

Figure 1. The role of oxidative stress in male infertility

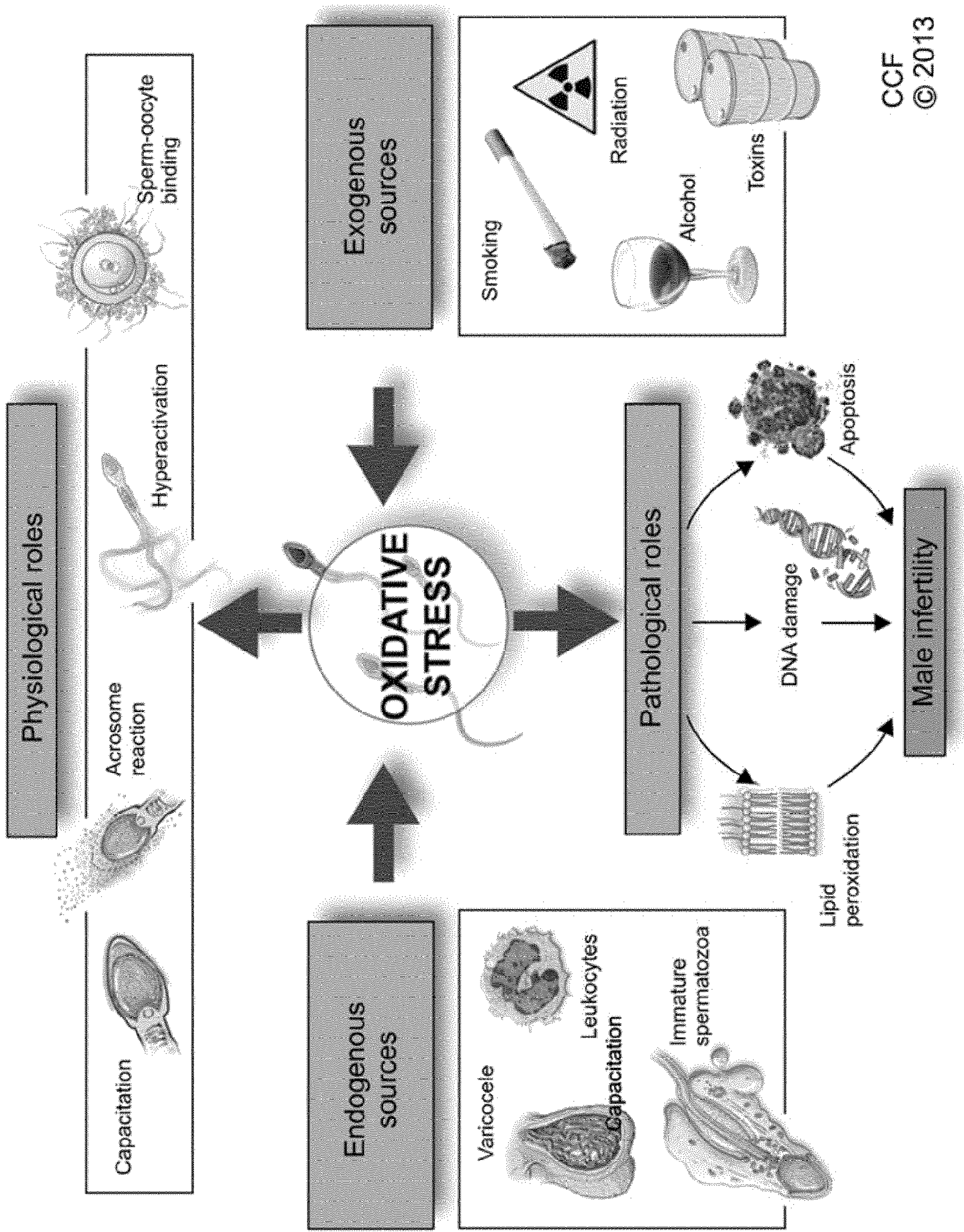


Figure 2. Table showing baseline andrology-related patient information, semen parameters and leukocyte count

