

# Accepted Manuscript

The Semiotics of Medical Image Segmentation

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PII: S1361-8415(17)30176-7  
DOI: [10.1016/j.media.2017.11.007](https://doi.org/10.1016/j.media.2017.11.007)  
Reference: MEDIMA 1314



To appear in: *Medical Image Analysis*

Received date: 17 April 2017  
Revised date: 30 October 2017  
Accepted date: 18 November 2017

Please cite this article as: John SH Baxter , Eli Gibson , Roy Eagleson , Terry M. Peters , The Semiotics of Medical Image Segmentation, *Medical Image Analysis* (2017), doi: [10.1016/j.media.2017.11.007](https://doi.org/10.1016/j.media.2017.11.007)

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**Highlights**

- A semiotics-driven framework for understanding knowledge-driven interaction in medical image segmentation is proposed.
- This framework is grounded in Peircean semiotics in order to structure and characterize how particular interactions are interpreted by both the user and the computer.
- Using the notion of interface metaphors, this framework shows how metaphor quality metrics can be used to analyze interaction and improve ease-of-use in communicating complex anatomical knowledge.

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