

Reference: 12115



Datum: 30.6.2022.

Centre: Poliklinika Cito

CHN: 12115



Pacijent: ██████████

Sample Information

Datum davanja uzorka: 30.6.2022. 07:19

Volumen (M/ml): 2,50

Temperatura (C): 37

Problemi kod davanja uzorka: No

Likvefakcija: Complete

Viskozitet: Normal

Izgled: Normal

Treatment:

Način davanja: at laboratory

pH: 7,90

Abstinence days: 3

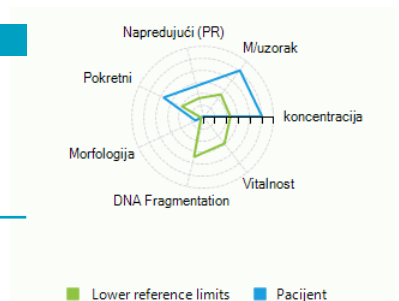
Cijeli uzorak: Complete

Agregacija: Normal

Aglutinacija: 1A

Stanični elementi: Normal

Analysis	Result	Status	Reference Value
koncentracija	32,42 M/mL	PASSED	≥15,00 M/mL
Sperm number	81,05 M/uzorak	PASSED	≥39,00 M/uzorak
Napredujući (PR)	53,23 %	PASSED	≥32,00 %
Pokretni	74,63 %	PASSED	≥40,00 %
Morfologija	14,85 %	PASSED	≥4,00 %



Diagnostic

Normozoospermia

Ordinary (30/06/2022 08:38)

koncentracija

32,42 M/mL
(≥15,00M/mL)

81,05 M/uzorak
(≥39,00M/uzorak)

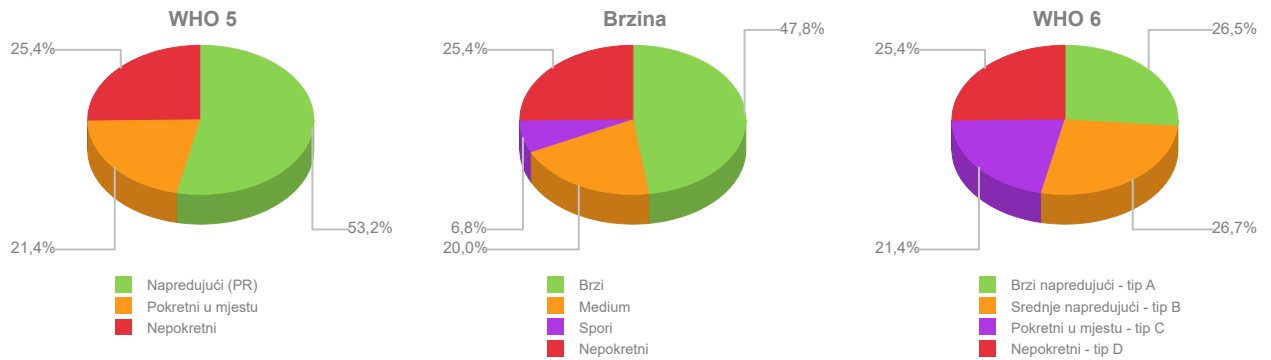
Volumen (M/ml): 2,50
Dilution 1:0

WHO 5	Total	Postotak (%)	M/mL	M/uzorak
Napredujući (PR) (≥32,00%)	428	53,23	17,26	43,15
Pokretni u mjestu	172	21,39	6,94	17,34
Nepokretni	204	25,37	8,23	20,56

	Total	Postotak (%)	M/mL	M/uzorak
Pokretni (≥40,00%)	600	74,63	24,19	60,49

Brzina	Total	Postotak (%)	M/mL	M/uzorak
Brzi	384	47,76	15,48	38,71
Medium	161	20,02	6,49	16,23
Spori	55	6,84	2,22	5,54
Nepokretni	204	25,37	8,23	20,56

WHO 6	Total	Postotak (%)	M/mL	M/uzorak
Brzi napredujući - tip A	213	26,49	8,59	21,47
Srednje napredujući - tip B	215	26,74	8,67	21,67
Pokretni u mjestu - tip C	172	21,39	6,94	17,34
Nepokretni - tip D	204	25,37	8,23	20,56



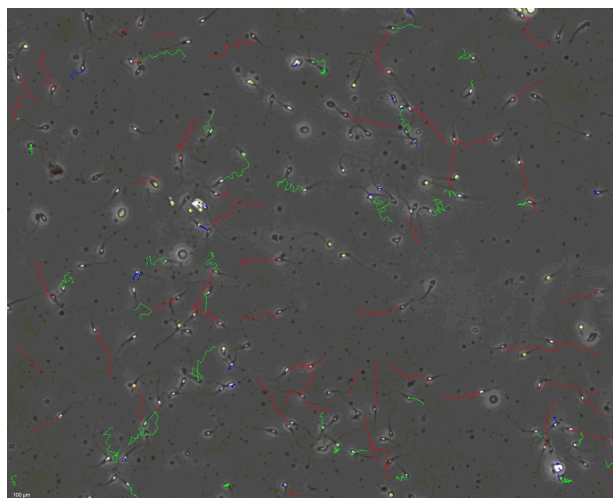
	Prosjek	Nepokretni	Spori	Medium	Brzi	Units
Head area	4,98	7,03	6,28	3,82	3,13	μm^2

	koncentracija	Total	Postotak (%)
Okrugle stanice Peroxidase-positive	0,58 M/mL	323	40,17 %