Clinical Andrology Parameters										CASA Values						leukocyte
Age	Primary/secondary infertility	Length of infertility (months)	Volume (ml)	Count (M/ml)	Total Motility (%)	Morphology (% normal)	TZI	Count (M/ml)	Progression (%)	Rapid (%)	Total Motility (%)	Count (M/ml)	Progression (%)	Rapid (%)	Total Motility (%)	Count (M/ml)
35	secondary	20	3.3	32	45	1.5	1.3	32	17	22	31	7.2	57	60	71	1.26
29	primary	12	2.4	46	67	3.3	1.2	46	48	59	66	22.7	69	78	87	0.84
49	primary	15	2.5	36	49	2.8	1.2	36	19	26	32	5.1	52	59	63	0.89
43	secondary		2.6	16	58	1.8	1.4	16	16	23	28	2.7	42	44	44	0.39
32	primary	24	2.6	92	48	2.8	1.2	92	41	59	66	17.2	55	70	79	0.93
33	secondary		3.3	33	44	4.8	1.3	34	18	26	30	1.4	47	53	57	0.25
30		24	3.9	50	48	3.5	1.3	50	32	35	40	1.3	45	48	54	0.39
42	secondary	56	1.6	138	50	0.8	1.5	138	19	31	31	2.9	61	67	76	2.2
38	primary	14	1.9	48	49	1.8	1.4	48	14	20	32	1.3	67	39	77	0.69
35			3	61	45	3.8	1.3	62	21	26	35	10.1	83	87	92	0.48
40	secondary		2.6	79	52	0	1.4	79	27	31	36	15.6	75	85	89	1.04
23			2.3	34	49	1	1.3	63	37	57	74	4.2	38	74	88	0.47
27			3.2	204	60	4.8	1.2	109	24	40	51	73.5	74	95	96	1.08
31	secondary	30	3.2	156	58	4	1.3	117	48	69	77	20.8	48	87	90	3.22
24			6.2	23	38	3.2	1.3	36	21	30	38	26	68	88	89	0.18
25	primary		3.8	31	44	1	1.5	62	11	26	34	11.5	51	76	78	2.45
29	secondary	24	4.8	75	47	2.8	1.3	69	52	80	87	32.8	73	86	94	0.26
33								81	53	66	73	20.7	69	72	93	1.01
32	primary	13	4.7	86	32	2.8	1.3	55	15	26	53	18.2	29	44	57	0.55
50			1.2	75	38			99	40	55	68	1.3	11	25	34	1.97
39			2.6	216	20			72	40	61	67	21	36	53	57	0.72
35	secondary	54	2.5	21	35	5.8	1.3	33	23	37	48	2.2	58	69	71	0.37
42			4.1	112	48	6.3	1.2	65	54	69	73	46.7	38	70	73	0.49
36	primary	18	5.4	20	38	1.3	1.3	38	15	20	34	9.4	27	73	78	0.29
N/A								92.5	45	69	79	31.9	71	88	94	
N/A								14.2	23	31	35	3.1	24	42	53	
N/A								33.5	18	32	47	6.4	31	46	53	
N/A								67.2	38	58	65	27	38	80	88	
N/A								24.2	12	17	25	1.9	42	46	46	

