

**Appendix 1** to Luciw NJ, Grigorian A, Dimick MK, et al. Classifying youth with bipolar disorder versus healthy youth using cerebral blood flow patterns. *J Psychiatry Neurosci* 2023. Copyright © 2023 The Author(s) or their employer(s).

To receive this resource in an accessible format, please contact us at [cmaigroup@cmaj.ca](mailto:cmaigroup@cmaj.ca).

DOI: 10.1503/jpn230012

*Online appendices are unedited and posted as supplied by the authors.*

**Supplementary Table 1. Association between the grey matter cerebral blood flow, current mania score, and current depression score; adjusted by age and sex within bipolar disorder group and healthy control group. Beta-weights for each variable within the linear model are shown and significant associations are marked by a bolded \* sign.** GMCBF: Grey matter cerebral blood flow. CDS: Current depression score. CMS: Current mania score. BD: Bipolar disorder.

$$GMCBF = Age + Sex + CDS + CMS$$

	<b>BD (n=46)</b>	<b>Control (n=49)</b>
<b><math>\beta</math>(Age)</b>	-2.34	-1.55
<b><math>\beta</math>(Sex)</b>	6.80	<b>6.38 *</b>
<b><math>\beta</math>(CDS)</b>	<b>-0.35 *</b>	-0.12
<b><math>\beta</math>(CMS)</b>	0.07	6.36
	$R^2 = 0.195$	$R^2 = 0.177$

**Appendix 1** to Luciw NJ, Grigorian A, Dimick MK, et al. Classifying youth with bipolar disorder versus healthy youth using cerebral blood flow patterns. *J Psychiatry Neurosci* 2023. Copyright © 2023 The Author(s) or their employer(s).

To receive this resource in an accessible format, please contact us at [cmaigroup@cmai.ca](mailto:cmaigroup@cmai.ca).

DOI: 10.1503/jpn230012

*Online appendices are unedited and posted as supplied by the authors.*

**Supplementary Table 2. Performance of logistic regression classification of diagnostic group using multivariate fALFF features.** AUC=area under the receiver operating characteristic curve.

<b>AUC</b>	<b>Accuracy</b>
0.56 ± 0.15	0.56 ± 0.12