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Anthropometry of Konda Reddys East Godavari District (A. P.)

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ANTHROPOMETRY OF KONDA REDDY'S OF EAST GODAVARI

DISTRICT: (ANDHRA PRADESH)

The present Anthropometric investigation of Konda Reddy's was carried out in 7 villages namely Pandirimamidi Kota, Yelliwada, Kakur, Tenela Mamidi, Kangaralova Bodlanka and Nimma Chettu Bandalu of Maredumilli Block, 2 villages namely Musurumilli and Boraagudem of Ramapachodavaram Block and 3 villages namely Veeravaram, Pinjarakonda and Perikavalasa of Addateegala Block of East Godavari District. Only unrelated individuals were covered.

THE DATA:

The Data on 99 adult male and 98 adult female individuals were collected according to the method prescribed by Martin.

AGE DISTRIBUTION:

The age distribution of the sample covered is as follows.

TABLE NO. - 1.

AGE GROUP DISTRIBUTION.

Age (in years)	Males (99)		Females (98)	
	Abs. No.	%	Abs. No.	%
18-20	14	14.14	14	14.28
20-25	14	14.14	16	16.32
25-30	10	10.10	17	17.34
30-35	13	13.13	17	17.34
35-40	14	14.14	12	12.24
40-45	22	22.22	13	13.26
45-50 +	12	12.12	9	9.18

ANTHROPOMETRIC OBSERVATIONS:

The statistical contents of measurements for the males and females and indices for males and females with range of variation, mean with standard error, standard deviation with standard error, coefficient of variation with standard error are presented, below.

	1.	2.	3.	4.	5.	6.
14. Minimum frontal diameter	9.1 - 12.7	10.81+0.05	0.5494+0.03	5.0823+0.36		
15. Bizygomatic breadth	8.9 - 12.7	11.19+0.08	0.8816+0.06	7.8784+0.55		
16. Bigonial diameter	8.8 - 11.7	10.01+0.06	0.6192+0.04	6.1858+0.43		
17. Biacromial diameter	31.2 - 42.2	36.60+0.21	2.1093+0.14	5.7631+0.40		
18. Morphological facial length	9.1 - 11.8	10.41+0.06	0.6474+0.04	6.2190+0.44		
19. Morphological superior facial length	5.1 - 7.2	5.98+0.04	0.4855+0.03	8.1187+0.57		
20. External orbital breadth	8.0 - 11.2	9.53+0.06	0.6474+0.04	6.2190+0.44		
21. Nasal height	3.1 - 4.9	4.25+0.04	0.4131+0.02	9.7200+0.69		
22. Nalsal breadth	3.0 - 4.6	3.62+0.03	0.3134+0.02	8.6574+0.61		
23. Ear length	4.6 - 6.9	5.75+0.04	0.4165+0.02	7.2434+0.51		
24. Ear breadth	2.7 - 4.2	3.23+0.02	0.2371+0.01	7.3405+0.52		
25. Upper leg length	35.8 - 54.5	44.54+0.36	3.6723+0.26	8.2451+0.58		
26. Lower leg length	35.2 - 49.9	41.16+0.27	2.7569+0.19	6.6981+0.47		

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TABLE No. 1 a STATISTICAL CONSTANTS OF MEASUREMENTS.

S.No.	Measurements in cms	Range	Mean±SE	S. D.±SE	C. V.±S. E.
1.	Stature	149.3 - 178.6	161.37±0.59	5.9001±0.41	3.6562±0.25
2.	Sitting Height	73.6 - 89.0	80.12±0.35	3.5609±0.25	4.4444±0.31
3.	Height tragus	135.4 - 165.0	147.54±0.61	6.1684±0.43	4.1808±0.29
4.	Height acromion	122.1 - 145.4	132.48±0.51	5.1272±0.36	3.8701±0.27
5.	Height radiale	92.5 - 110.9	100.28±0.43	4.2351±0.30	4.2811±0.30
6.	Height stytion	69.4 - 88.4	76.08±0.36	3.6344±0.25	4.7770±0.33
7.	Height dactyeion	50.2 - 67.6	58.40±0.34	3.4242±0.24	5.8633±0.41
8.	Height ie iospinale	82.2 - 102.7	90.46±0.49	4.9302±0.35	5.4501±0.38
9.	Height tibiale	41.2 - 55.1	46.12±0.28	2.7901±0.19	6.0496±0.42
10.	Height spherion	3.9 - 6.6	4.95±0.04	0.4387±0.03	8.8626±0.62
11.	Head length	16.2 - 19.2	18.08±0.05	0.5707±0.04	3.1565±0.22
12.	Head breadth	11.9 - 15.1	13.59±0.04	0.4874±0.03	3.6011±0.25
13.	Head height	10.0 - 18.5	13.87±0.14	1.4421±0.10	10.3974±0.73

TABLE No. 1 b STATISTICAL CONSTANTS OF MEASUREMENTS (FEMALES 98).

