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Press Release

A study from Genoma laboratory in Rome using CytoChip Focus for analysis of over 1000 prenatal cases is selected as editor's choice in leading journal

A recent study[1] published in Prenatal Diagnosis presents data from over 1000 prenatal cases analysed using arrayCGH and suggests that it could be introduced into routine prenatal diagnosis practice.

Dr Francesco Fiorentino and his laboratory at Genoma in Rome assessed the feasibility of offering array based comparative genomic hybridization (arrayCGH) for prenatal diagnosis as a first line test. A prospective study was performed that compared results achieved with arrayCGH to those from conventional karyotyping.

BlueGnome's CytoChip Focus microarray platform, used in the study, enables the traditionally difficult to analyse prenatal samples - derived from amniotic fluid, chorionic villus sampling and cultured amniocytes, to be clearly assessed using a simple robust protocol.

Dr Fiorentino concludes "arrayCGH represents an improved diagnostic tool for prenatal detection of chromosomal abnormalities. Although larger studies are needed, our results provide further evidence on the feasibility of introducing arrayCGH as a first-line diagnostic test in routine prenatal diagnosis practice."

The value of this paper was recognised by the editor of the journal who selected it as this volume's 'Editors choice' which means it's included on the front cover and is available for free access.

[1]Introducing array comparative genomic hybridization into routine prenatal diagnosis practice: a prospective study on over 1000 consecutive clinical cases.
Francesco Fiorentino et al. Prenat Diagn 2011; 31: 1270–1282.

About BlueGnome
BlueGnome (www.cytochip.com) is a specialist developer of microarray based solutions for the screening of chromosomal abnormalities in cytogenetics and IVF.
BlueGnome microarrays are for research use only.

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About Genoma
GENOMA (www.laboratoriogenoma.eu) is a private molecular genetics laboratory, internationally renowned for its leadership in molecular diagnostics and preimplantation genetic diagnosis (PGD) and for its pioneering work in infertility and genetics.

Cambridge, 8th December 2011