Contribution of de novo and inherited rare copy number variants to very preterm birth

Authors:

Hilary S Wong*, Megan Wadon‡, Alexandra Evans, George Kirov, Neena Modi, Michael O'Donovan, Anita Thapar‡.

* The authors wish it to be known that in their opinion the first two authors should be regarded as joint First Author.

† Corresponding author

Affiliations:

1 Department of Paediatrics, University of Cambridge, Cambridge, United Kingdom
2 MRC Centre for Neuropsychiatric Genetics and Genomics, Cardiff University, Cardiff, United Kingdom
3 Section of Neonatal Medicine, Chelsea & Westminster Hospital, Imperial College London, London, United Kingdom

Corresponding author:

Professor Anita Thapar
MRC Centre for Neuropsychiatric Genetics and Genomics
Cardiff University
Hadyn Ellis Building
Maindy Road
Cardiff CF24 4HQ
Email: Thapar@cardiff.ac.uk
Phone: 029 206881478

Word count: 2670 words
1853 families with VPT infants approached

779 (42.0%) families with 883 infants consented to participation

No blood samples from 14 infants
- 9 not collected
- 5 misplaced/lost during postage

Blood samples received for 529 parent-offspring trios, quads (in twin births) or quint (in triplet births)

DNA extraction and genotyping attempted in the first 504 parent-offspring trios samples received

16 trios excluded for failing quality control requirements

488 parent-offspring trios included