

**Supplementary Table 1:** Comparisons of the ARR between the different time periods (two months and six months) in the whole cohort (n=32, 70 IVF procedures), the patients treated either by GnRH agonists (48 IVF procedures) or antagonists for ovarian desensitization (19 IVF procedures), and in IVF followed either by a pregnancy (success of IVF: 21 procedures) or not (failure of IVF: 49 procedures). Wilcoxon paired tests were used for comparisons.

		ARR Period before IVF (1)		ARR period following IVF (2)		ARR Control period (3)		P-value (1/2)	P-value (2/3)
		Mean	Median	Mean	Median	Mean	Median		
<b>Whole cohort</b> (number of IVF procedures)	2 month period	0.77 (70)	0	1.71 (70)	0	0.74 (65)	0	<b>0.023</b>	0.062
	6 month period	0.83 (70)	0	1.15 (68)	0	0.92 (65)	0	0.126	0.556
<b>Cohort treated with GnRH agonists</b> (number of IVF procedures)	2 month period	0.75 (48)	0	2.12 (48)	0	0.80 (45)	0	<b>0.012</b>	<b>0.026</b>
	6 month period	0.83 (48)	0	0.98 (47)	0	0.98 (45)	0	0.591	0.864
<b>Cohort treated with GnRH antagonists</b> (number of IVF procedures)	2 month period	0.95 (19)	0	0.32 (19)	0	0.63 (19)	0	0.35	0.750
	6 month period	0.63 (19)	0	1.16 (19)	0	0.74 (19)	0	0.28	0.31
<b>Success of IVF</b> (number of IVF procedures)	2 month period	0.57 (21)	0	0.86 (21)	0	0.29 (21)	0	0.77	0.43
	6 month period	0.48 (21)	0	0.57 (21)	0	0.76 (21)	0	0.78	0.56
<b>Failure of IVF</b> (number of IVF procedures)	2 month period	0.86 (49)	0	2.08 (49)	0	0.95 (44)	0	<b>0.026</b>	0.112
	6 month period	0.98 (49)	0	1.36 (47)	0	1.04 (44)	0	0.171	0.507

**Supplementary Table 2A:** Differences between the number of relapses during the two month-period before and after IVF. The difference between the number of relapses before and after IVF during a two month period was significant (p=0.001) regardless of the age at IVF, the disease duration at IVF and the type of recruitment. (\*) The coefficients represent the mean differences in the logarithm of the number of relapse according to each covariate.

	Regression coefficient (*)	Standard Error	p-value
<b>Intercept</b>	-4.87	2.01	0.018
<b>Two month-period before vs after IVF</b>	0.80	0.22	<b>0.001</b>
<b>Age at IVF (yrs)</b>	0.08	0.06	0.214
<b>Disease duration (yrs)</b>	-0.05	0.05	0.332
<b>Type of recruitment</b>	-0.05	0.47	0.923

**Supplementary Table 2B:** Differences between the number of relapses during the two month-period after IVF and a control period one year before IVF. The difference between the number of relapses after IVF and during the control period was significant ( $p=0.004$ ) regardless of the age at IVF, the disease duration at IVF and the type of recruitment. (\*) The coefficients represent the mean differences in the logarithm of the number of relapse according to each covariate.

	<b>Regression coefficient (*)</b>	<b>Standard Error</b>	<b>p-value</b>
<b>Intercept</b>	-1.86	1.90	0.330
<b>Two month-period after IVF vs control period</b>	0.77	0.26	<b>0.004</b>
<b>Age at IVF (yrs)</b>	0.01	0.06	0.916
<b>Disease duration (yrs)</b>	-0.08	0.05	0.073
<b>Type of recruitment</b>	-0.34	0.42	0.421

**Supplementary Table 3A:** Differences between the number of relapses during the six month-period before and after IVF. The difference between the number of relapses before and after IVF was no longer significant ( $p=0.101$ ). (\*) The coefficients represent the mean differences in the logarithm of the number of relapse according to each covariate.

	<b>Regression coefficient (*)</b>	<b>Standard Error</b>	<b>p-value</b>
<b>Intercept</b>	-2.72	1.49	0.073
<b>Six month-period before vs after IVF</b>	0.35	0.21	0.101
<b>Age at IVF (yrs)</b>	0.06	0.05	0.182
<b>Disease duration (yrs)</b>	-0.03	0.04	0.367
<b>Type of recruitment</b>	-0.21	0.34	0.555

**Supplementary Table 3B:** Differences between the number of relapses during the six month-period after IVF and a control period one year before IVF. The difference between the number of relapses after IVF and during the control period was no longer significant ( $p=0.381$ ). (\*) The coefficients represent the mean differences in the logarithm of the number of relapse according to each covariate.

	<b>Regression coefficient (*)</b>	<b>Standard Error</b>	<b>p-value</b>
<b>Intercept</b>	-2.09	1.15	0.074
<b>Six month-period before IVF vs control period</b>	0.18	0.20	0.381
<b>Age at IVF (yrs)</b>	0.06	0.04	0.127
<b>Disease duration (yrs)</b>	-0.04	0.03	0.177
<b>Type of recruitment</b>	-0.43	0.26	0.116