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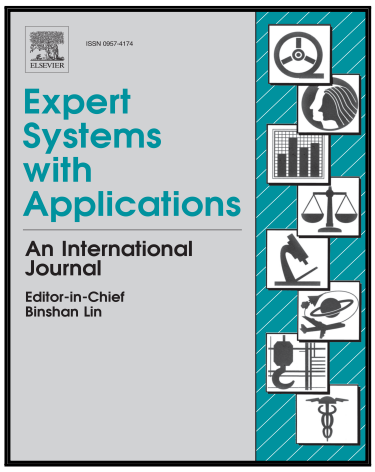

Early Diagnosis of Gastrointestinal Cancer by Using Case-Based and Rule-Based Reasoning

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PII: S0957-4174(16)30251-2
DOI: 10.1016/j.eswa.2016.05.026
Reference: ESWA 10684

To appear in: *Expert Systems With Applications*

Received date: 14 December 2015
Revised date: 25 April 2016
Accepted date: 16 May 2016

Please cite this article as: Renata Saraiva, Mirko Perkusich, Lenardo Silva, Hyggo Almeida, Clauirton Siebra, Angelo Perkusich, Early Diagnosis of Gastrointestinal Cancer by Using Case-Based and Rule-Based Reasoning, *Expert Systems With Applications* (2016), doi: 10.1016/j.eswa.2016.05.026

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Highlights

- We present a medical diagnosis decision support model for gastrointestinal cancer.
- The model uses case-based reasoning (CBR) and rule-based reasoning (RBR).
- We used real patient data as inputs to our model.
- The model was validated through K-fold cross validation and the paired t-test.
- Improved diagnosis accuracy compared to a CBR approach not using RBR in retrieval.

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