S.No.	Measurements in cms.	Range	Mean±SE	SD±SE	C.V.±SE
1.	Stature	142.9 - 161.5	150.05±0.54	5.35±2+0.38	3.5556±0.25
2.	Sitting Height	70.7 - 85.7	76.22±0.29	2.9678±0.21	3.8937±0.27
3.	Height tragus	125.2 - 151.7	137.46±0.51	5.0683±0.36	3.6871±0.26
4.	Height acromian	128.5 - 136.6	123.10±0.52	5.2263±0.37	4.2455±0.30
5.	Height radiale	81.6 - 101.6	93.08±0.42	4.2531±0.30	4.2531±0.32
6.	Height stylium	54.2 - 80.7	71.01±0.40	0.934±0.28	5.6377±0.40
7.	Height dectylion	40.7 - 63.3	54.51±0.40	4.0474±0.28	7.42501±0.53
8.	Height iliospi. male	81.6 - 97.0	86.74±0.44	4.4139±0.31	5.0886±0.36
9.	Height tibiale	38.2 - 50.0	43.79±0.25	2.5490±0.18	5.8211±0.41
10.	Height spherion	4.2 - 6.8	4.80±0.04	0.4049±0.02	8.4367±0.60
11.	Head length	16.3 - 18.6	17.21±0.15	1.5466±0.11	8.9867±0.60
12.	Head breadth	12.2 - 13.9	13.16±0.04	0.1422±0.03	3.3605±0.24
13.	Head height	10.0 - 15.3	13.22±0.11	1.1030±0.07	8.3441±0.59

	1	2	3	4	5	6
27. Total leg length			81.2 - 97.8	87.32+0.41	4.1191+0.29	4.7172+0.33
28. Upper arm length			21.6 - 37.7	32.12+0.22	2.2854+0.16	7.1153+0.50
29. Lower arm length			16.4 - 29.9	24.08+0.24	2.4796+0.17	10.2974+0.73
30. Total arm length			61.9 - 80.8	73.92+0.34	3.4677+0.24	4.6912+0.33
31. Arm span			155.4 - 180.1	168.99+0.64	6.3733+0.45	3.7714+0.26
32. Pat fold at triceps			0.3 - 0.9	0.54+0.04	0.1355+0.09	25.0925+1.78
33. Head circumference			51.4 - 57.2	54.00+0.13	1.3135+0.09	2.4324+0.17
34. Chest circumference			72.6 - 90.2	81.45+0.39	3.9216+0.27	4.8147+0.34
35. Arm length (without hand)			47.7 - 62.1	56.22+0.30	3.0445+0.21	5.4153+0.38

26. Lower leg length	34.7 - 45.9	38.99±0.26	2.5776±0.18	6.6110±0.47
27. Total leg length	81.1 - 94.0	84.24±0.42	4.1635±0.29	4.9425±0.35
28. Upper arm length	25.7 - 36.0	30.02±0.21	2.1262±0.15	7.0826±0.50
29. Forearm length	15.8 - 28.9	21.86±0.22	2.1962±0.15	10.0469±0.71
30. Pectoral Arm length	61.4 - 83.2	68.61±0.37	3.7538±0.26	5.4712±0.39
31. Irm span	147.2 - 166.8	157.03±0.58	5.7565±0.41	3.6658±0.26
32. Fore fold, at triceps	0.4 - 1.5	0.75±0.02	0.2301±0.01	30.6880±2.19
33. Head circumference	49.8 - 55.6	52.52±0.12	1.2511±0.08	2.3822±0.17
34. Arm length (without hand)	45.8 - 69.7	52.09±0.33	3.3453±0.23	6.4231±0.45

