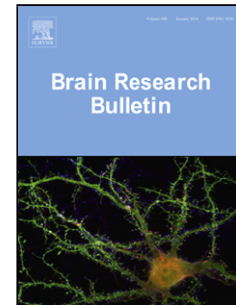


## Accepted Manuscript

Title: PolyI:C model of schizophrenia in rats induces functional brain changes detected by MRI irreversible by aripiprazole treatment

Authors: Eva Drazanova, Jana Ruda-Kucerova, Lucie Kratka, Katerina Horska, Regina Demlova, Zenon Starcuk Jr., Tomas Kasperek



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**PolyI:C model of schizophrenia in rats induces functional brain changes detected by MRI  
irreversible by aripiprazole treatment**

**Short title:** PolyI:C model induces functional brain changes detected by MRI

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**Highlights**

- ASL shows lower perfusion in female rats in all analyzed brain regions
- male poly(I:C) rats have hyperperfusion of the circle of Willis, hippocampus and cortex
- chronic aripiprazole does not affect cerebral perfusion

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