Lipoma of the corpus callosum and mirror writing

Figure Handwriting, head CT, and MRI of the patient

(A) The patient's writing. (B) T1, nonenhanced brain MRI shows a large hyperintense mass in the anterior corpus callosum with absence of its posterior portion. (C) Head CT shows a mass with fat attenuation and peripheral calcifications in the anterior corpus callosum. Note the symmetric dilation of the atria and occipital horns.

Mirror writing and reading are rare conditions without definitive mechanisms.¹ A 19-year-old left-handed man had a lifetime history of reading disabilities and mirror writing (figure A). The examination results were unremarkable, with fluent, nonstuttering speech. Brain imaging revealed partial agenesis of the corpus callosum (CC) with a lipoma (figures B and C). Many conditions may present with mirror writing or reading^{1,2}; association with a lipoma and CC agenesis supports the concept that CC abnormalities may be causative.² We cannot, however, eliminate causal involvement of the supplementary motor area.

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