Accepted Manuscript

Weakly-Supervised Convolutional Neural Networks for Multimodal Image Registration

Yipeng Hu , Marc Modat , Eli Gibson , Wenqi Li , Nooshin Ghavami , Ester Bonmati , Guotai Wang , Steven Bandula , Caroline M. Moore , Mark Emberton , Sébastien Ourselin , J. Alison Noble , Dean C. Barratt , Tom Vercauteren

PII: S1361-8415(18)30105-1
DOI: 10.1016/j.media.2018.07.002
Reference: MEDIMA 1388

To appear in: *Medical Image Analysis*

Received date: 21 March 2018
Revised date: 20 June 2018
Accepted date: 3 July 2018

Please cite this article as: Yipeng Hu , Marc Modat , Eli Gibson , Wenqi Li , Nooshin Ghavami , Ester Bonmati , Guotai Wang , Steven Bandula , Caroline M. Moore , Mark Emberton , Sébastien Ourselin , J. Alison Noble , Dean C. Barratt , Tom Vercauteren , Weakly-Supervised Convolutional Neural Networks for Multimodal Image Registration, *Medical Image Analysis* (2018), doi: 10.1016/j.media.2018.07.002

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.

ACCEPTED MANUSCRIPT

Highlights

- A method to infer voxel-level correspondence from higher-level anatomical labels;
- Efficient and fully-automated registration for MR and ultrasound prostate images;
- Validation experiments with 108 pairs of labelled interventional patient images;
- Open-source implementation.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/6877794

Download Persian Version:

https://daneshyari.com/article/6877794

Daneshyari.com