ORIGINAL RESEARCH PAPER

Biotechnology

EFFECTIVE CONJUGAL LIFE AMONG FOUR DIFFERENT ENDOGAMOUS POPULATIONS OF COASTAL ANDHRA PRADESH.

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ABSTRACT

In the present paper an attempt has been made to portray the results with regard to the effective conjugal life among the four different endogamous populations like Kapu (forward caste), Sattibalija (backward castes), Paki (scheduled caste, and Yarukula (scheduled tribe) living in the same ecological zone of Narasapuram Mandal of West Godavari District of Andhra Pradesh.

INTRODUCTION:

The duration of effective conjugal life is very important event in women's reproductive span. The duration of effective conjugal life is estimated from the age at first conception to the age at last conception and is known as the duration of effective conjugal life. The duration of effective conjugal life is different in different populations. Here, is the information about the effective conjugal life of four different populations such as Kapu (Forward Caste), Settibalija (Backward Caste), Paki (Scheduled Caste) and Yerukala (Scheduled Tribe).

Materials & Methods: For proper analysis and for comparison of these four different endogamous groups, 100 households each from the four caste groups were randomly selected. Care had been taken not to include related people within the sample of each community. The total sample of 400 households had been selected from the same ecological niche so that the environmental influences if at all are present, they are similarly affecting all the four endogamous groups. The four endogamous groups included in the present investigation are Kapu (forward caste), Sattibalija (backward caste), Paki (scheduled caste), and Yarukula (scheduled tribe) of Narsapuram Mandal of West Godavari District of Andhra Pradesh.

All the selected caste groups were enumerated and house to house survey was made by personally interviewing the wife and husband of each family for demographic information. The questions in the demographic schedule posed to the subjects and answers elicited. The answers were cross checked by checking the information given by the couple from the people who were present at the time of interview along with the couple.

RESULTS AND DISCUSION:

Distribution of effective conjugal life of **Kapu** (Forward caste) women.

Age in Years	Frequency	Percentage
1 – 5	69	73.40
6 – 10	18	19.15
11 – 15	3	3.19
16 – 20	4	4.26
21 – 25	0	0.00
26 – 30	0	0.00
30 Above	0	0.00
Total	94	100.00

Average Duration of Effective Conjugal Life 4.91 ± 0.38 years.

The average duration of effective conjugal life of the Kapu women is 4.91 ± 0.38 years. The majority (73.40%) women had the conjugal duration between 1-5 years, followed by 19.15% of women had a conjugal life between 6-10 years. And a very few women had the effective conjugal life between 11-20 years.

Distribution of effective conjugal life of **Settibalija** (Backward caste) women.

Age in Years	Frequency	Percentage
1 – 5	54	54.55
6 – 10	37	37.37
11 – 15	7	7.07
16 – 20	1	1.01
21 – 25	0	0.00
26 – 30	0	0.00
30 Above	0	0.00
Total	99	100.00

Average Duration of Effective Conjugal Life 5.31 ± 0.33 years.

The average duration of effective conjugal life of Settibalija women is 5.31 ± 0.33 years. The majority 54.55% of Settibalija women had the duration of effective conjugal life of 1-5 years, followed by 37.37% of women who had the duration of effective conjugal life between 6-10 years and a few women had the duration of effective congual life between 11-15 years.

Distribution of effective conjugal life of **Paki** (Scheduled Caste) women.

Age in Years	Frequency	Percentage
1 – 5	59	63.44
6 – 10	21	22.58
11 – 15	10	10.75
16 – 20	3	3.23
21 – 25	0	0.00
26 – 30	0	0.00
30 Above	0	0.00
Total	93	100.00

Average Duration of Effective Conjugal Life 5.82 ± 0.41 years.

The average effective conjugal life of Paki women is 5.82 ± 0.41 years. The majority of the Paki women 63.44%, had a duration of effective conjugal life between the 1-5 years followed by 22.58% of women where the duration of effective conjugal life is in between 6-10 years and next in 10.75% of women, the duration of effective conjugal life is between 11-15 years.

Distribution of effective conjugal life of **Yerukala** (Scheduled Tribe) women.

Age in Years	Frequency	Percentage
1 – 5	45	51072
6 – 10	20	22.99
11 – 15	16	18.39
16 - 20	3	3.45
21 - 25	2	2.30
26 - 30	1	1.15
30 Above	0	0.00
Total	87	100.00

Average Duration of Effective Conjugal Life 7.13 $\pm$ 0.59 years.

The average effective congual life of Yerukala women is 7.13 $\pm$ 0.59 years. The majority of the 51.72% of Yerukala women has the duration of the effective conjugal life is between 1-5 years followed by 22.99% of women had a duration of effective conjugal life in between 6-10 years and next 18.39% of women, the duration of effective conjugal life is in between 11-15 years. A few women have the duration of effective conjugal life in between 20-30 years.

CONCLUSION

The mean years of effective conjugal life in Kapu is 4.91 $\pm$ 0.38 years, in Settibalija 5.31 $\pm$ 0.33 years, in Paki 5.82 $\pm$ 0.41 years and in Yerukala tribe it is 7.13 $\pm$ 0.39 years. The higher incidence of mean years of effective conjugal life was recorded in Yerukala tribe 7.13 $\pm$ 0.39 due to their early marriages and late on set of last conception. While comparing these four different communities, the highest duration of effective conjugal life is recorded in Yerukala tribe (7.13 $\pm$ 0.59) years, and the lowest effective conjugal life is in Kapu (Forward Caste) (4.91 $\pm$ 0.38) years. Yerukala tribe shows maximum duration of effective conjugal life because they are illiterates and they will not follow the birth control practices.

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