



**Supplemental Fig.1:**

Flow chart showing the patient selection workflow

**Supplemental Tab. 1**

**Number of abnormalities in the diagnostic factors found in study women with 2 and  $\geq 3$  pregnancy losses (PLs)**

| <b>Number of abnormalities in the diagnostic factors</b> | <b>Women with 2 PLs [n = 421] (%)</b> | <b>Women with <math>\geq 3</math> PLs [n = 422] (%)</b> | <b>OR (95% C.I.) for <math>\geq 3</math> vs 2 losses</b> | <b>P</b>      |
|--|---------------------------------------|---|--|---------------|
| No abnormalities   | 23 (5,46%)                            | 0   | O.R. = 49.83 (3.01-832.16)                               | <b>0.0063</b> |
| 1  | 89 (21,14%)                           | 72 (17,06%)   | O.R. = 1.30 (0.92-1.84)                                  | 0.132, NS     |
| 2  | 119 (28,26%)                          | 106 (25,11%)  | O.R. = 1.17 (0.86-1.59)                                  | 0.30, NS      |
| 3  | 106 (25,17%)                          | 132 (31,27%)  | O.R. = 0.73 (0.54-0.99)                                  | <b>0.049</b>  |
| 4  | 67 (15,91%)                           | 84 (19,90%)   | O.R. = 0.76 (0.53-1.08)                                  | 0.13, NS      |
| 5  | 17 (4,03%)                            | 24 (5,68%)  | O.R. = 0.69 (0.36-1.31)                                  | 0.26, NS      |
| 6  | 0                                     | 4 (0,94%)   | O.R. = 0.11 (0.005-2.055)                                | 0.13, NS      |

NS: not significant

Chi-square: 35.49, P = 0.0000034

**Supplemental Tab. 2**

**Number of abnormalities in the diagnostic factors found in study women according to the type of RPL – Primary or secondary**

| <b>Number of abnormalities in the diagnostic factors</b> | <b>Women with Primary RPL [n = 532] (%)</b> | <b>Women with Secondary RPL [n = 311] (%)</b> | <b>O.R. (95% C.I.) for Primary vs Secondary RPL</b> | <b>P</b>        |
|--|---|---|---|-----------------|
| No abnormalities   | 12 (2.25%)                                  | 11 (3.53%)                                    | O.R. = 0.62 (0.27-1.44)                             | P = 0.27, NS    |
| 1  | 90 (16.91%)                                 | 71 (22.82%)                                   | O.R. = 0.68 (0.48-0.97)                             | <b>P = 0.03</b> |
| 2  | 148 (27.81%)                                | 77 (24.75%)                                   | O.R. = 1.17 (0.85-1.61)                             | P = 0.33, NS    |
| 3  | 151 (28.38%)                                | 87 (27.97%)                                   | O.R. = 0.89 (0.74-1.39)                             | P = 0.89, NS    |
| 4  | 97 (18.23%)                                 | 54 (17.36%)                                   | O.R. = 1.06 (0.73-1.53)                             | P = 0.75, NS    |
| 5  | 31 (5.82%)                                  | 10 (3.21%)                                    | O.R. = 1.86 (0.90-3.85)                             | P = 0.09, NS    |
| 6  | 3 (0.56%)                                   | 1 (0.32%)                                     | O.R. = 1.75 (0.18-16.97)                            | P = 0.62, NS    |

NS = not significant

Chi-square: 8.55, P = 0.07, NS