

# UNIVERSITY CENTER FOR ADVANCED REPRODUCTIVE MEDICINE RICHMOND, VIRGINIA

Comparing success rates across clinics may not be meaningful. Patient medical characteristics and treatment approaches vary (see pages 11–21).

## 2016 ART CYCLE PROFILE

Data verified by Richard S. Lucidi, MD

| Type of ART and Procedural Factors <sup>a</sup> |      |           |     | Patient Diagnosis <sup>a,b</sup> |     |                |     |  |
|---|------|-----------|-----|----------------------------------|-----|----------------|-----|--|
| IVF   | 100% | With ICSI | 80% | Tubal factor                     | 12% | Uterine factor | 0%  | Multiple Factors:<br>Female factors only 9%<br>Female & male factors 11% |
| Unstimulated                                    | 0%   | PGD/PGS   | 6%  | Ovulatory dysfunction            | 13% | Male factor    | 24% |  |
| Used gestational carrier                        | <1%  |           |     | Diminished ovarian reserve       | 12% | Other factor   | 38% |  |
|   |      |           |     | Endometriosis                    | 3%  | Unknown factor | 21% |  |

## 2016 ART SUCCESS RATES<sup>c,d</sup>

Total number of cycles<sup>d</sup>: 144  
(includes 1 cycle[s] using fresh embryos from frozen nondonor eggs)

| Type of Cycle   | Age of Patient    |                    |                       |                        |       |
|---|-------------------|--------------------|-----------------------|------------------------|-------|
|   | <35               | 35–37              | 38–40                 | 41–42                  | >42   |
| <b>Fresh Embryos from Fresh Nondonor Eggs</b>   |                   |                    |                       |                        |       |
| Number of cycles  | 29                | 10                 | 6                     | 3                      | 2     |
| Percentage of cancellations before retrieval (%)  | 6.9               | 1 / 10             | 1 / 6                 | 0 / 3                  | 1 / 2 |
| Number of transfers   | 21                | 7                  | 5                     | 3                      | 1     |
| Average number of embryos transferred   | 1.2               | 1.7                | 1.8                   | 2.0                    | 2.0   |
| Percentage of elective single embryo transfers (eSET) (%)   | 14 / 18           | 3 / 7              | 2 / 5                 | 0 / 3                  | 0 / 1 |
| <b>Outcomes per Cycle</b>   |                   |                    |                       |                        |       |
| Percentage of cycles resulting in pregnancies (%)   | 34.5              | 2 / 10             | 3 / 6                 | 0 / 3                  | 0 / 2 |
| Percentage of cycles resulting in live births (%)   | 27.6              | 2 / 10             | 3 / 6                 | 0 / 3                  | 0 / 2 |
| Percentage of cycles resulting in singleton live births (%)   | 27.6              | 1 / 10             | 1 / 6                 | 0 / 3                  | 0 / 2 |
| Percentage of cycles resulting in twin live births (%)  | 0.0               | 1 / 10             | 2 / 6                 | 0 / 3                  | 0 / 2 |
| Percentage of cycles resulting in term, normal weight and singleton live births <sup>e</sup> (%)    | 24.1              | 1 / 10             | 0 / 6                 | 0 / 3                  | 0 / 2 |
| <b>Outcomes per Transfer</b>  |                   |                    |                       |                        |       |
| Percentage of embryos transferred resulting in implantation (%)                                     | 38.5              | 3 / 12             | 5 / 9                 | 0 / 6                  | 0 / 2 |
| Percentage of transfers resulting in pregnancies (%)  | 47.6              | 2 / 7              | 3 / 5                 | 0 / 3                  | 0 / 1 |
| Percentage of transfers resulting in live births (%)  | 38.1              | 2 / 7              | 3 / 5                 | 0 / 3                  | 0 / 1 |
| Percentage of transfers resulting in singleton live births (%)                                      | 38.1              | 1 / 7              | 1 / 5                 | 0 / 3                  | 0 / 1 |
| Percentage of transfers resulting in twin live births (%)   | 0.0               | 1 / 7              | 2 / 5                 | 0 / 3                  | 0 / 1 |
| Percentage of transfers resulting in term, normal weight and singleton live births <sup>e</sup> (%) | 33.3              | 1 / 7              | 0 / 5                 | 0 / 3                  | 0 / 1 |
| <b>Frozen Embryos from Nondonor Eggs</b>  |                   |                    |                       |                        |       |
| Number of cycles  | 23                | 19                 | 4                     | 2                      | 0     |
| Number of transfers   | 18                | 18                 | 4                     | 2                      | 0     |
| Estimated average number of transfers per retrieval   | 0.6               | 1.2                | 0.8                   | 2.0                    |       |
| Average number of embryos transferred   | 1.3               | 1.2                | 1.5                   | 2.0                    |       |
| Percentage of embryos transferred resulting in implantation (%)                                     | 50.0              | 42.9               | 4 / 6                 | 1 / 4                  |       |
| Percentage of transfers resulting in pregnancies (%)  | 9 / 18            | 9 / 18             | 3 / 4                 | 1 / 2                  |       |
| Percentage of transfers resulting in live births (%)  | 7 / 18            | 9 / 18             | 2 / 4                 | 1 / 2                  |       |
| Percentage of transfers resulting in singleton live births (%)                                      | 6 / 18            | 9 / 18             | 1 / 4                 | 1 / 2                  |       |
| Percentage of transfers resulting in twin live births (%)   | 1 / 18            | 0 / 18             | 1 / 4                 | 0 / 2                  |       |
| Percentage of transfers resulting in term, normal weight and singleton live births <sup>e</sup> (%) | 5 / 18            | 9 / 18             | 1 / 4                 | 1 / 2                  |       |
| <b>Number of Egg or Embryo Banking Cycles</b>   |                   |                    |                       |                        |       |
| Number of fertility preservation cycles   | 18                | 8                  | 5                     | 1                      | 0     |
|   | 16                | 3                  | 4                     | 1                      | 0     |
| <b>Donor Eggs<sup>f</sup></b>   |                   |                    |                       |                        |       |
|   | <b>Fresh Eggs</b> | <b>Frozen Eggs</b> | <b>Frozen Embryos</b> | <b>Donated Embryos</b> |       |
| Number of cycles  | 8                 | 2                  | 3                     | 0                      |       |
| Number of transfers   | 3                 | 2                  | 2                     | 0                      |       |
| Average number of embryos transferred   | 1.3               | 1.5                | 1.0                   |                        |       |
| Percentage of embryos transferred resulting in implantation (%)                                     | 3 / 4             | 1 / 3              | 0 / 2                 |                        |       |
| Percentage of transfers resulting in pregnancies (%)  | 3 / 3             | 1 / 2              | 0 / 2                 |                        |       |
| Percentage of transfers resulting in live births (%)  | 2 / 3             | 1 / 2              | 0 / 2                 |                        |       |
| Percentage of transfers resulting in singleton live births (%)                                      | 2 / 3             | 1 / 2              | 0 / 2                 |                        |       |
| Percentage of transfers resulting in twin live births (%)   | 0 / 3             | 0 / 2              | 0 / 2                 |                        |       |
| Percentage of transfers resulting in term, normal weight and singleton live births <sup>e</sup> (%) | 2 / 3             | 1 / 2              | 0 / 2                 |                        |       |

