



## Bosnian burden of Brucellosis disease in Children for last ten years

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### Abstract

**Background:** The global burden of human brucellosis remains enormous and specially in Bosnia and Herzegovina. Infection can be transmitted to humans and children through direct contact with infected animals or their secretions, consumption of raw milk and dairy products, and inhalation of aerosols.

**Objective:** The aim of this review is to provide insight to epidemiology, etiology, clinical features, diagnosis and management of childhood brucellosis.

**Methods:** Polymerase chain reaction (PCR) tests have been developed for the detection and rapid diagnosis of *Brucella* species in human blood specimens. A newly developed Enzyme-linked immune-sorbent assay (ELISA), Brucellacapt has demonstrated improved sensitivity compared to traditional agglutination methods.

**Results:** For brucellosis in children younger than eight years, administration of rifampin and TMP-SMZ for six weeks in the therapy of choice. The relapse rate appears to be approximately 4% or lower in Bosnia. The dominant manifestations were fever in 88.4%, joint pain in 61.1% and hepatomegaly in 56.8% sick children. Organ affection was present in 51.0% of the children patients.

**Conclusion:** The goal of medical therapy in brucellosis to control symptoms as quickly as possible in order to prevent complications and relapses. Immunization is not an option for children patients and humans. The vaccine is attenuated for animals but not for humans and may cause disease in humans.

### Biography

Bajraktarevic Adnan is now working as Public Health Institution of Canton Sarajevo Adviser. His professional background is in Medicine, Science, Pediatrics and Pharmacology. His current research projects are the ending of life in severe sick children. Decisions of parents. Diversity of acceptance depending from ethnic groups and Legal Regulations for Patenting, Labeling and Licensing Drugs for Children.

### Publication

1. Pediatrics errors as results Malpractice in Bosnia and Herzegovina, Bajraktarević Adnan, Trninić Slobodan, Ramadanovic Nazim, Sporišević Lutvo, Majstorović Sanda, Djulepa Djurdjevic Aida, Niksic Haris, Zvizdic Zlatan, Masala Almir, Bajraktarevic Edisa



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