Patients' chances of having a baby improved with the PGTai℠ 2.0 Platform!

Emerging Evidence: A single-center study shows the innovative PGTai 2.0 platform helped patients fulfill their ultimate dream of having a baby by increasing ongoing pregnancy and live birth rates.

A retrospective study, conducted by NYU Fertility Center, observed a statistically significant increase in ongoing pregnancy and live birth rates (OP/LBR) that may be linked to improvements in several IVF outcomes. With this observed relative 13% increase in OP/LBR, one additional embryo transfer out of every 12 achieved this most important milestone when utilizing PGTai 2.0 over prior NGS technologies.

Improve IVF outcomes!

New PGTai 2.0 clinical data demonstrates striking improvements in the key patient outcomes of ongoing pregnancy and live birth (OP/LBR). The retrospective study compares clinical outcomes achieved with the PGTai 2.0 platform to those observed with prior NGS platforms. The following data were observed.[1]

- Ongoing pregnancy and live birth rates increased by >13% (relative, statistically significant)
- Implantation rates improved showing an upward trend, although statistical significance was not reached
- Clinical pregnancy rates increased by 11.1% (relative, not reaching statistical significance)

Positive obstetric outcomes observed in this study

	NGS Subjective/Prior Methods	PGTai 2.0 Platform
Implantation Rate	80.7% (322/399)	82.96% (151/182)
Clinical Pregnancy Rates	71.17% (284/399)	79.12% (144/182)
OP/LBR (p < 0.05)	61.65% (246/399)	70.32% (128/182)

Help reduce the rate of unfavorable outcomes

For many trying to conceive via IVF, miscarriage remains a painful outcome with potential physical consequences for patients, as well as potential negative impacts to mental well-being and continued commitment to IVF care.

Advancing innovations that reduce adverse outcomes faced by families undergoing IVF treatment is therefore important. Observed trends in this single-center study showed reduction of adverse obstetric outcomes with utilization of the PGTai 2.0 platform, although the study was limited in size and not all outcomes reached statistical significance.[1]

- Biochemical pregnancy loss rates were reduced by over 50% (reaching statistical significance)
- Spontaneous abortions rates also showed a downward trend, although statistical significance was not reached

Adverse obstetric outcomes observed in this study

	NGS Subjective/Prior Methods	PGTai 2.0 Platform
Biochemical Pregnancy Loss Rates (p < 0.05)	11.80% (38/322)	4.64% (7/151)
Spontaneous Abortion Rates	13.38% (38/284)	11.11% (16/144)

Improvements in clinical outcomes by the PGTai 2.0 platform, backed by emerging evidence, may increase your patients' success rates by providing more euploid embryos and ruling out more mosaics, getting you and your clinic one step closer to helping patients fulfill their ultimate dream of having a baby.

[1.] Buldo-Licciardi et al. Second generation artificial intelligence technology for preimplantation genetic testing (PGT) improves pregnancy outcomes in single thawed euploid embryo transfer cycles (STEET). ASRM 2020

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