

ORIGINAL/RESEARCH ARTICLES

SEMEN ANALYSIS PARAMETERS AND EFFECT OF TREATMENT WITH ASPARAGUS RACEMOSUS AND MUCUNA PRURIENS

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Obstetrician and Gynaecologist, Prabhadevi, Mumbai 25. Male factor in infertility contributes to almost 30-50%. Unfortunately three quarter of men attending the infertility clinics have no recognizable cause. Normal parameters depending on volume, sperm density, motility and morphology as defined by WHO when taken into consideration, most men with abnormal semen parameters are not sterile but are only sub fertile. Latest techniques based on functional analysis of sperms in vitro and vivo are being explored. Still the line of treatment remains in most cases empirical. This paper aims at finding out the abnormal semen parameters with their significance and secondly the result of treatment with Asparagus Racemosus and Mucuna Pruriens.

MATERIAL AND METHODS

This is series in author's private clinic since 1982, of two hundred thirty cases of more than 3 years of infertility. These patients were given dose of each of Asparagus R and Mucuna P 5 grams in milk daily.

ANALYSIS PARAMETERS

Age groups

Upto 25 years of age - 16.2%

25-40 years - 79.18%

Above 40 years - 4.56%

Bhajekar et al series showed upto 40 years of age - 16.2%

Rajan et al series showed up to 40 years of age - 80.17%

Above the 40 years - Bhajekar *et al* series - 17%

Rajan et al series - 7.14%

the 40 years - Bhajekar et al series -

Recognisable aetiological factors

	Present series	Singh et al series
History of trauma to testis	6.5%	29%
Epididymo-orchitis	10.00%	22%
Varicocele	9.50%	3%
Crypto-orchidism	0.86%	3%
Hydrocoele	10.43%	-
Hernia	2.60%	-
Filarial scrotum	0.43%	-
Mumps	2.60%	-
History of small pox	7.80%	-
Exposure to venereal diseases	13.90%	-
VDRL Position	2.27%	-

Occupation in heated environment	7.80%	-
Tight undergarments	2.10%	-
Addiction to alcohol	3.90%	-
Family history of diabetes	3.90%	-
Hard labour	8.60%	-
History of Kochs	3.90%	-
Obesity	1.72%	-
Impotency	4.78%	-
Klinefelters syndrome	0.43%	-

Epididymo-orchitis, heated environmental factors in work place, varicocoele, hydrocoele, exposure to venereal disease, history of small pox formed important causes associated with infertility.

Testicular Volume

It is very important to recognize the testicular volume. Orchidometer, series of plastic ellipsoids graded for volume, provide simple standard for comparison. Normal adult testis should exceed 15 ml volume.

Volume		Present series	Rajan et al series
15-30 ml	(89)	48.63%	(123) 59%
10-15 ml	(58)	31.69%	—
Less than 10 ml	(36)	19.60%	(87) 41%