

Accepted Manuscript

Title: Diffusion tensor and volumetric magnetic resonance imaging findings in the brains of professional musicians

Authors: Niyazi Acer, Serap Bastepe-Gray, Ayşe Sagioglu, Kazim Z. Gumus, Levent Degirmencioglu, Gokmen Zararsiz, Muhammet Usame Ozic



PII: S0891-0618(17)30127-8
DOI: <https://doi.org/10.1016/j.jchemneu.2017.11.003>
Reference: CHENEU 1527

To appear in:

Received date: 24-6-2017
Revised date: 21-10-2017
Accepted date: 2-11-2017

Please cite this article as: Acer, Niyazi, Bastepe-Gray, Serap, Sagioglu, Ayşe, Gumus, Kazim Z., Degirmencioglu, Levent, Zararsiz, Gokmen, Ozic, Muhammet Usame, Diffusion tensor and volumetric magnetic resonance imaging findings in the brains of professional musicians. *Journal of Chemical Neuroanatomy* <https://doi.org/10.1016/j.jchemneu.2017.11.003>

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.

Blake, C.;1; 2016. Arizona alfalfa industry gains acreage, tonnage, respect:

<http://www.westernfarmpress.com/alfalfa/arizona-alfalfa-industry-gains-acreage-tonnage-respect>. **Diffusion tensor and volumetric magnetic resonance imaging findings in the brains of professional musicians**

Niyazi Acer¹, Serap Bastepe-Gray², Ayşe Sagiroglu¹, Kazim Z. Gumus^{3*}, Levent Degirmencioglu⁴, Gokmen Zararsiz⁵, Muhammet Usame Ozic⁶

¹Erciyes U., Faculty of Medicine, Dept. of Anatomy, Kayseri, Turkey

²Johns Hopkins U., The Peabody Conservatory, Baltimore, Maryland, USA

³Erciyes U. Biomedical Imaging Research Center, Kayseri, Turkey

⁴Erciyes U., Faculty of Fine Arts, Dept. of Music, Kayseri, Turkey

⁵Erciyes U., Faculty of Medicine, Dept. of Biostatistics and Medical Informatics, Kayseri, Turkey

⁶Selcuk U., Faculty of Engineering, Dept. of Electrical and Electronics Engineering, Konya, Turkey

Word Count: 2650

Number of Figures: 9

Number of Tables: 4

Number of References: 39

Running Title: Imaging of Musician Brain

Correspondence:

Kazim Z. GUMUS, Ph.D.

Erciyes University.

Biomedical Imaging Research Center

Kayseri, Turkey, 38039

kzgumus@gmail.com

Tel: +90-507-6326073

Diffusion tensor and volumetric magnetic resonance imaging findings in the brains of professional musicians
Highlights

- We used volumetric and diffusion MRI methods in combination to provide better insights to understand the plasticity in the brains of the musicians.

Download English Version:

<https://daneshyari.com/en/article/8336167>

Download Persian Version:

<https://daneshyari.com/article/8336167>

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