



## FAMILY OUTBREAK OF VIRAL HEPATITIS E. CASE PRESENTATION

Gheorghe Plăcintă<sup>1</sup>, Victor Pântea<sup>1</sup>, Lilia Cojuhari<sup>1</sup>, Valentin Ceboțarescu<sup>1</sup>, Lidia Plăcintă<sup>2</sup>, Tatiana Musteață<sup>3</sup>

Department of Infectious Diseases, Nicolae Testemitanu State University of Medicine and Pharmacy, Chisinau, Republic of Moldova

Department of Infectious Diseases, tropical and medical parasitology, Nicolae Testemitanu State University of Medicine and Pharmacy, Chisinau, Republic of Moldova

Clinical Hospital of the Infectious Diseases "Toma Ciorbă", Chisinau, Republic of Moldova

### Introduction

Hepatitis E Virus Infection represents a global public health issue, as well as for the Republic of Moldova. Given this, the European Association for the Study of the Liver created in 2018 a practical guide of clinical conduct, epidemiology, diagnosis, treatment, and prophylaxis.

### Results

The family went on a vacation in Egypt from 16-23.03.19. The first gets sick mother with nausea, vomiting twice, loss of appetite, general weakness - lasting a week, then the condition improved. Then the 2 children get sick, with the same clinical symptoms, which improve quickly. The latter ill father with - nausea, vomiting, loss of appetite, pain in the right costal rim, acholic stool, general malaise. From investigations - hypertransaminazemia and directed to HCID "Toma Ciorbă", where was confirmed viral hepatitis E. From the epidemiological investigation - the mother sometimes used tap water and the personal hygiene was not always respected in the family.

### Material and methods

The study constituted of 4 members of a young family: mother, father, and 2 children, aged 4 years and 1 year and 6 months.

### Conclusions

A family outbreak has been reported with hepatitis E, in which the first contact was most likely, via water. The disease in the first three patients evolved into a mild form and in latter case evolved into a medium form, which was confirmed clinically and by long term transaminemia.

### Keywords

Hepatitis E, ALT, AST