	1	2	3	4	5	6
14. Minimum frontal diameter	9.1 - 11.6	10.52+0.04	0.4528+0.03	4.3044+0.30		
15. Bizygomatic breadth	8.9 - 12.2	10.67+0.08	0.8595+0.06	8.0560+0.57		
16. Biconial diameter	8.5 - 10.6	9.39+0.04	0.4606+0.03	4.9059+0.35		
17. Biacromial-diameter	29.5 - 38.4	32.94+0.33	3.3188+0.23	10.0753+0.71		
18. Morphological facial length	8.1 - 10.7	9.41+0.05	0.5932+0.04	6.3045+0.45		
19. Morphological superior facial length	4.8 - 6.6	5.41+0.07	0.6997+0.04	12.9345+0.92		
20. External orbital breadth	8.1 - 9.9	9.17+0.04	0.4309+0.03	4.6990+0.33		
21. Nasal height	3.1 - 4.8	3.78+0.06	0.6399+0.04	16.8847+1.20		
22. Nasal breadth	2.8 - 3.9	3.29+0.02	0.2441+0.01	7.4463+0.53		
23. Ear length	4.6 - 6.4	5.40+0.03	0.3804+0.02	7.0449+0.50		
24. Ear breadth	2.1 - 3.5	2.97+0.02	0.2897+0.02	9.6572+0.69		
25. Upper leg length	36.1 - 51.2	43.15+0.32	3.2316+0.23	7.4892+0.53		

TABLE NO. 2 B

STATISTICAL CONSTANTS OF INDICES (FEMALES 98).

S.No. Index	Range in cms	Mean±SE	SD±SE	CV±SE
1. Cephalic Index	70.68 - 83.43	75.62±0.27	2.677±0.19	3.540±0.25
2. Length Height	53.76 - 87.93	75.98±0.67	6.6547±0.47	8.7595±0.62
3. Breadth Height	80.29 - 115.90	100.88±0.92	9.1202±0.65	9.0406±0.64
4. Morphological facial	80.18 - 117.77	87.81±0.97	9.6562±0.68	10.9966±0.78
5. Morphological facial Upper	41.80 - 71.91	51.61±0.54	5.4031±0.38	10.4691±0.74
6. Jugo Frontal	83.48 - 117.39	98.93±0.75	7.4785±0.53	7.5594±0.53
7. Jugo Mandibular	75.40 - 114.60	88.48±0.74	7.3648±0.52	8.3237±0.59
8. Biacromial Breadth	20.16 - 24.20	22.08±0.09	0.9643±0.06	4.3674±0.59
9. Total Leg length stature	51.73 - 59.14	55.94±0.17	1.7075±0.12	3.0525±0.21
10. Total arm length stature	40.82 - 55.20	45.57±0.88	8.7998±0.62	19.3105±1.37
11. Nasal	68.05 - 111.76	86.16±0.97	9.6621±0.69	11.2142±0.80
12. Ear	36.20 - 63.26	55.14±0.58	5.8040±0.41	10.5260±0.75

TABLE 2 a STATISTICAL CONSTANTS OF INDICES (MALES. 99)

S.No.	Index	Range	Mean±SE	SD±SE	CV±SE
1.	Cephalic	70.10 - 82.51	72.25±0.30	3.0595±0.21	4.2347±0.30
2.	Length Height	54.94 - 103.35	76.88±0.83	8.3162±0.59	10.8172±0.76
3.	Breadth Height	73.94 - 131.81	102.47±1.08	10.8127±0.76	10.5520±0.74
4.	Morphological facial	78.04 - 120.00	94.03±1.08	10.7873±0.76	11.4722±0.81
5.	Morphological upper facial	41.80 - 67.30	53.57±0.51	5.1215±0.36	9.5962±0.68
6.	Jugo frontal	84.42 - 120.22	97.15±0.74	7.4385±0.52	7.6567±0.54
7.	Jugo Mandibular	76.03 - 111.92	90.06±0.79	7.9221±0.56	8.7965±0.62
8.	Acromial Breadth	20.19 - 24.82	22.67±0.09	0.9830±0.06	4.3364±0.30
9.	Total leg Length stature	49.21 - 57.48	54.11±0.16	1.6904±0.12	3.1241±0.22
10.	Total arm Length stature	41.57 - 49.29	45.81±0.15	1.5046±0.10	3.2846±0.23
11.	Nasal.	70.83 - 122.58	86.03±1.09	10.9379±0.77	12.7141±0.90
12.	Ear	50.72 - 68.85	56.29±0.45	4.5047±0.32	8.0027±0.56
13.	Chest girth	44.84 - 55.20	50.49±0.22	2.2466±0.15	4.4496±0.31

Female and Male Index:

It is seen from the table No 3 that in all measurements the males show higher values than females. Differences of sizeable magnitude are observed in stature^{head length,} maximum bizygomatic breadth, bigonial breadth, nasal length, and total facial length. The difference in head height, head breadth, frontal breadth, nasal breadth, and upper facial length are relatively low.

