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

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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.

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### 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

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