



Sperm Motility Analysis

Results provided by CASA (Computer-Aided Sperm Analysis system)

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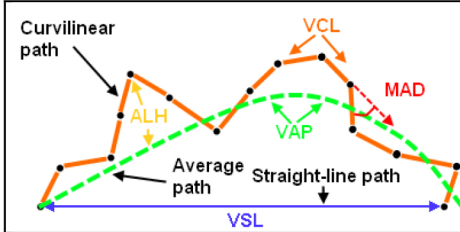
Name	Mr.	DURASAMISHA DHAWLADHSHA	Date of sample	10-Dec-16		
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Motility Classes

A - fast, progressive. B- slow, progressive. C - nonprogressive. D - immotile. A+B= progressive motility. A+B+C= total motility.

Concentration, M/ml	75.6	A+B, %	27.5	A+B+C, %	46
Class A, %	21.5	Class A, M/ml	16.2	Class A, total	40.5
Class B, %	6	Class B, M/ml	4.53	Class B, total	11.3
Class C, %	18.5	Class C, M/ml	13.9	Class C, total	34.8
Class D, %	54	Class D, M/ml	40.9	Class D, total	102

Sperm Movement Parameters



VSL, straight-line (rectilinear) velocity.
VCL, curvilinear velocity. A measure of cell vigour.
VAP, average path velocity.
ALH, amplitude of lateral head displacement.
LIN, linearity. The linearity of a curvilinear path, VSL/VCL.
STR, straightness. Linearity of the average path, VSL/VAP.
WOB, wobble. VAP/VCL.
BCF, beat-cross frequency. The average rate at which the curvilinear path crosses the average path.
MAD, mean angular displacement.

Mean Values by Classes Velocity Unit -µm/sec

	VCL	VSL	VAP	ALH	BCF	LIN	STR	WOB	MAD
Class A	58	34	41	1	4.9	0.59	0.73	0.73	53
Class B	30	14	21	0.81	4.8	0.5	0.64	0.69	72
Class C	35	14	20	0.79	4.1	0.35	0.35	0.62	78
Class D	6.4	0.53	3.2	0.54	2.2	0.12	0.18	0.71	111