STATURE:

The mean stature of the male Konda Reddi is 161.37 ± 0.59 cms while the mean stature of the female Konda Reddi is 150.05 ± 0.54 cms with the maximum and minimum varying between 178.6 and 149.3 cms for males and 161.5 and 142.9 cms for females respectively. The male Konda Reddy are therefore 11.32 cms taller than the females.

FEMALE/MALE INDEX:

TABLE NO. - 3.

S.NO.	Measurements (cms)	Males	Females	F/M. Index
1.	Stature	161.37	150.05	0.93
2.	Head Height	13.87	13.22	0.95
3.	Max.head length	18.08	17.21	0.95
4.	Max.head breadth	13.59	13.16	0.97
5.	Min.frontal breadth	10.81	10.52	0.97
6.	Max. Bizygomatic Breadth	11.19	10.67	0.95
7.	Orbital Breadth	10.01	9.39	0.94
8.	Nasal length	4.25	3.78	0.89
9.	Nasal Breadth	3.62	3.29	0.91
10.	Upper facial length	5.98	5.41	0.90
11.	Total facial length	10.41	9.41	0.90

TABLE : 3 a.

CLASSIFICATION OF HEIGHT MEASUREMENTS (M.M.S.)
59.

Classification	Range in cm.	No.	%
Pygmies.	Under 129.9	-	-
Very short	130.0 -149.9	2	2.02
Short	150.0 -159.9	40	40.40
Lower Medium	160.0 -163.9	28	28.28
Medium	164.0 -166.9	14	14.14
Upper Medium	167.0 -169.9	9	9.09
Tall	170.0 -179.9	6	6.06
Very Tall	180.0 -199.9	-	-
Giants	200.0 and above	-	-

TABLE 3 B.

CLASSIFICATION OF HEIGHT MEASUREMENTS (FEMALES .98).

Classification	Range in cms.	No.	%
Extremity	Under. 120.9	-	-
Very short	121.0 - 139.9	4	4.08
Short	140.0 - 148.9	32	32.65
Lower Medium	149.0 - 152.9	35	35.71
Medium	153.0 - 155.9	11	11.22
Upper Medium	156.0 - 158.9	7	7.14
Tall	159.0 - 167.9	9	9.18
Very Tall	168.0 - 186.9	-	-
Giants	187.0 - and above.		

It is observed that majority of the Konda Reddis are short in stature among males and lower medium among females, and the percentages being 40.40 and 35.71 respectively. The percentage frequency of very short people is 2.02 among males and 4.08 among females. Short people are 40.40% among the males and 32.65% among the females. The medium people further classified show lower medium 28.28% for males and 35.71% for females. The medium people further, classified show lower medium 28.28% for males and 35.71% for females. Medium stature people are 14.14% among males and 11.22% among females while upper medium stature is observed in 9.09% of males and 7.14% of females. Tall stature is 6.08% among males and 9.18% among females.

SITTING HEIGHT:

The mean sitting height in the case of males is 80.12 \pm 0.35 cms with a varying range between 73.6 - 89.0 cms, and in the case of females it is 76.22 \pm 0.29 cms with the range varying between 70.7 - 85.7 cms.

The male Konda Reddy fall in the low and below medium range with a frequency of 49.49% and 39.39% respectively. Only 11.11% of them fall in the medium range.

Most of the female Kond Reddys are of low and below medium ranges with a requency of 25.51% and 32.65% respectively. Medium range occurs with a frequency of 18.37, above medium with 7.14% and tall with 16.33%. Thus the females show a higher percentage of medium and tall ranges.

TABLE No. 4 a
CLASSIFICATION OF SITTING HEIGHT: (ACCORDING TO
MARTIN) (MALES. 99).

Classification	Range in cms.	No.	%
Low	75.0 - 79.9	49	49.49
Below Medium	80.0 - 84.9	39	39.39
Medium.	85.0 - 89.9	11	11.11
Above Medium	90.0 - 94.9	-	-
Tall	95.0 and above	-	-

TABLE No. 4 b
CLASSIFICATION OF SITTING HEIGHT (ACCORDING TO
MARTIN) (FEMALES. 98).

