

Accepted Manuscript

Accurate Liver Vessel Segmentation via Active Contour Model with Dense Vessel Candidates

Minyoung Chung , Jeongjin Lee

PII: S0169-2607(18)30649-7
DOI: <https://doi.org/10.1016/j.cmpb.2018.10.010>
Reference: COMM 4798



To appear in: *Computer Methods and Programs in Biomedicine*

Received date: 5 May 2018
Revised date: 3 September 2018
Accepted date: 1 October 2018

Please cite this article as: Minyoung Chung , Jeongjin Lee , Accurate Liver Vessel Segmentation via Active Contour Model with Dense Vessel Candidates, *Computer Methods and Programs in Biomedicine* (2018), doi: <https://doi.org/10.1016/j.cmpb.2018.10.010>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- A new fully automated liver vessel segmentation algorithm is proposed.
- Our method can generate a smooth and accurate boundary of the vessel object.
- Our method can easily extract thin and weak peripheral branch vessels.
- Accuracies are quantified by new measures using structural branching points.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/11263687>

Download Persian Version:

<https://daneshyari.com/article/11263687>

[Daneshyari.com](https://daneshyari.com)