Figure 3a Differences in Sperm Motility Parameters after 24-hour incubation

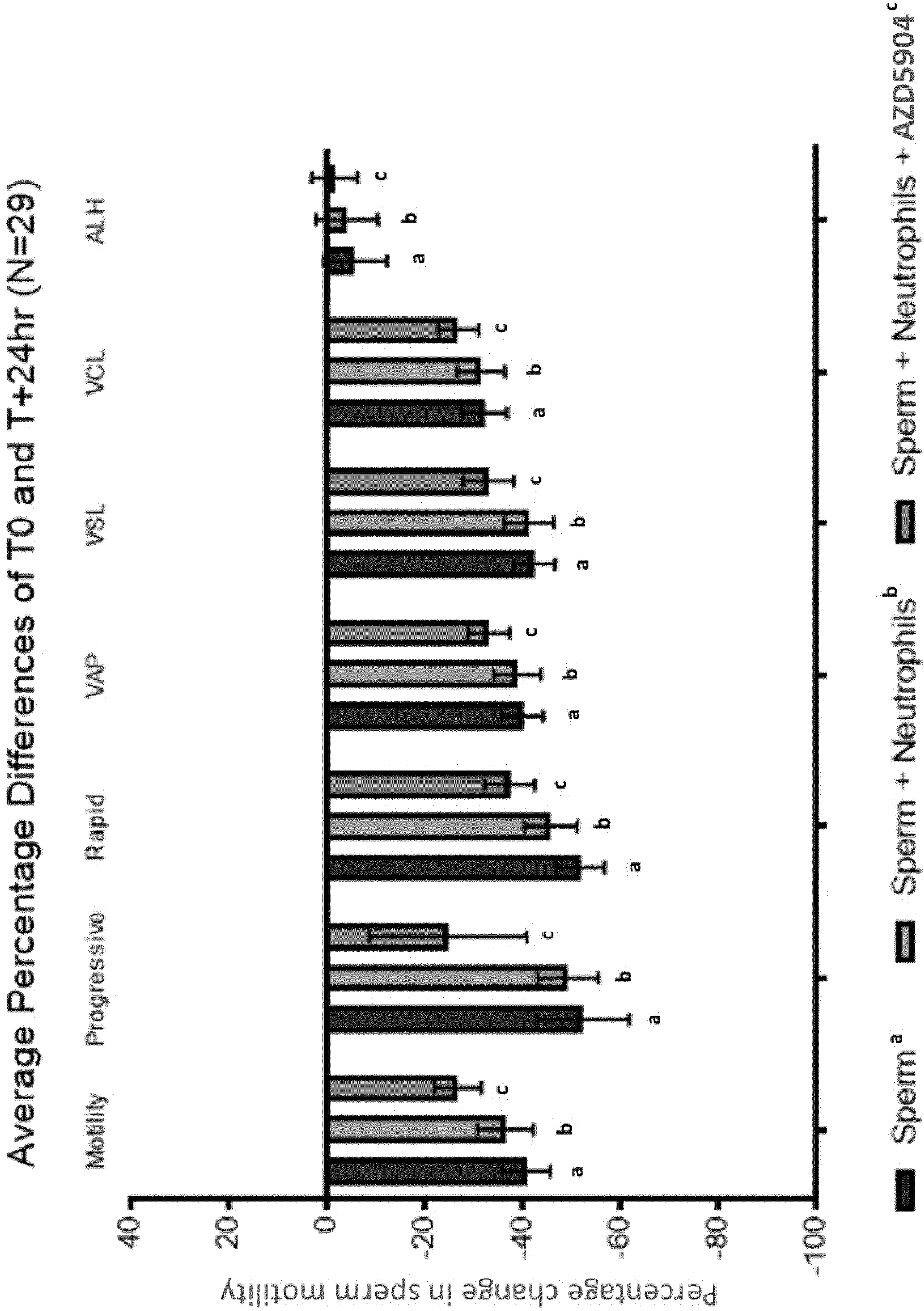


Figure 3b Change in Sperm Motility Parameters after 2h and 24-hour incubation

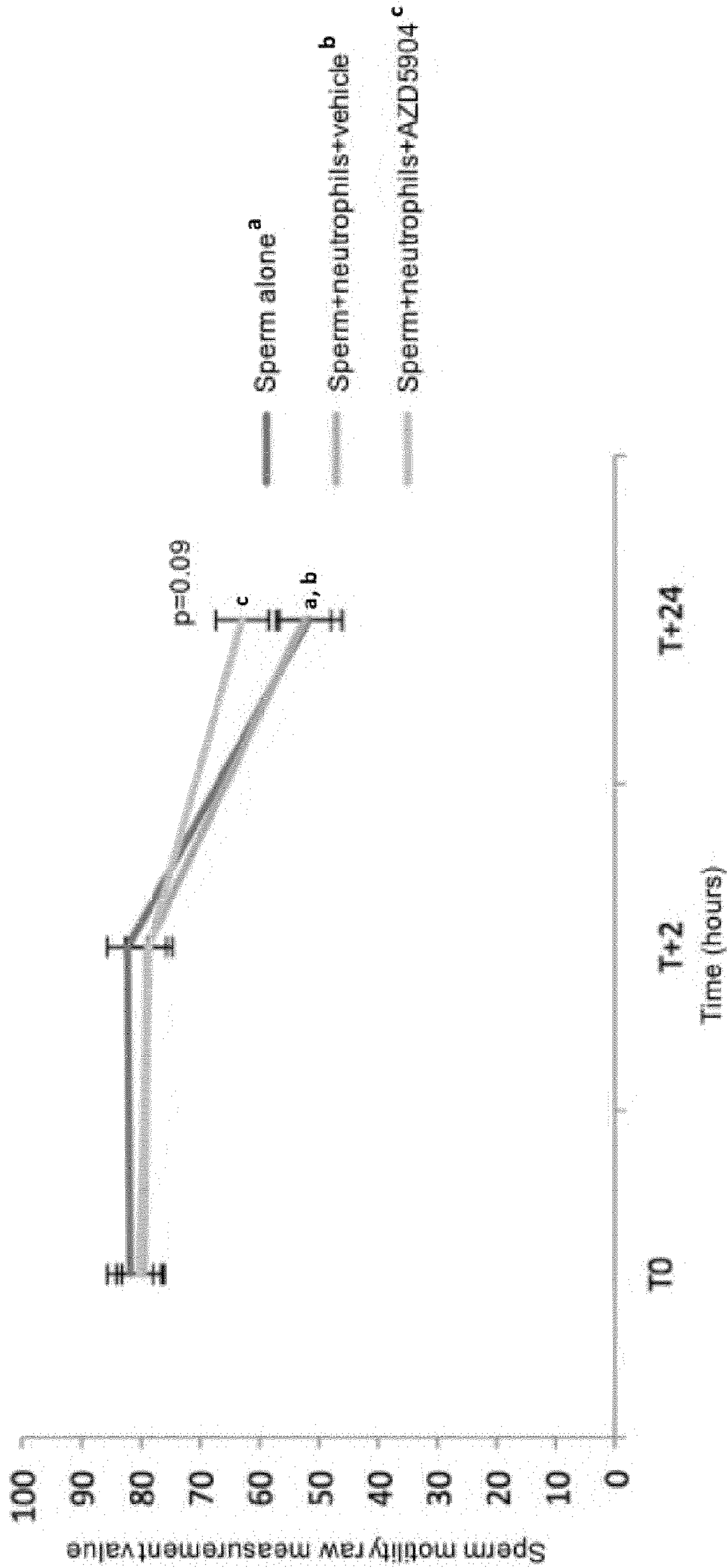