Classification	Range in cms.	No.	%
Low	71.0 - 74.4	25	25.51
Below Medium	74.5 - 76.4	32	32.65
Medium	76.5 - 77.9	18	18.37
Above Medium	78.0 - 79.4	7	7.14
Tall	79.5 and above	16	16.33

The mean cephalic index of the male and female Konda Reddy is 72.25 ± 0.30 and 75.62 ± 0.27 respectively (table No 2a and 2b) the range varying between 70.10 - 82.51 for males and 70.68 - 83.43 for females. Table Nos. 5 a and 5 b shows that 58.59% of the males and 68.37% of the females are dolichocephalic with a small percentage of hyperdolichocephalic, 6.06% among males and 8.16% among females. 28.28% males and 22.45% females are mesocephalic, while the brachycephalic element is slightly higher than hyper-dolico cephalic in males (7.07%) while it is very low in females (1.02%) The females show a relatively higher percentage of dolichocephals than the males.

The mean head length of the male Konda Reddy is 18.08 ± 0.05 cms with a varying range between 16.20 - 19.20, while the same for females is 17.21 ± 0.15 cms with the range varying between 16.30 - 18.60 cms. The mean head breadth for males is 13.59 ± 0.04 cms with the maximum of 15.10 cms and minimum of 11.90 cms. The mean female head breadth 13.16 ± 0.04 cms, with the varying range between 12.20 - 13.90 cms.

The head length classified according to Leibzetter and Saller, reveal that both the male (55.56%) and female (41.84%) Konda Reddys are predominantly of medium head length. Short head length people are 25.25% among males and 22.45% among females, that of the long head length females show higher percentage (32.65%) than the males (16.16%). The very short head lengths are not in females while in males it show 3.03% while very long head lengths are not in males and it shows 3.06% in females.

TABLE NO. 5 a
CLASSIFICATION OF CEPHALIC INDEX (ACCORDING TO
SALLER). (MALES. 99).

Classification	Range	No.	%
Hyper dolichocephalic	x - 70.9	6	6.06
Dolichocephalic	71.0 - 75.9	58	58.59
Mesocephalic	76.0 - 80.9	28	28.28
Brachycephalic	81.0 - 85.4	7	7.07
Hyper Brachycephalic	85.5 - 90.9	-	-
Ultra Brachycephalic	91.0 - x	-	-

TABLE No. 5 b
CLASSIFICATION OF CEPHALIC INDEX (ACCORDING TO
SALLER) (FEMALES. 98).

Classification	Range	No.	%
Hyper Dolichocephalic	x - 71.9	8	8.16
Dolichocephalic	72.0 - 76.9	67	68.37
Mesocephalic	77.0 - 81.9	22	22.45
Brachycephalic	82.0 - 86.4	1	1.02
Hyper Brachycephalic	86.5 - 91.9	-	-
Ultra Brachycephalic	92.0 - x	-	-

TABLE No. 6 a
CLASSIFICATION OF HEAD HEIGHT (ACCORDING TO
LEB ZETTER AND SALLER) (MALES, 59).

Classification	Range in cms.	No.	%
Very short	x - 16.9	3	3.03
Short	17.0 - 17.7	25	25.25
Medium	17.8 - 18.5	55	55.56
Long	18.6 - 19.3	16	16.16
Very long	19.4 - x	-	-

TABLE No. 6 b.
CLASSIFICATION OF HEAD LENGTH (ACCORDING TO
LEB ZETTER AND SALLER) (FEMALES, 98)

Classification	Range in cms.	No.	%
Very short	x - 16.1	-	-
Short	16.2 - 16.9	22	22.45
Medium	17.0 - 17.6	41	41.84
Long	17.7 - 18.4	32	32.65
Very long	18.5 - x	3	3.06

HEAD BREADTH:

The classification of head breadth according to Lebzetter and Saller, show that head breadth of both male (79.79%) and female (74.49%) Konda Reddys are very narrow, followed by narrow type (20.20%) for males (25.51%) for females. Medium breadth occurs in only males with very very low percentage i.e 1.01%

HEIGHT TRACION:

The mean tracion height among the males is 147.54 ± 0.61 cms, with the maximum of 165.0 cms. and minimum of 135.4 cms and in the case of females it is 137.46 ± 0.51 cms with a range varying between 125.2 - 151.7 cms. The male tracion height is 10.08 cms longer than that of female.

The classification of length height index among the male and female Konda Reddys reveal that they are predominantly hypsiccephalic, the percentages being 95.96 for males and 95.92 for females.