Avg. values of speed	Prosjek	Spori	Medium	Brzi	Units
Curve speed - VCL	46,23	20,05	54,01	59,51	$\mu\text{m/s}$
Linear speed - VSL	22,80	4,78	18,96	41,23	$\mu\text{m/s}$
Avg. value - VAP	30,20	10,33	31,82	44,62	$\mu\text{m/s}$
Linearity index - LIN	45,80	23,85	39,05	70,34	%
Straightness index - STR	66,42	43,07	59,69	92,07	%
Oscillation index - WOB	63,78	51,80	61,23	76,01	%

Avg. values of other parameters	Prosjek	Medium	Brzi napredujući - tip A	Units
Amplitude lateral head - ALH	1,98	2,57	2,11	μm
Beat frequency - BCF	7,10	6,65	9,87	Hz

	Total	Postotak (%)	Postotak (%)	M/mL	M/uzorak
Hiperaktivni	0	0,00	0,00	0,00	0,00
Mucous penetration	183	30,50	22,76	7,38	18,45

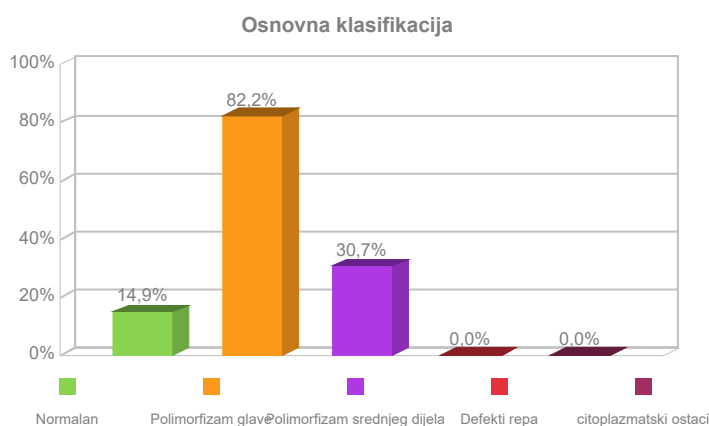
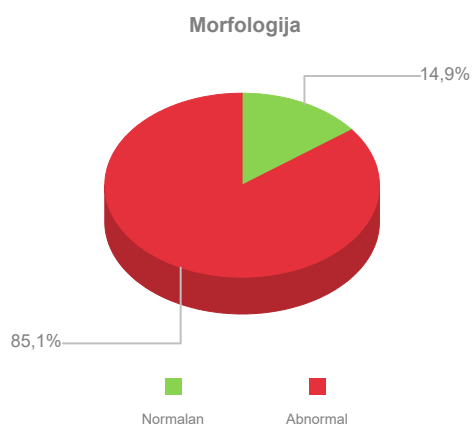




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Morfologija	Total	Postotak (%)
Normalan ($\geq 4,00\%$)	15	14,85
Abnormal	86	85,15
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Teratozoospermy index		1,33
Deformity index		1,84
Multiple anomalies index		2,29

Osnovna klasifikacija	Total	Postotak (%)
Normalan	15	14,85
Polimorfizam glave	83	82,18
Polimorfizam srednjeg dijela	31	30,69
Defekti repa	0	0,00
citoplazmatski ostaci	0	0,00



Just one defect	Total	Postotak (%)
Glava	55	54,46
Srednji dio	3	2,97
Rep	0	0,00

Multiple defects	Total	Postotak (%)
Head + Midpiece	28	27,72
Head + Tail	0	0,00
Midpiece + Tail	0	0,00
Head + Midpiece + Tail	0	0,00

Morfologija	Total	Postotak (%)	Morfologija	Total	Postotak (%)
Normal size	29	28,71	Normalni srednji dio	70	69,31
Micro	3	2,97	Abnormal size	21	20,79
Macro	69	68,32	Abnormal Insertion	18	17,82
Normal shape	56	55,45	Abnormal Angle	3	2,97
Tapered	2	1,98	Normal tail	101	100,00
Thin	2	1,98	Abnormal	0	0,00
Round	4	3,96	Short	0	0,00
Pyriform	30	29,70	Without	0	0,00
Amorphous	7	6,93	Irregular	0	0,00
Normal acrosome	70	69,31	Rolled	0	0,00
Acrosome Abnormal	31	30,69	Multiple	0	0,00
			Angulation	0	0,00

Morfometrija	Prosjeak	Deviation	Morfometrija	Prosjeak	Deviation
Head length	5,31	0,63	Midpiece width	1,19	0,53
Head width	3,17	0,37	Midpiece area	1,80	0,64
Head area	13,40	1,91	Midpiece angle	14,64	27,41
Head perimeter	14,51	1,31	Acrosome	49,92	14,70
Head ellipticity	1,70	0,30			
Head elongation	0,25	0,08			
Head roughness	0,80	0,07			
Head regularity	0,98	0,05			



Odgovorna osoba: Dr sc Romac, Pavle

Komentar: Sve vrijednosti spermograma uredne, osim što je viđeno nekoliko manjih nakupina slijepljenih (aglutiniranih) spermija. Ako se par odluči za MPO potrebno je obratiti pažnju na aglutinacije.