Figure 4. Effect of AZD5904 treatment on Kremer Penetration Assay after 2-hours

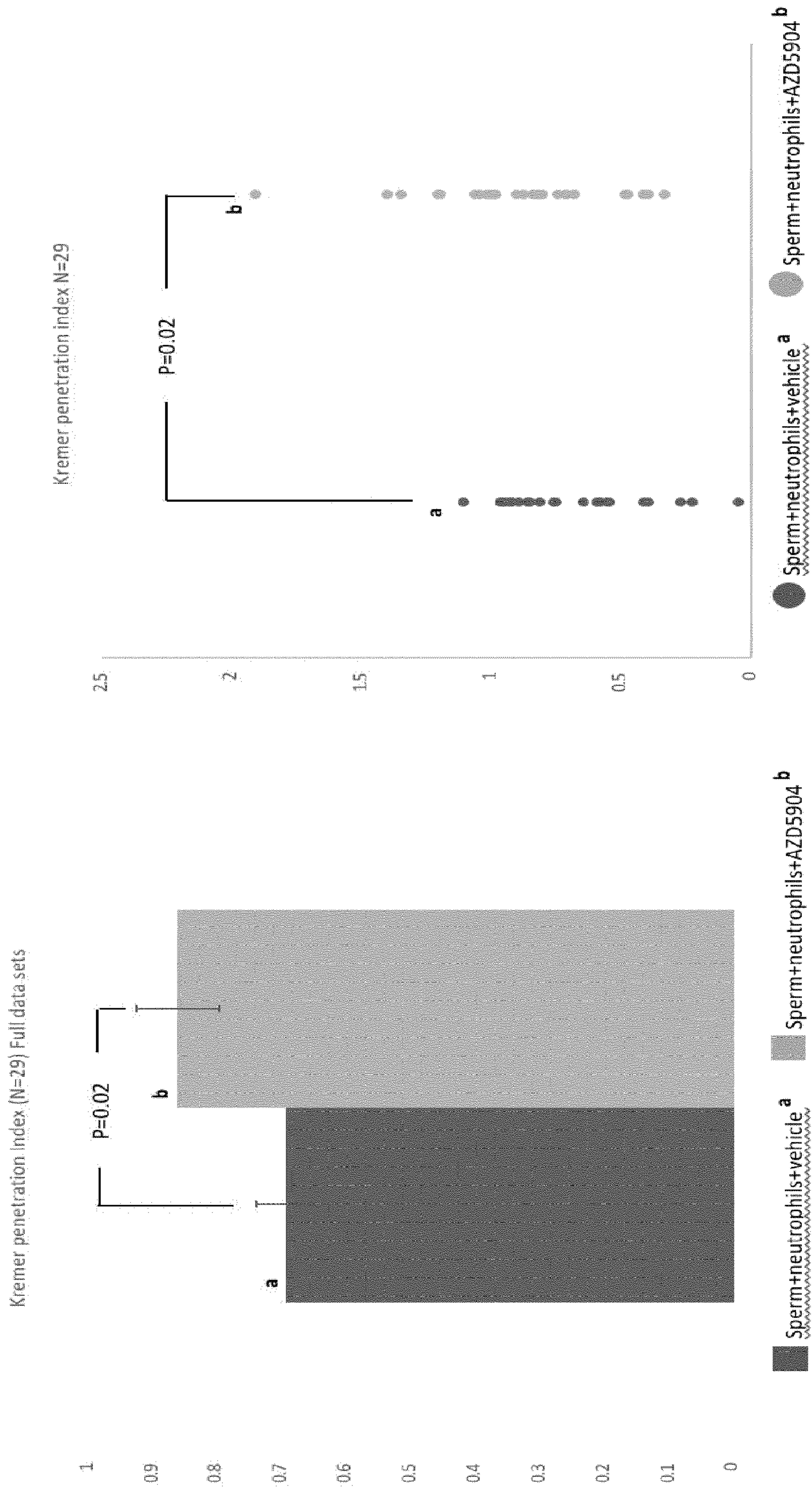


Figure 5. Examples of positive responders to AZD5904 in the Kremer penetration test

