MelbourneIVF
A MEMBER OF VIRTUS HEALTH

Genetic services

and the processes involved

Our genetic services can assist patients considering genetic testing for a specific condition or for chromosomal abnormalities, to minimise their chance of passing on a genetic condition to a child.

mivf.com.au ◆ 1800 111 483

Virtus genetic screen (VGS)

Carriers of commonly inherited conditions such as; Cystic Fibrosis (CF), Fragile X Syndrome (FXS) and Spinal Muscular Atrophy (SMA) are generally healthy adults with no family history of the disorder and consequently unaware of their carrier status. Genetic carrier screening prior to conception will allow you to find out if you and your partner are carriers and at risk of having a child with one of these conditions.

Pre-conception screening

The preconception screen is a blood test that you can have before you become pregnant, to help determine your likelihood of having a baby with a genetic disorder that can negatively impact the baby's health. The preconception screen determines your carrier status for 590 diseases. If you are aware of a family history of specific gene mutations you should discuss this with your fertility specialist in order to determine if this screen will test for that mutation.

The fertility panel

The fertility panel is a blood test designed to investigate genes, in both males and females, which are specifically associated with difficulties in conceiving or maintaining a pregnancy including cystic fibrosis, STAG3, MTHFR, Prothrombin and Factor V Leiden, FSH receptor, AZF and Haemochromatosis.

Pre-implantation genetic testing

Pre-implantation genetic testing can be used to test embryos for either a specific known genetic condition or chromosomal abnormality. This enables only embryos with a normal chromosome profile or those not affected by a specific disorder to be selected for transfer. In pre-implantation genetic testing, the woman goes through a standard IVF cycle. While the embryos are developing in the IVF laboratory, a few cells are removed from each embryo and tested.

You may wish to consider pre-implantation genetic testing if

- Either or both partners are carriers of single gene mutations that you want to avoid passing on to future children
- Either partner has a chromosome rearrangement (called a translocation) that can result in genetically abnormal eggs or sperm
- A previous pregnancy has been affected by a chromosomal abnormality
- Advanced maternal age (usually to test for Down syndrome where the mother is over 38 years old)
- You can experienced recurrent miscarriage
- You have experienced repeated IVF failure (where 5 or more embryos have been transferred without pregnancy)

Genetic counselling

Our genetic counsellors can provide you with supportive advice, information about the risks involved of any child inheriting a condition that may be identified as well as the diagnostic options available.

FIND OUT MORE

To make an appointment please call 1800 111 483 or to find out more information please visit *mivf.com.au/geneticservices*

OUR DIAGNOSTIC SERVICES

Your fertility specialist and local clinic are members of Virtus Health, one of the world's leading providers of fertility care. During your care Virtus Diagnostics, also a member of Virtus Health, provides fertility pathology services associated with general gynaecology, fertility investigations and treatment, pre-natal diagnostics and specialist genetic testing.

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