



Search

Return to Search Results

My Tools ▼

Search History

Marked List

NCBI



Save to EndNote online

Add to Marked List

2 of 7

## From Data Mining Rules to Medical Logical Modules and Medical Advices

By: [Gomoi, V](#) (Gomoi, Valentin)<sup>[1]</sup>; [Vida, M](#) (Vida, Mihaela)<sup>[1]</sup>; [Robu, R](#) (Robu, Raul)<sup>[1]</sup>; [Stoicu-Tivadar, V](#) (Stoicu-Tivadar, Vasile)<sup>[1]</sup>; [Bernad, E](#) (Bernad, Elena)<sup>[2]</sup>; [Lupse, O](#) (Lupse, Oana)  
 Edited by: [Lehmann, CU](#); [Ammenwerth, E](#); [Nohr, C](#)

**MEDINFO 2013: PROCEEDINGS OF THE 14TH WORLD CONGRESS ON MEDICAL AND HEALTH INFORMATICS, PTS 1 AND 2**

**Book Series:** Studies in Health Technology and Informatics

**Volume:** 192 **Pages:** 1094-1094

**DOI:** 10.3233/978-1-61499-289-9-1094

**Published:** 2013

### Conference

**Conference:** 14th World Congress on Medical and Health Informatics (MEDINFO)

**Location:** Copenhagen, DENMARK

**Date:** AUG 20-23, 2013

### Abstract

Using data mining in collaboration with Clinical Decision Support Systems adds new knowledge as support for medical diagnosis. The current work presents a tool which translates data mining rules supporting generation of medical advices to Arden Syntax formalism. The developed system was tested with data related to 2326 births that took place in 2010 at the Bega Obstetrics - Gynaecology Hospital, Timisoara. Based on processing these data, 14 medical rules regarding the Apgar score were generated and then translated in Arden Syntax language.

### Author Information

**Reprint Address:** Vida, M (reprint author)

+ Univ Politehnica Timisoara, Dept Automat & Appl Informat, Bd V Parvan 2, Timisoara 300223, Romania.

#### Addresses:

+ [ 1 ] Univ Politehnica Timisoara, Dept Automat & Appl Informat, Bd V Parvan 2, Timisoara 300223, Romania

[ 2 ] Univ Med & Farm Timisoara, Dept Obstetr & Gynaecol, Timisoara, Romania

**E-mail Addresses:** [mihae-la.vida@aut.upt.ro](mailto:mihae-la.vida@aut.upt.ro)

### Publisher

IOS PRESS, NIEUWE HEMWEG 6B, 1013 BG AMSTERDAM, NETHERLANDS

### Categories / Classification

**Research Areas:** Health Care Sciences & Services; Medical Informatics

**Web of Science Categories:** Health Care Sciences & Services; Medical Informatics

### Document Information

**Document Type:** Proceedings Paper

**Language:** English

**Accession Number:** WOS:000341021700362

**PubMed ID:** 23920868

**ISBN:** 978-1-61499-289-9; 978-1-61499-288-2

**ISSN:** 0926-9630

### Citation Network

0 Times Cited

2 Cited References

[View Related Records](#)

[View Citation Map](#)

[Create Citation Alert](#)

(data from Web of Science™ Core Collection)

### All Times Cited Counts

0 in All Databases

0 in Web of Science Core Collection

0 in BIOSIS Citation Index

0 in Chinese Science Citation Database

0 in Data Citation Index

0 in Russian Science Citation Index

0 in SciELO Citation Index

### Usage Count

Last 180 Days: 0

Since 2013: 2

[Learn more](#)

**This record is from:**  
**Web of Science™ Core Collection**

### Suggest a correction

If you would like to improve the quality of the data in this record, please [suggest a correction](#).

Other Information

IDS Number: BB1DZ

Cited References in Web of Science Core Collection: 2

Times Cited in Web of Science Core Collection: 0