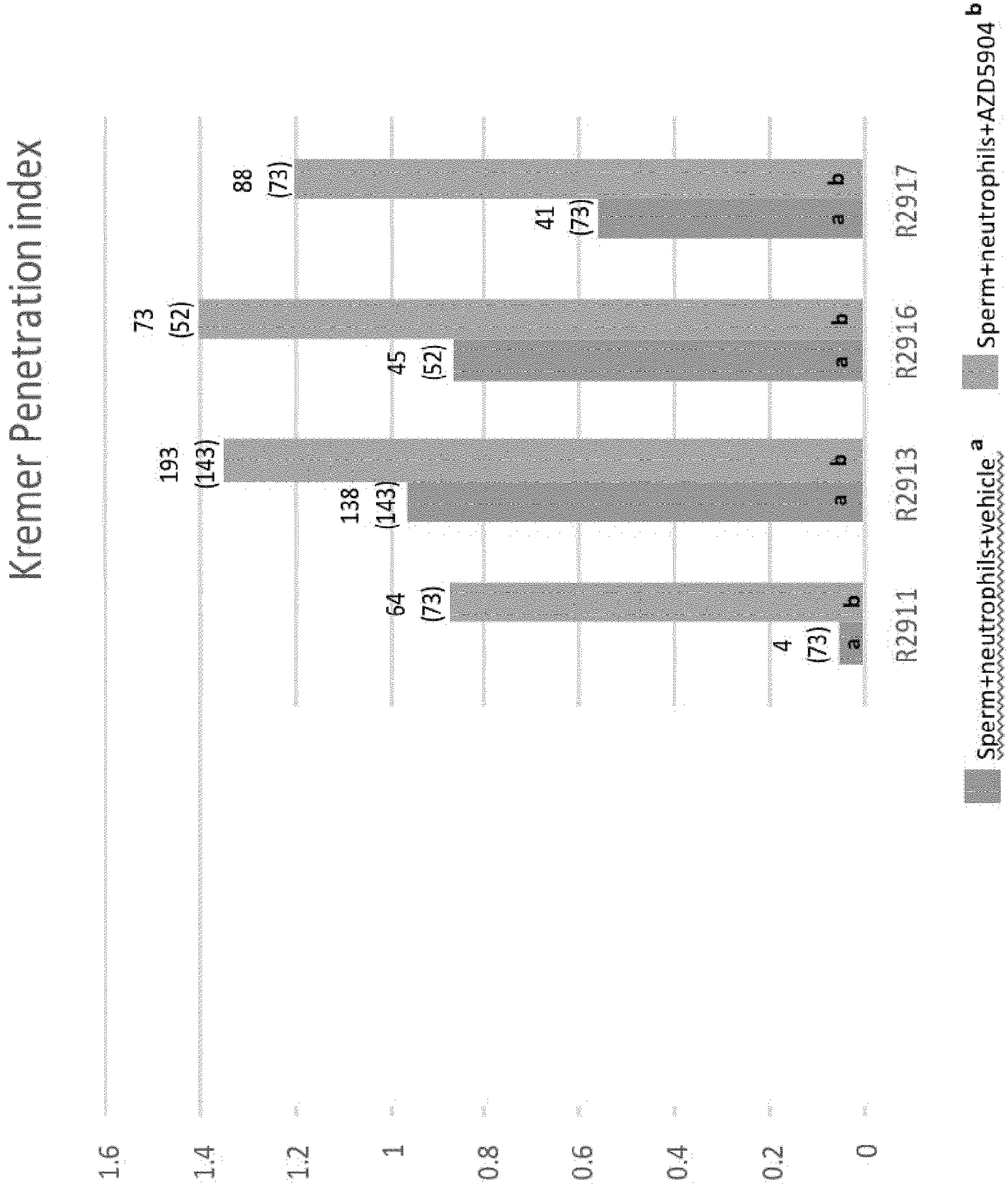


Figure 6 Average MDA staining by flow cytometric analysis

