

## MINISTRY OF SCIENCE AND TECHNOLOGY

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### SVIBOR - Collecting Data on Projects in Croatia

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**Project code: 55; 3-01-143**

### **Reference values of biochemical and hematological blood and serum components in school children of Zagreb (and suburbs)**

**Main researcher: JAGARINEC, NADA (90645)**

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#### **Assistants**

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**Type of research:** *applied*

**Duration** from: 07/09/91. to 12/31/95.

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**Institution name:** Bolnica "Merkur", Zagreb (44)

**Department/Institute:** Institute of Clinical Chemistry

**Address:** Zajčeva 19

**City:** 10000 - Zagreb, Croatia

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**Summary:** Reference values of 61 biochemical and hematological blood and serum components are determined, for the first time, on the 2% sample of population of children (age 7-19) of Zagreb and suburbs.

**Keywords:** Pediatric reference values; Pediatric reference intervals

**Research goals:** An interpretation of clinical laboratory data for the purpose of medical diagnosis or therapeutic management is a comparative decision making process. To obtain a proper decision, reference values for all laboratory tests are essential. Therefore the purpose of this project is determination of "health associated" reference values as well as the reference intervals with regard to the degree of biological variations (age, sex and other endogenous and exogenous factors) of all basic biochemical and hematological blood and serum components, derived from a reference sample of healthy children (age 7-19) of the city of Zagreb and suburbs. Our basic guidelines are recommendations developed by the Expert Panel on Theory of Reference Values (EPTRV) of the International Federation of Clinical Chemistry (IFCC) and the Standing Committee on Reference Values of the International Council for Standardization in Haematology (ICSH). The proposed project is the first one in our country. The results should primarily help physicians in pediatric medical practice, for adequate and reliable health care of the children of Zagreb and suburbs.

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## COOPERATION - INSTITUTIONS

- Name of institution:** Dječja klinika KBC Rebro (Prof. Dr. Duško Mardešić)  
**Type of institution:** University/Faculty, 10000 - Zagreb, Croatia  
**Type of cooperation:** Occasional exchange of information
- Name of institution:** Medicinski fakultet Zagreb, Škola narodnog zdravlja "Dr. Andrija Štampar" (Prof. Dr. Živka Prebeg)  
**Type of institution:** University/Faculty  
**Type of cooperation:** Occasional exchange of information  
**City:** 10000 - Zagreb, Croatia
- Name of institution:** Dom zdravlja "Trešnjevka"  
**Type of institution:** Non-profit  
**Type of cooperation:** Systematic exchange of information  
**City:** 10000 - Zagreb, Croatia
- Name of institution:** St. James's University Hospital  
**Type of institution:** University/Faculty  
**Type of cooperation:** Occasional exchange of information  
**City:** Leeds, England