## CURRENT SERVICES & PROFILE

Current Name: VCU Reproductive Medicine

|                |     |                          |     |                       |     |                             |     |
|----------------|-----|--------------------------|-----|-----------------------|-----|-----------------------------|-----|
| Donor eggs?    | Yes | Embryo cryopreservation? | Yes | Single women?         | Yes | SART member?                | Yes |
| Donor embryos? | Yes | Egg cryopreservation?    | Yes | Gestational carriers? | Yes | Verified lab accreditation? | Yes |

<sup>a</sup> Excludes cycles evaluating new procedures and banking cycles; unstimulated percentage includes fresh egg cycles only.

<sup>b</sup> Total patient diagnosis percentages may be greater than 100% because more than one diagnosis can be reported for each ART cycle.

<sup>c</sup> Fractions are used for rates with denominators less than 20. Multiple-infant births (for example, twins) with at least one live infant are counted as one live birth.

<sup>d</sup> Total cycle number and success rates exclude 0 cycle(s) evaluating new procedures. Success rates exclude cycles using fresh embryos from frozen nondonor eggs.

<sup>e</sup> In this report, births are defined as term if at least 37 full weeks gestation and normal birth weight if at least 2,500 grams (approximately 5 pounds, 8 ounces).

<sup>f</sup> All ages are reported together because previous data show that patient age does not materially affect success with donor eggs.