The mean breadth height index among the males is 102.47 ± 1.08 with a varying range between 73.94 - 131.81 and in the case of females it is 100.8 ± 0.92 with the range varying between 80.29 - 115.90

Mean auricular height of the males 13.87 ± 0.14 cms ranging between 10.00-13.5 cms and of the females 13.32 ± 0.11 cms. ranging between 10.0-15.3 cms. Thus the male head appears to be 0.55 cms higher than that of females (Table No.9)

TABLE 7 a.
CLASSIFICATION OF HEAD BREADTH
(ACCORDING TO LE. BELT R. AND SALLER)
MALES, 99

Classification	Range in cms.	No.	%
Very narrow	x - 13.9	79	79.79
Narrow	14.0 - 14.7	20	20.20
Medium	14.8 - 15.5	1	1.01
Broad	15.6 - 16.3	-	-
Very broad	16.4 - x	-	-

TABLE No. 7 b
CLASSIFICATION OF HEAD BREADTH
(ACCORDING TO LE BELT R. AND SALLER)
(FEMALES, 98).

Classification	Range in cms.	No.	%
Very narrow	x - 13.4	73	74.49
Narrow	13.5 - 14.1	25	25.51
Medium	14.2 - 14.9	-	-
Broad	15.0 - 15.7	-	-
Very broad	15.8 - x	-	-

TABLE No. 8 a.
CLASSIFICATION OF LENGTH HEIGHT INDEX MALES (99)
(ACCORDING TO SALLER).

Classification	Range in cms.	No.	%
Chamae cephalic	x - 57.9	3	3.03
Ortho cephalic	58.0 - 62.9	1	1.07
Hypsi cephalic	63.0 - x	95	95.96

TABLE No. 8 b.

CLASSIFICATION OF LENGTH HEIGHT INDEX
OF FEMALES (93)
(ACCORDING TO SALLER).

Classification	Range in cms.	No.	%
Chamae cephalic	x - 57.9	1	1.02
Ortho cephalic	58.0 - 62.9	3	3.06
Hypsi cephalic	63.0 - x	94	95.92

TABLE No. 9

CLASSIFICATION OF AURICULAR HEIGHT MALES.99.

Classification	Range in cms.	No.	%
Low	11.0 - 11.7	6	6.06
Medium	11.8 - 12.5	7	7.07
High	12.6 - 13.6	86	86.86

TABLE No. 10 a

CLASSIFICATION OF LENGTH BREADTH INDEX
(ACCORDING TO MARTIN AND SALLER) (MALES. 99).

Classification	Range in cms.	No.	%
Tapeino cephalic	x = 78.9	3	3.03
Metrio cephalic	79.0 - 84.9	1	1.01
Aero cephalic	85.0 - x	95	95.96

TABLE NO. 10 b

CLASSIFICATION OF LENGTH BREADTH INDEX
(ACCORDING TO MARTIN AND SALLER) (FEMALES 98.).

Classification	Range in cms.	No.	%
Tapeino cephalic	x = 78.9	2	2.04
Metrio cephalic	79.0 - 84.9	3	3.06
Aero cephalic	85.0 - x	93	94.90

The male and female Konda Reddys have and 94.90% predominately acrocephalic heads (95.96%) metric cephalic occurs in 1.01% among males and 3.06% among females and Tapeinocephalic was found 3.03% among males and 2.04% among females.

TOTAL FACE INDEX:

Captions:

The mean total face index for the male Konda Reddy is 94.03 ± 1.08 with a varying range between 78.04 - 120.00, while the same for the females is 87.81 ± 0.97 with the maximum of 117.77 and the minimum of 80.18.

TABLE No. 11 a

CLASSIFICATION OF MORPHOLOGICAL FACIAL INDEX
(ACCORDING TO MARTIN AND SALLER) (MILES. 99).

Classification	Range in cms	No.	%
Hyper Euryprosopic	x - 78.9	3	3.03
Eury prosopic	79.0 - 83.9	14	14.14
Meso prosopic	84.0 - 87.9	15	15.15
Lepto prosopic	88.0 - 92.9	18	18.18
Hyper lepto prosopic	93.0 - x	49	49.49

TABLE No. 11 b

CLASSIFICATION OF MORPHOLOGICAL FACIAL INDEX
(ACCORDING TO MARTIN AND SALLER)
(FEMALES . 98).

Classification	Range in cms.	No.	%
Hyper Euryprosopic	x - 76.9	7	7.14
Eury prosopic	77.0 - 80.9	15	15.31
Meso prosopic	81.0 - 84.9	11	11.22
Lepto prosopic	85.0 - 89.9	24	24.49
Hyper lepto prosopic.	90.0 - x	41	41.84

According to Martin and Saller's classification the majority of Konda Reddys fall in the hyper leptoprosopic, the percentages being 49.49 for males and 41.84 for females. 18.18% of males belong to Leptoprosopic while females show a higher percentage of 24.49. Mesoprosopic element occurs in 11.22% of females and in 15.15% of males. Europrosopic element occurs in 14.14% among males and 15.31% among females, while hyper utroprosopic element occurs in 3.03% among males and with a higher percentage 7.14% among females.

