

Erratum to: Is prenatal myo-inositol deficiency a mechanism of CNS injury in galactosemia?

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Unfortunately, in the original published article, there are some errors. The following paragraphs should read:

Heading **Evidence for myo-inositol deficiency**

Lines “In high concentrations, galactose-1-phosphate may ... to Myo-inositol transporter activity” should read:
In high concentrations, galactose-1 phosphate may inhibit myo-inositol recycling in developing neurons following agonist-induced signal transduction events, as it may lead to trapping of myo-inositol as inositol monophosphate. Independently, intracellular galactitol accumulation via osmoregulatory perturbations may reduce myo-inositol transporter activity in fetal neurons.

Heading **Physiology and biochemistry of myo-inositol**

Lines “Almost all of the PtdIns-4,5-P₂ ... to (Berridge and Irvine 1989).” should read:
Almost all of the PtdIns-4,5-P₂ that is involved in membrane signaling events, especially in the CNS, contains

arachidonate in the *sn1* position and stearate in the *sn2* position. Following agonist-induced receptor activation, PtdIns-4,5-P₂ is hydrolyzed by a phospholipase C to myo-inositol-1,4,5-trisphosphate (Ins-1,4,5-P₃) and diacylglycerol. Subsequently, the water soluble second messenger, Ins-1,4,5-P₃, binds to an Ins-1,4,5-P₃ receptor on an internal membrane to activate a calcium channel resulting in a transient burst in cytosolic calcium activity (Berridge and Irvine 1989).

Heading **Physiology and biochemistry of myo-inositol**

Lines “Also, PtdIns deficiency may lead to impaired ... to ... Loretscher and Lavery 2002).” should read:
Also, PtdIns deficiency may lead to impaired synthesis of ectoproteins that are anchored to the plasma membrane via PtdIns such as alkaline phosphatase, 5'-nucleotidase, acetylcholinesterase, folate receptor and Thy-1 (Sharom and Lehto 2002; Loretscher and Lavery 2002).

In the legend to Fig. 4, last two lines, it should read:
... sodium/myo-inositol cotransporter1. (not ... sodium/myo-inositolcotransporter1.)

The online version of the original article can be found at <http://dx.doi.org/10.1007/s10545-010-9260-x>.

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