Cortical dysplasia: a possible substrate for brain tumors.

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Abstract
The similarities between brain tumor stem cells and neural stem cells suggest a possible stem cell origin of tumorigenesis. Recently, cells with features of stem cells have been observed in lesions of adult and pediatric cortical dysplasia (CD). Given the evidence for a close relationship between CD and certain brain tumors, together with the finding that CD neural stem cells/progenitors are abnormally developed, we propose that CD is a possible substrate for brain tumors. The neural stem cells/progenitors in CD have accumulating abnormalities, and these abnormal stem/progenitor cells may be the initiating, transformed cells of brain tumors, when subsequently exposed to a carcinogen.

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