

Accepted Manuscript

Vessel Extraction from Non-fluorescein Fundus Images Using Orientation-aware Detector

Benjun Yin, Huating Li, Bin Sheng, Xuhong Hou, Yan Chen, Wen Wu, Ping Li, Ruimin Shen, Yuqian Bao, Weiping Jia

PII: S1361-8415(15)00139-5
DOI: [10.1016/j.media.2015.09.002](https://doi.org/10.1016/j.media.2015.09.002)
Reference: MEDIMA 1041



To appear in: *Medical Image Analysis*

Received date: 16 December 2014
Revised date: 8 September 2015
Accepted date: 14 September 2015

Please cite this article as: Benjun Yin, Huating Li, Bin Sheng, Xuhong Hou, Yan Chen, Wen Wu, Ping Li, Ruimin Shen, Yuqian Bao, Weiping Jia, Vessel Extraction from Non-fluorescein Fundus Images Using Orientation-aware Detector, *Medical Image Analysis* (2015), doi: [10.1016/j.media.2015.09.002](https://doi.org/10.1016/j.media.2015.09.002)

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

- An adaptive two-level approach for retinal vessel extraction is proposed.
- The proposed strategy relies on the novel orientation-aware detector that can efficiently model locally oriented and linearly elongated structures.
- Wide vessels and thin vessels are special-varying, and they should be adaptively detected segmented.
- Performance of the proposed approach outperforms the most recent methods.

Download English Version:

<https://daneshyari.com/en/article/10337327>

Download Persian Version:

<https://daneshyari.com/article/10337327>

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