

Table (4): Simple correlation coefficients between semen characteristics and blood flow measures(PI,RI and SD) in bucks.

Parameter	PI	RI	S/D	S.C.A	S.C.C.	A.S.	IM	MM	Ej. vol.
Ejaculate volume (ml)	-0.095	0.709***	0.597***	-0.143	0.067	-0.103	-0.015	0.024	
Mass motility (score)	0.335	0.269	0.248**	-0.461***	0.502***	0.843***	0.933***		
Individual motility (%)	0.287*	0.233*	0.183	-0.401***	0.444***	0.889***			
Alive sperm (%)	0.188	0.160	0.125	-0.264**	0.386***				
Sperm cell concentration ($\times 10^9$ /ml)	0.382***	0.368***	0.347***	-0.505***					
Sperm cell abnormalities (%)	-0.254**	-0.289**	-0.262**						

* = Significant at $P < 0.05$

** = Significant at $P < 0.01$

*** = Significant at $P < 0.001$

PI = Pulsatility index

RI = Resistance index

S/D = Systolic diastolic ratio

S.C.A. = Sperm cell abnormalities

S.C..C. = Sperm cell concentration

A.S. = Alive sperms

IM = Individual motility

MM = Mass motility

Ej. Vol. = Ejaculate volume.

