

# **European IVF Monitoring (EIM)**

**Year: 2006**

Name of country      **BULGARIA**

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## Module 0 Number and size of clinics

### a/ IVF clinics (units) in the country

|   |           |
|---|-----------|
| <b>Total number of clinics in the country</b>                     | <b>15</b> |
| <b>Total number of clinics reporting to the National Register</b> | <b>8</b>  |

### b/ Size of the reporting clinics.

(Based on the total annual number of initiated cycles for the purpose IVF, ICSI, FER and ED)

|                         | Number of clinics |
|-------------------------|-------------------|
| <b>&lt; 100 cycles</b>  | <b>3</b>          |
| <b>100 - 199 cycles</b> | <b>3</b>          |
| <b>200 - 499 cycles</b> | <b>2</b>          |
| <b>500 - 999 cycles</b> |                   |
| <b>≥ 1.000 cycles</b>   |                   |

|  |               |
|--|---------------|
| <b>Reporting requirement</b> 1. Compulsory ; 2. Voluntary  | <b>2</b>      |
| <b>Responsibility for the register.</b> 1. National Health Authority ; 2. Medical Organization;<br>3. Other (describe) | <b>3</b>      |
| <b>Reporting methods :</b>   |               |
| Cycles. 1. Individual cycles; 2. Summaries of cycles reported by the clinics   | <b>2</b>      |
| Deliveries. 1. Individual cycles; 2. Summaries of deliveries reported by the clinics                                   | <b>2</b>      |
| National number of deliveries in the same year in the country  | <b>74 495</b> |
| National number of infants born in the same year in the country  | <b>73 978</b> |
| Comments:<br>All clinics are invited to submit their data for 2006 filling the ESHRE-EIM forms.                        |               |

## Module 1 a

### Number of treatments, pregnancies and deliveries

|                         | Fresh cycles* |            | FER*      | ED        | PGD**    |
|-------------------------|---------------|------------|-----------|-----------|----------|
|                         | IVF           | ICSI       |           |           |          |
| <b>Initiated cycles</b> | <b>642</b>    | <b>634</b> | <b>93</b> | <b>-</b>  | <b>0</b> |
| <b>Aspirations</b>      | <b>601</b>    | <b>601</b> | <b>0</b>  | <b>-</b>  | <b>0</b> |
| <b>Transfers</b>        | <b>548</b>    | <b>541</b> | <b>0</b>  | <b>18</b> | <b>0</b> |
| <b>Pregnancies***</b>   | <b>174</b>    | <b>186</b> | <b>21</b> | <b>6</b>  | <b>0</b> |
| <b>Deliveries***</b>    | <b>128</b>    | <b>152</b> | <b>7</b>  | <b>6</b>  | <b>0</b> |

\* Excluding PGD and ED (Egg donation)

\*\* Including both PGD and PGS irrespective of whether or not IVF or ICSI has been performed.

\*\*\* Please use the WHO/ICMART definition of clinical pregnancy: evidence of pregnancy by clinical or ultrasound parameters (ultrasound visualisation of a gestational sac). It includes ectopic pregnancy. Multiple gestational sacs in one patient are counted as one clinical pregnancy. Deliveries include those resulting in a live birth and/or stillbirth.

### **In vitro maturation (IVM) and frozen oocyte replacements (FOR)**

|     |             |           |             |            |
|-----|-------------|-----------|-------------|------------|
| IVM | Aspirations | Transfers | Pregnancies | Deliveries |
|     | <b>0</b>    | <b>0</b>  | <b>0</b>    | <b>0</b>   |
| FOR | Thawings    | Transfers | Pregnancies | Deliveries |
|     | <b>0</b>    | <b>0</b>  | <b>0</b>    | <b>0</b>   |

## Module 1b

### Results by women's age and ART technique

Number of initiated cycles in specific age groups in relation to treatment.

| Woman's age | IVF    |             |            | ICSI   |             |            |
|-------------|--------|-------------|------------|--------|-------------|------------|
|             | Cycles | Pregnancies | Deliveries | Cycles | Pregnancies | Deliveries |
| ≤ 34        | 413    | 120         | 94         | 384    | 130         | 101        |
| 35-39       | 172    | 50          | 33         | 197    | 47          | 42         |
| ≥ 40        | 57     | 4           | 1          | 53     | 9           | 9          |

| Woman's age | FER (Frozen embryo transfers) |             |            | ED (Egg donations) |             |            |
|-------------|-------------------------------|-------------|------------|--------------------|-------------|------------|
|             | Cycles                        | Pregnancies | Deliveries | Transfers          | Pregnancies | Deliveries |
| ≤ 34        | 53                            | 11          | 5          | 5                  | 2           | 2          |
| 35-39       | 30                            | 8           | 2          | 8                  | 3           | 3          |
| ≥ 40        | 10                            | 2           | 0          | 5                  | 1           | 1          |

## **Module 1c**

### **Complications to treatments and foetal reduction**

#### **Complications with admission to hospital**

|   | <b>Number of occurrences</b> |
|---|------------------------------|
| <b>Hyperstimulation syndrome</b>                  | <b>19</b>                    |
| <b>Complications to oocyte retrieval:<br/>All</b> | <b>5</b>                     |
| <b>Bleeding</b>                                   | <b>4</b>                     |
| <b>Infection</b>                                  | <b>1</b>                     |
| <b>Maternal death (documented)</b>                | <b>0</b>                     |
| <b>Foetal reductions</b>                          | <b>6</b>                     |

