

Accepted Manuscript

Dual-core Steered Non-rigid Registration for Multi-modal Images via Bi-directional Image Synthesis

Xiaohuan Cao , Jianhua Yang , Yaozong Gao , Yanrong Guo ,
Guorong Wu , Dinggang Shen

PII: S1361-8415(17)30075-0
DOI: [10.1016/j.media.2017.05.004](https://doi.org/10.1016/j.media.2017.05.004)
Reference: MEDIMA 1259



To appear in: *Medical Image Analysis*

Received date: 26 January 2017
Revised date: 5 May 2017
Accepted date: 9 May 2017

Please cite this article as: Xiaohuan Cao , Jianhua Yang , Yaozong Gao , Yanrong Guo ,
Guorong Wu , Dinggang Shen , Dual-core Steered Non-rigid Registration for Multi-modal Images
via Bi-directional Image Synthesis, *Medical Image Analysis* (2017), doi: [10.1016/j.media.2017.05.004](https://doi.org/10.1016/j.media.2017.05.004)

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 bi-directional image synthesis based multi-modal registration method is proposed.
- Using complimentary details from both modalities to guide non-rigid registration.
- We tackle the challenging problem of MRI synthesis from single CT modality.
- Dual-core deformation fusion framework is proposed to guide accurate registration.

Download English Version:

<https://daneshyari.com/en/article/4953330>

Download Persian Version:

<https://daneshyari.com/article/4953330>

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