

Correction

Correction: Jung et al. GazeMap: Dual-Pathway CNN Approach for Diagnosing Alzheimer's Disease from Gaze and Head Movements. *Mathematics* 2025, 13, 1867

Hyuntaek Jung ¹, Shinwoo Ham ¹, Hyunyoung Kil ², Jung Eun Shin ^{3,*} and Eun Yi Kim ^{1,*}

¹ Computer Science and Engineering, Konkuk University, Seoul 05029, Republic of Korea; busan199@konkuk.ac.kr (H.J.); gka0656@konkuk.ac.kr (S.H.)

² Department of Software, Korea Aerospace University, Goyang 10540, Republic of Korea; hykil@kau.ac.kr

³ Department of Otolaryngology-Head & Neck Surgery, College of Medicine, Konkuk University, Seoul 05030, Republic of Korea

* Correspondence: eardoc@kku.ac.kr (J.E.S.); eykim@konkuk.ac.kr (E.Y.K.)

Error in Table

In the original publication [1], there was a mistake in Table 1 as published. After publication, we discovered an error in Table 1, specifically in the Output Sizes column. This table is essential for understanding the architecture of our dual-pathway CNN, and the incorrect output channel numbers for both the main pathway and sub-pathway may lead to confusion or prevent the reproducibility of our model. The corrected Table 1 appears below.

Table 1. The architecture details of the dual-pathway CNN. The orange colors mark fewer channels for the sub-pathway. The backbone is ResNet50.

Stage	Main Pathway	Sub-Pathway	Output Sizes ¹
Input	-	-	Main: 3×44^2 Sub: 3×44^2
conv1	$7^2, 64$ Stride 2^2	$7^2, 8$ Stride 2^2	Main: 64×22^2 Sub: 8×22^2
conv2_x	$\begin{bmatrix} 1^2, 64 \\ 3^2, 64 \\ 1^2, 256 \end{bmatrix} \times 3$	$\begin{bmatrix} 1^2, 8 \\ 3^2, 8 \\ 1^2, 32 \end{bmatrix} \times 3$	Main: 256×22^2 Sub: 32×22^2
conv3_x	$\begin{bmatrix} 1^2, 128 \\ 3^2, 128 \\ 1^2, 512 \end{bmatrix} \times 4$	$\begin{bmatrix} 1^2, 16 \\ 3^2, 16 \\ 1^2, 64 \end{bmatrix} \times 4$	Main: 512×11^2 Sub: 64×11^2
conv4_x	$\begin{bmatrix} 1^2, 256 \\ 3^2, 256 \\ 1^2, 1024 \end{bmatrix} \times 6$	$\begin{bmatrix} 1^2, 32 \\ 3^2, 32 \\ 1^2, 128 \end{bmatrix} \times 6$	Main: 1024×6^2 Sub: 128×6^2
conv5_x	$\begin{bmatrix} 1^2, 512 \\ 3^2, 512 \\ 1^2, 2048 \end{bmatrix} \times 3$	$\begin{bmatrix} 1^2, 64 \\ 3^2, 64 \\ 1^2, 256 \end{bmatrix} \times 3$	Main: 2048×3^2 Sub: 256×3^2
global average pooling, metadata concatenate, fc layer			2 (HC, AD)

¹ Output sizes: channel $\times$ height $\times$ width.



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The authors state that the scientific conclusions are unaffected. This correction was approved by the Academic Editor. The original publication has also been updated.

Reference

1. Jung, H.; Ham, S.; Kil, H.; Shin, J.E.; Kim, E.Y. GazeMap: Dual-Pathway CNN Approach for Diagnosing Alzheimer’s Disease from Gaze and Head Movements. *Mathematics* **2025**, *13*, 1867. [[CrossRef](#)]

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