frontiers in Aging Neuroscience

CORRECTION
published: 22 October 2020
doi: 10.3389/fnagi.2020.596070

Corrigendum: Assessment of Alzheimer's Disease Based on Texture Analysis of the Entorhinal Cortex

Stephanos Leandrou[1,2]*, *Demetris Lamnisos*[1], *Ioannis Mamais*[1], *Panicos A. Kyriacou*[2] and *Constantinos S. Pattichis*[3,4] *for the Alzheimer's Disease and Neuroimaging Initiative*[†]

[1] School of Science, European University Cyprus, Nicosia, Cyprus, [2] School of Mathematical Sciences, Computer Science and Engineering, City, University of London, London, United Kingdom, [3] Department of Computer Science, University of Cyprus, Nicosia, Cyprus, [4] Research Centre on Interactive Media, Smart Systems and Emerging Technologies (RISE CoE), Nicosia, Cyprus

Keywords: Alzheimer's disease, mild cognitive impairment, entorhinal cortex, magnetic resonance imaging, texture

OPEN ACCESS

Edited and reviewed by:
Ashok Kumar,
University of Florida, United States

***Correspondence:**
Stephanos Leandrou
s.leandrou@euc.ac.cy

[†]A portion of data used in preparation of this article were obtained from the Alzheimer's Disease Neuroimaging Initiative (ADNI) database (adni.loni.usc.edu). As such, the investigators within the ADNI contributed to the design and implementation of ADNI and/or provided data but did not participate in analysis or writing of this report. A complete listing of ADNI investigators can be found at: http://adni.loni.usc.edu/wp-content/uploads/how_to_apply/ADNI_Acknowledgement_List.pdf

Received: *18 August 2020*
Accepted: *04 September 2020*
Published: *22 October 2020*

Citation:
Leandrou S, Lamnisos D, Mamais I, Kyriacou PA and Pattichis CS (2020) Corrigendum: Assessment of Alzheimer's Disease Based on Texture Analysis of the Entorhinal Cortex. Front. Aging Neurosci. 12:596070. doi: 10.3389/fnagi.2020.596070

A Corrigendum on

Assessment of Alzheimer's Disease Based on Texture Analysis of the Entorhinal Cortex
by Leandrou, S., Lamnisos, D., Mamais, I., Kyriacou, P. A., and Pattichis, C. S. (2020). Front. Aging Neurosci. 12:176. doi: 10.3389/fnagi.2020.00176

In the original article, there was a mistake in **Table 6** as published. The first column title was "NC vs. MCI" and it should be "MCI vs. MCIc." The corrected **Table 6** appears below.

The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

TABLE 6 | Entorhinal cortex texture and volume in classifying MCI vs. MCIc.

MCI vs. MCIc	ROC analysis AUC	95% CI	*P*-value
Entorhinal cortex			
Texture features			
ASM	0.565	0.494–0.637	0.85
Contrast	0.583	0.510–0.657	0.028
Corelation	0.580	0.505–0.654	0.038
Variance	0.531	0.458–0.604	0.037
Sum average	0.591	0.520–0.662	0.036
Sum variance	0.527	0.451–0.603	0.475
Entropy	0.593	0.522–0.662	0.014
Cluster shade	0.696	0.632–0.759	0.032
Volume and thickness			
Erc. volume	0.642	0.573–0.711	<0.001
Erc. thickness	0.670	0.603–0.737	<0.001
Features combination			
Texture (ASM, correlation, variance, sum average, and cluster shade)	0.730	0.665–0.795	<0.001
Texture & Erc. volume	0.756	0.692–0.820	<0.001
Hippocampus			
Hippocampal volume	0.685	0.617–0.753	<0.001

MCIc, mild cognitive impairment converter; ROC, receiver operating characteristic; AUC, area under curve; CI, confidence interval; ASM, angular second moment; Erc, entorhinal cortex.