

CONCEPTIONS REPRODUCTIVE ASSOCIATES  
271 West County Line Road, Littleton, CO 80129

2005 IVF Statistics

- Summary of all cycles -

I. Summary of all cycles

Number of patients initiating ovarian stimulation	329
Number of patients to egg retrieval	294
Cancellation rate prior to egg retrieval <sup>1</sup>	10.6% (35/329)
Cancellation rate after egg retrieval	3.5% (10/294)
Number of cycles with embryo transfer	284
Number of patients cancelled prior to embryo transfer due to development of OHSS <sup>2</sup>	5
Rate of cancellation due to OHSS	1.8% (5/284)
Chemical pregnancy rate (all procedures)	56.7% (161/284)
<b>Overall clinical pregnancy rate<sup>3</sup></b> (all procedures)	<b>46.8% (133/284)</b>
Ectopic <sup>4</sup> pregnancy rate	1.5% (2/133)

<sup>1</sup> Due most frequently to poor ovarian response to stimulation.

<sup>2</sup> OHSS, ovarian hyperstimulation syndrome. All viable blastocyst embryos are frozen for transfer at a later date

<sup>3</sup> Clinical pregnancy rate is defined in our laboratory as the occurrence of at least one ultrasonographically confirmed gestational sac within the uterus at 7 weeks of pregnancy. This definition excludes ectopic and biochemical pregnancies but includes heterotopic pregnancy (both an intrauterine and extrauterine pregnancy simultaneously). The clinical pregnancy rate is also defined in our laboratory as that associated with only those cycles having embryo transfer.

<sup>4</sup> An ectopic pregnancy is one in which implantation of the embryo occurs outside the uterine cavity.

II. Summary of donor egg cycles (anonymous and known donors)

Number of donor egg cycles with embryo transfer	52
Percent of donor egg cycles to all IVF procedures	18.3% (52/284)
<b>Donor egg clinical pregnancy rate</b>	<b>62.7% (32/51)</b>

III. Summary of non-donor egg cycles

Number of no-donor egg cycles with embryo transfer	232
Percent of non-donor egg cycles to all IVF procedures	81.7% (232/284)
<b>Non-donor egg cycle clinical pregnancy rate</b>	<b>43.5% (101/232)</b>

#### IV. Summary of gestational carrier cycles

Number of gestational carrier cycles	3
<b>Gestational carrier clinical pregnancy rate</b>	<b>66.7% (2/3)</b>

#### V. Summary of preimplantation genetic diagnosis (PGD) cycles

Number of PDG cycles	5
Percent of PDG cycles to all IVF cycles	1.8% (5/284)
<b>PGD clinical pregnancy rate</b>	<b>40.0% (2/5)</b>

#### VI. Summary of frozen-thawed blastocyst transfer cycles

Number of frozen-thawed BL cycles with embryos transferred	47
<b>Clinical pregnancy rate after frozen-thawed blastocyst transfer</b>	<b>48.9% (23/47)</b>

#### VII. Clinical pregnancy rate of non-donor egg cycles according to day of transfer

Number of patients with Day 3 embryo transfer	115
<b>D3 Pregnancy rate</b>	<b>32.2% (37/115)</b>
Number of patients with Day 5 embryo transfer	118
<b>D5 Pregnancy rate</b>	<b>54.2% (64/118)</b>

#### VIII. Pregnancy rate according to method of insemination (includes donor egg cycles)

##### A. Conventional insemination<sup>1</sup>

Percent of conventional insemination cycles to all IVF procedures	78.5% (223/284)
Number of patients with embryo transfer	223
<b>Conventional insemination clinical pregnancy rate</b>	<b>45.3% (101/223)</b>

<sup>1</sup>*Conventional insemination in our laboratory is defined as the addition of 60,000 to 100,000 sperm to the Petri dish containing the eggs.*

##### B. ICSI insemination (includes donor egg cycles)

Percent of ICSI cycles to all IVF procedures	21.5% (61/284)
Number of patients with embryo transfer	61
<b>ICSI clinical pregnancy rate</b>	<b>52.5% (32/61)</b>

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**DONOR EGG CYCLES**

**I. Summary of donor egg cycles (anonymous and known donors)**

Number of patients with embryo transfer	52
Percent of donor egg cycles to all IVF procedures	18.3% (52/284)
<b>Donor egg clinical pregnancy rate</b>	<b>62.7% (32/51)</b>

**II. Pregnancy rate of donor egg cycles according to day of transfer**

A. Day 3 embryo transfer

Number of donor egg cycles with D3 embryo transfer	9
<b>D3 Pregnancy rate</b>	<b>33.3% (3/9)</b>

B. Day 5 embryo transfer

Number of patients with D5 embryo transfer	42
<b>D5 Pregnancy rate</b>	<b>69.0% (29/42)</b>

**III. Distribution of donor egg clinical pregnancies**

Singleton	46.9%	(15/32)
Twin	56.3%	(18/32)
Triplets	0.0%	(0/32)
Quadruplets	0.0%	(0/32)
Ectopic	0.0%	(0/32)

**IV. Donor egg ectopic pregnancy rate**

Number of donor egg patients with ectopic pregnancy	0
<b>Donor egg ectopic pregnancy rate</b>	<b>0.0% (0/32)</b>

**V. Donor egg gestational carrier pregnancy rate**

Number of donor egg patients with gestational carrier	1
<b>Donor egg gestational carrier pregnancy rate</b>	<b>0.0% (0/1)</b>

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**FROZEN-THAWED BLASTOCYST TRANSFER**

**– In-Depth Analysis -**

**I. Thaw and Transfer**

No. cycles with blastocysts thawed	48
No. cycles with blastocysts transferred	47
Percent of cycles resulting in embryo transfer	97.9% (47/48)

**II. Pregnancy outcome**

No. cycles with chemical pregnancy	26
Chemical pregnancy rate of frozen-thawed BL transfer	55.3% (26/47)
No. cycles with clinical pregnancy	23
<b>Clinical pregnancy rate of frozen-thawed BL transfer</b>	<b>48.9% (23/47)</b>

**III. Implantation outcome**

Singleton pregnancy rate	78.3% (18/23)
Twin Pregnancy rate	21.7% (5/23)
Triplet pregnancy rate	0.0% (0/23)

**IV. Clinical pregnancy rate after frozen-thawed BL transfer with donor and nondonor eggs**

Donor eggs frozen-thawed blastocyst pregnancy rate	57.9% (11/19)
Non-donor egg frozen-thawed blastocyst pregnancy rate	42.9% (12/28)

**V. Embryology**

Average number of frozen-thawed blastocysts transferred	2.1
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\*From the Society for Assisted Reproductive Technology (SART): “Patient characteristics vary among programs; therefore, these data should not be used for comparing clinics.”

\*This data is preliminary. Final data including live birth rates will be reported to SART when available for inclusion in its national report on IVF Statistics.