## Module 2

### Results by number of transferred embryos

#### a / All IVF and ICSI fresh cycles

|                      | Number of transferred embryos |     |     |     |     | Total |
|----------------------|-------------------------------|-----|-----|-----|-----|-------|
|                      | 1                             | 2   | 3   | 4   | ≥ 5 |       |
| Transfer cycles      | 98                            | 329 | 476 | 148 | 38  | 1089  |
| Clinical pregnancies | 12                            | 104 | 191 | 36  | 17  | 360   |
| Pregnancy losses*    | 5                             | 20  | 35  | 7   | 3   | 70    |
| Deliveries: Total    | 7                             | 79  | 152 | 32  | 10  | 280   |
| Singleton            | 7                             | 66  | 112 | 18  | 5   | 208   |
| Twin                 | 0                             | 13  | 36  | 10  | 4   | 63    |
| Triplet +            |                               |     | 4   | 4   | 1   | 9     |
| Lost to Follow-up    | 1                             | 2   | 4   | 3   |     | 10    |

#### b / All FER cycles (coming from IVF and ICSI)

|                      | Number of transferred embryos |    |    |    |     | Total |
|----------------------|-------------------------------|----|----|----|-----|-------|
|                      | 1                             | 2  | 3  | 4  | ≥ 5 |       |
| Transfer cycles      | 10                            | 18 | 41 | 22 | 2   | 93    |
| Clinical pregnancies | 1                             | 5  | 7  | 7  | 1   | 21    |
| Pregnancy losses*    | 0                             | 3  | 4  | 3  | 0   | 10    |
| Deliveries: Total    | 1                             | 1  | 2  | 3  | 0   | 7     |
| Singleton            | 1                             | 1  | 2  | 3  | 0   | 7     |
| Twin                 |                               |    |    |    |     |       |
| Triplet +            |                               |    |    |    |     |       |
| Lost to Follow-up    |                               | 2  | 2  |    |     | 4     |

#### c / Egg donation (ED) and PGD

|                      | Number of transferred embryos ED |   |   |   |     |          | PGD   |
|----------------------|----------------------------------|---|---|---|-----|----------|-------|
|                      | 1                                | 2 | 3 | 4 | ≥ 5 | Total ED | Total |
| Transfer cycles      | 1                                | 6 | 6 | 5 | 0   | 18       |       |
| Clinical pregnancies | 0                                | 2 | 2 | 2 | 0   | 6        |       |
| Pregnancy losses*    | 0                                | 0 | 0 | 0 | 0   | 0        |       |
| Deliveries: Total    | 0                                | 2 | 2 | 2 | 0   | 6        |       |
| Singleton            | 0                                | 2 | 2 | 2 | 0   | 6        |       |
| Twin                 |                                  |   |   |   |     |          |       |
| Triplet +            |                                  |   |   |   |     |          |       |
| Lost to Follow-up    |                                  |   |   |   |     |          |       |

\* Abortions and ectopic pregnancies

## Module 3

### Intrauterine insemination (IUI)

#### IUI-Homologue (Husband semen)

|                        | Woman < 40 years | Woman ≥ 40 years | Total |
|------------------------|------------------|------------------|-------|
| Number of IUI-H cycles | 732              | 313              | 1045  |
| Pregnancies*           | 101              | 31               | 132   |
| Deliveries: Total      | 77               | 26               | 103   |
| Singleton              | 75               | 24               | 99    |
| Twin                   | 2                | 2                | 4     |
| Triplet +              |                  |                  |       |

#### IUI-Donor (Donor sperm)

|                        | Woman < 40 years | Woman ≥ 40 years | Total |
|------------------------|------------------|------------------|-------|
| Number of IUI-D cycles | 284              | 89               | 373   |
| Pregnancies*           | 50               | 22               | 72    |
| Deliveries: Total      | 41               | 19               | 60    |
| Singleton              | 37               | 17               | 54    |
| Twin                   | 4                | 2                | 6     |
| Triplet +              |                  |                  |       |

\*Please use the WHO/ICMART definitions in relation to pregnancies (see module 1A)

Comments:

## Module 4 (Optional)

### Gestational Age by Treatment and Multiple deliveries

**a) Fresh cycles (standard IVF, ICSI)**

|                   |     | Gestational age (weeks since OPU + 2) |       |       |       |      |    |
|-------------------|-----|---------------------------------------|-------|-------|-------|------|----|
| Deliveries        | All | 20-27                                 | 28-32 | 33-36 | 37-41 | 42 + | NA |
| Singleton         |     |                                       |       |       |       |      |    |
| Twin              |     |                                       |       |       |       |      |    |
| Triplet or higher |     |                                       |       |       |       |      |    |
| <b>Total</b>      |     |                                       |       |       |       |      |    |

**b) Frozen embryo transfers after standard IVF or ICSI**

|                   |     | Gestational age (weeks since OPU + 2) |       |       |       |      |    |
|-------------------|-----|---------------------------------------|-------|-------|-------|------|----|
| Deliveries        | All | 20-27                                 | 28-32 | 33-36 | 37-41 | 42 + | NA |
| Singleton         |     |                                       |       |       |       |      |    |
| Twin              |     |                                       |       |       |       |      |    |
| Triplet or higher |     |                                       |       |       |       |      |    |
| <b>Total</b>      |     |                                       |       |       |       |      |    |

Deliveries, not babies

**c) Oocyte donation (ED)**

|                   |     | Gestational age (weeks since OPU + 2) |       |       |       |      |    |
|-------------------|-----|---------------------------------------|-------|-------|-------|------|----|
| Deliveries        | All | 20-27                                 | 28-32 | 33-36 | 37-41 | 42 + | NA |
| Singleton         |     |                                       |       |       |       |      |    |
| Twin              |     |                                       |       |       |       |      |    |
| Triplet or higher |     |                                       |       |       |       |      |    |
| <b>Total</b>      |     |                                       |       |       |       |      |    |

Deliveries, not babies

NA Not available

**DATA ARE NOT AVAILABLE!**