

Accepted Manuscript

Modelling reaction time distribution of fast decision tasks in schizophrenia: evidence for novel candidate endophenotypes

Simon Fish , Maida Toumaian , Eleni Pappa , Timothy J. Davies , Ruth Tanti , Christopher W.N. Saville , Christos Theleritis , Marina Economou , Christoph Klein , Nikolaos Smyrnis

PII: S0165-1781(17)32297-7
DOI: <https://doi.org/10.1016/j.psychres.2018.08.067>
Reference: PSY 11661



To appear in: *Psychiatry Research*

Received date: 13 December 2017
Revised date: 12 August 2018
Accepted date: 16 August 2018

Please cite this article as: Simon Fish , Maida Toumaian , Eleni Pappa , Timothy J. Davies , Ruth Tanti , Christopher W.N. Saville , Christos Theleritis , Marina Economou , Christoph Klein , Nikolaos Smyrnis , Modelling reaction time distribution of fast decision tasks in schizophrenia: evidence for novel candidate endophenotypes, *Psychiatry Research* (2018), doi: <https://doi.org/10.1016/j.psychres.2018.08.067>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- Processing speed measured by Reaction Time (RT) is slower in schizophrenia patients.
- Patients, healthy patient siblings and controls performed two-choice RT tasks.
- Ex-Gaussian RT model and Drift Diffusion Model (DDM) was applied on RT distributions.
- Ex-Gaussian RT parameters dissociated patients and siblings from controls.
- The rising decision signal in DDM dissociated patients and siblings from controls.
- RT distribution modeling reveals novel candidate endophenotypes of schizophrenia.

Download English Version:

<https://daneshyari.com/en/article/8947263>

Download Persian Version:

<https://daneshyari.com/article/8947263>

[Daneshyari.com](https://daneshyari.com)