The mean total facial height is 10.41 ± 0.06 cms with a range varying between 9.1 - 11.8 cms, while the same in females show 9.41 ± 0.05 cms with a range between 8.1 - 10.7 cms.

The male and female Konda Reddys predominantly show very low facial height (80.81% males and 88.78% females) 18.18% of the males and 11.22% of the females show low facial heights; while medium facial height is only 1.01% among males and it is not occurred in females.

TABLE No. 12 a

CLASSIFICATION OF MORPHOLOGICAL FACIAL HEIGHT
(ACCORDING TO LEBZELTER AND SALLER) MALES . 99.

Classification	Range in cms.	No.	%
Very low	x - 11.1	80	80.81
Low	11.2 - 11.7	18	18.18
Medium	11.8 - 12.3	1	1.01
High	12.4 - 12.9	-	-
Very high	13.0 - x	-	-

TABLE NO. 12 b

CLASSIFICATION OF MORPHOLOGICAL FACIAL HEIGHT
(ACCORDING TO LEBZELTER AND SALLER)
FEMALES . 98.

Classification	Range in cms	No.	%
Very low	x - 10.2	87	88.78
Low	10.3 - 10.7	11	11.22
Medium	10.8 - 11.3	-	-
High	11.4 - 11.9	-	-
Very high	12.0 - x	-	-

UPPER FACIAL INDEX:

The mean upper facial index for the male Konda Reddy is 53.57 ± 0.51 with the maximum of 67.30 and minimum of 41.80; while in the case of females it is 51.61 ± 0.54 with a range varying between 41.80 - 71.91.

TABLE NO. 13 a
CLASSIFICATION OF MOR. SUP. FACIAL INDEX
(ACCORDING TO MARTIN AND SALLER) (MALES 99.)

Classification	Range in cms	No.	%
Hyper euryen.	x - 42.9	2	2.02
Eurye ⁿ .	43.0 - 47.9	11	11.11
Diuesen.	48.0 - 52.9	33	33.33
Lepte ⁿ	53.0 - 56.9	31	31.31
Hyper Lepte ⁿ	57.0 - x	22	22.22

TABLE No. 13 b
CLASSIFICATION OF MOR. SUP. FACIAL INDEX.
(ACCORDING TO MARTIN AND SALLER)
(FEMALES . 98).

Classification	Range in cms	No.	%
Hyper eurye ⁿ	x - 40.9	1	1.02
Eurye ⁿ	41.0 - 45.9	13	13.27
Mese ⁿ	46.0 - 50.9	33	33.67
Lepte ⁿ	51.0 - 54.9	29	29.59
Hyper lepte ⁿ	55.0 - x	22	22.45

It is observed that 33.33% of the males and 33.67% of the females are mesen, followed by 31.31% of males and 29.59% belongs to lepten; 22.22% of males and 22.45% of females to hyper lepten 11.11% of males and 13.27% of females to eurven and 2.02% of males and 1.02% of females to hyper eurven.

The mean upper facial height of the males is 5.98 ± 0.04 cms with a range varying from 5.1 - 7.2 cms; while in females the same occurs in 5.41 ± 0.07 cms with a range between 4.8. - 6.6 cms.

The mean bizygomatic breadth for the males is 11.19 ± 0.08 cms with a range varying between 8.9 - 12.7 cms; while the same for females is 10.67 ± 0.08 with the maximum of 12.2 cms and minimum of 8.9 cms

JUGO FRONTAL INDEX:

The Jugo frontal index among the males is 97.15 ± 0.74 with a range varying between 84.42 - 120.22; while the same for females is 98.93 ± 0.75 with a range between 83.48 to 117.39.

TABLE No. 14 a
CLASSIFICATION OF JUGO-FRONTAL INDEX
(ACCORDING TO LUNDBERG AND SALLER) MALES. 99

Classification	Range in cms.	No.	%
Very narrow	x - 69.9	-	-
Narrow	70.0 - 74.9	-	-
Medium	75.0 - 79.9	-	-
Broad	80.0 - 84.9	-	-
Very broad	85.0 - x	1	1.01
		98	98.98

TABLE NO. 14 b
CLASSIFICATION OF JUGO FRONTAL INDEX
(ACCORDING TO LUNDBERG AND SALLER)
(66 MALES . 98).

