4) A 25 year-old woman with severe protein caloric malnutrition and unspecific clinical manifestation of malaria who developed pulmonary edema in less than 48 hours.

Conclusion

The clinical outlook doesn't always represent a criterion for early diagnostic and for future complication of plasmodium infection.

Malaria remains an important problem in the world starting with the accuracy of clinical diagnosis, the necessity of laboratory confirmation, prevention and treatment of complications, social implications of morbidity and mortality.

Authors' details

¹Clinical Hospital of Infectious Diseases, Cluj-Napoca, Romania. ²Department of Infectious Diseases, Iuliu Hațieganu University of Medicine and Pharmacy, Cluj-Napoca, Romania.

Published: 16 December 2013

doi:10.1186/1471-2334-13-S1-P60

Cite this article as: Voinescu and Lupse: Clinical aspects of *Plasmodium falciparum* infection. Case presentation. *BMC Infectious Diseases* 2013 13 (Suppl 1):P60.

Submit your next manuscript to BioMed Central and take full advantage of:

- Convenient online submission
- Thorough peer review
- No space constraints or color figure charges
- Immediate publication on acceptance
- Inclusion in PubMed, CAS, Scopus and Google Scholar
- Research which is freely available for redistribution

Submit your manuscript at
www.biomedcentral.com/submit

 **BioMed Central**

* Correspondence: bvoinescu@yahoo.co.uk

¹Clinical Hospital of Infectious Diseases, Cluj-Napoca, Romania
Full list of author information is available at the end of the article