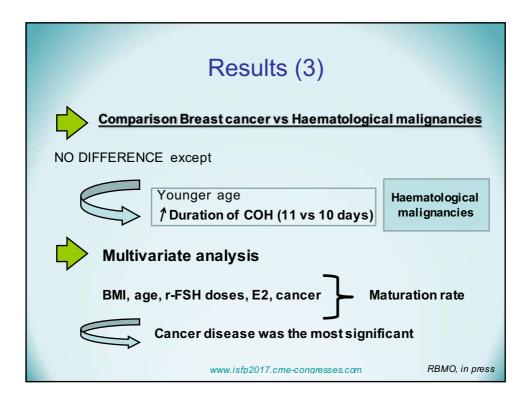
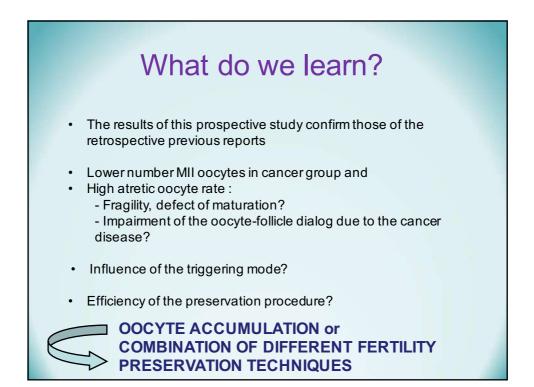


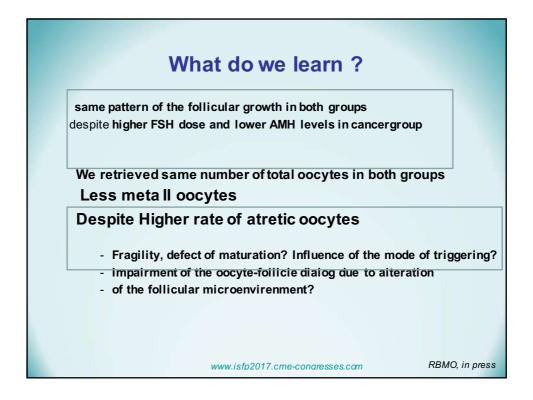
Results (1) :	COH out	comes			
TABLE 1					
Population characteristics and COH outcomes (mean ± SD)					
•	Cancer patients (n=90)	Controls (n=180)	p-value (<0.05)		
Age	29 ± 5	29 ± 5	NS		
BMI	23.1 ± 4.3	$23.9 \pm 4.3$	NS		
AMH (pmol/L.)	$34.5 \pm 42.2$	$44 \pm 26.1$	< 0.05		
Total AFC	$23.9 \pm 17.5$	$33.6 \pm 16.6$	<0.0001		
Oral contraceptive pill	50%	0%			
r-FSH starting dose (IU)	303.2 ± 93.5	$183.6 \pm 95.2$	< 0.0001		
r-FSH cumulative dose (IU)	$3260 \pm 1258$	$2026 \pm 1111$	< 0.0001		
Duration of COH (days)	$10.5 \pm 1.7$	$11 \pm 1.7$	NS		
E2 levels at triggering day (pg/mL)	$1618 \pm 1336$	<b>2056</b> ± 915.2	<0.001		
Number of follicles 11-14 mm	$5.3 \pm 4.8$	5 ± 3.6	NS		
Number of follicles $\geq 15 \text{ mm}$	$9.2 \pm 6.2$	9.3 ± 4.4	NS		

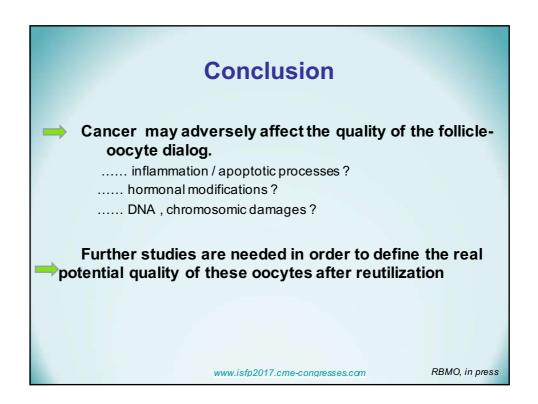
TABLE 2			
Oocyte cohort (mean ± SD)			
	Cancer patients (n=90)	Controls (n=180)	p-value
Total oocytes	$11.1 \pm 7.8$	11.1 ± 5	NS
Number of mature MII oocytes	<b>6.2</b> ± 4.7	<b>8.8</b> ± 4.2	<0.0001
Number of immature oocytes (MI + GV)	$1.2 \pm 1.4$	1 ± 1.2	NS
Number of atretic oocytes	32%	11%	<0.001
Number of MII oocytes/ total oocytes	56%	78%	<0.0001
Number of MII oocytes/ follicles $\geq 15 \text{ mm}$	75%	100%	< 0.0001
< 8 Metaphase II oocytes obtained	63%	42%	< 0.001
Low ovarian response i.e. $\leq 4$ total oocytes	23.3%	7.8 %	< 0.001
		/ *	











## Results (4): Breast cancer vs Haematological malignancies

Population characteristics and COH outcomes in br	east cancer versus hemato	logical malignancies (	mean ± SD)
	Breast Cancer (n=49)	Hematological malignancies (n=25)	p-value 95% CI
Age	30.8 ± 3.3	26 ± 6.5	<b>⊲0.01</b>
AMH (pmol/L.)	34,2 ± 37,4	22,4 ± 12,4	NS
R-FSH starting dose (UI)	293,6 ± 97,6	321 ± 62	NS
R-FSH cumulative dose (UI)	3101 ± 1307	3692 ± 1024	<0.05
Duration of COH (days)	10.3 ± 1,5	11.3 ± 2	<0.05
Estradiol level E2 at triggering day (pg/mL)	1752 ± 1432	1313 ± 822,6	NS
Number of follicles $\geq 15 \text{ mm}$	8,7 ± 4.4	8,2 ± 4.9	NS
Total oocytes	11,1 ± 6.9	$11 \pm 7,6$	NS
Number of mature MII oocytes	$6,2 \pm 4,5$	7 ± 5.3	NS
Low ovarian response : $\leq 4$ total oocytes	22.4% (11)	20% (5)	NS

Multivariate analysis				
TABLE 3 – Effect of cancer on maturation rate	in multivariate analysis			
	β	95% IC	p-value	
Cancer (yes Versus no)	-18.65	-24.99 to -12.31	< 0.0001	
Cancer (yes Versus no) Age*	-18.65	-24.99 to -12.31 0.24 to 5.23	<0.0001 0.032	
Age*	2.74	0.24 to 5.23	0.032	
Age* BMI*	2.74	0.24 to 5.23 -4.36 to 0.63	0.032	
Age* BMI* AMH*	2.74 -1.87 -3.30	0.24 to 5.23 -4.36 to 0.63 -6.66 to 0.07	0.032	