

Accepted Manuscript

Deep neural networks for automatic detection of osteoporotic vertebral fractures on CT scans

Naofumi Tomita, Yvonne Y. Cheung, Saeed Hassanpour

PII: S0010-4825(18)30118-5

DOI: [10.1016/j.combiomed.2018.05.011](https://doi.org/10.1016/j.combiomed.2018.05.011)

Reference: CBM 2962

To appear in: *Computers in Biology and Medicine*

Received Date: 20 February 2018

Revised Date: 4 May 2018

Accepted Date: 5 May 2018

Please cite this article as: N. Tomita, Y.Y. Cheung, S. Hassanpour, Deep neural networks for automatic detection of osteoporotic vertebral fractures on CT scans, *Computers in Biology and Medicine* (2018), doi: 10.1016/j.combiomed.2018.05.011.

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.



Deep Neural Networks for Automatic Detection of Osteoporotic Vertebral Fractures on CT Scans

Naofumi Tomita¹, Yvonne Y. Cheung², and Saeed Hassanpour^{1,3,4}

¹Biomedical Data Science Department, Dartmouth College, Hanover, NH 03755, USA

²Radiology Department, Dartmouth-Hitchcock Medical Center, Lebanon, NH 03756, USA

³Epidemiology Department, Dartmouth College, Hanover, NH 03755, USA

⁴Computer Science Department, Dartmouth College, Hanover, NH 03755, USA

Corresponding Author:

Saeed Hassanpour, PhD

Dartmouth College

One Medical Center Drive, HB 7261

Lebanon, NH 03756, USA

Telephone: (603) 650-1983

Fax: (603) 650-1966

Email: Saeed.Hassanpour@dartmouth.edu

Download English Version:

<https://daneshyari.com/en/article/6920483>

Download Persian Version:

<https://daneshyari.com/article/6920483>

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