Classification	Range in cms	No.	%
Very narrow	x - 71.9	-	-
Narrow	72.0 - 76.9	-	-
Medium	77.0 - 81.9	-	-
Broad	82.0 - 86.9	3	3.06
Very broad	87.0 - x	95	96.94

According to Lundberg and Saller the classification of Jugo frontal index for both male and female Konda Reddys falls predominantly under very broad category with percentages 98.98 and 96.94 respectively. The percentages of broad category occurs in 1.01 and 3.06 respectively for males and females.

The mean minimum frontal breadth of male is 10.81 ± 0.05 cms with a range varying between 9.1 - 12.7 cms while in females it is 10.52 ± 0.04 cms with a range from 9.1 to 11.6 cms.

TABLE NO. 15

CLASSIFICATION MIN. FRONTAL BREADTH

(TABLES. 99)

Classification	Range in cms	No.	
Narrow	Below 9.4	1	1.01
Below Medium	9.5 - 9.9	3	3.03
Medium	10.0 - 10.4	20	20.20
Above Medium	10.5 - 10.9	37	37.37
Broad	11.0 and above	38	38.38

Among male Konda Reddys broad and above medium types of minimum frontal breadth occur in 38.38% and 37.37% respectively. While medium shows in 20.20% below medium in 3.03% and narrow 1.01%

BIZYGOMATIC ARCH

The tables 16a and 16b reveals that both male and female Konda Reddys have predominantly very narrow (100.00% males and 94.89% females) bizygomatic arch; while narrow type occurs in 5.11% only in females.

JUGO MANDIBULAR INDEX:

The mean Jugo mandibular index for males is 90.06 ± 0.79 with a range varying between 76.03 - 111.92, while the same for females is 88.48 ± 0.74 with a range between 75.40 - 114.60

TABLE No. 16 a.

CLASSIFICATION OF BILYGNATHIC ARCH. (Males. 99).

Classification	Range in cms	No.	%
Very narrow	x - 12.7	99	100.00
Narrow	12.8 - 13.5	-	-
Medium	13.6 - 14.3	-	-
Broad	14.4 - 15.1	-	-
Very broad	15.2 - x	-	-

TABLE No. 16 b.

CLASSIFICATION BILYGNATHIC ARCH (FEMALES. 98).

Classification	Range in cms	No.	%
Very narrow	x - 12.0	93	94.89
Narrow	12.1 - 12.7	5	5.11
Medium	12.8 - 13.5	-	-
Broad	13.6 - 14.2	-	-
Very broad	14.3 - x	-	-

TABLE NO. 17 a

CLASSIFICATION OF JUGO-MAUDIBULAR INDEX
(ACCORDING TO LUNDBORG AND SALLER) (MALES, 99)

Classification	Range in cms	No.	%
Very narrow	x - 69.9	-	-
Narrow	70.0 - 74.9	1	1.01
Medium	75.0 - 79.9	8	8.08
Broad	80.0 - 84.9	19	19.19
Very broad	85.0 - x	70	70.70

TABLE NO. 17 b.

CLASSIFICATION OF JUGO MAUDIBULAR INDEX
(ACCORDING TO LUNDBORG AND SALLER) (FEMALES, 98)

Classification	Range in cms	No.	%
Very narrow	x - 67.9	-	-
Narrow	68.0 - 72.9	-	-
Medium	73.0 - 77.9	4	4.08
Broad	78.0 - 82.9	18	18.36
Very broad	83.0 - x	76	77.55

It is observed from the table that both male and female Konda Reddys predominantly falls under very broad type of jugomandibular index (70.70% males and 77.55%) followed by broad type with percentages 19.19 for the males and 18.36 for females and medium type with percentages 8.08 for males and 4.08% for females, and narrow type occurs only in males with a percentage of 1.01.

The mean Bigonial breadth among the males is 10.01 ± 0.05 cms with a range varying between 8.8 - 11.7 cms while the same for females, it is 9.39 ± 0.04 cms with a range varying from 8.5 - 10.6 cms.

NASAL INDEX:

The mean nasal index for the male Konda Reddys is 86.03 ± 1.09 with a range varying between 70.83 - 122.58; while for the females, it is $86.16 \pm$ with a range 68.05 - 111.76.

The classification of nasal index according to Martin and Saller for male and female Konda Reddys is presented in table Nos. 18 a and 18b. It is observed from the table that majority of the male and female Konda Reddys belong to Mesorhine noses with percentages 50.50 and 46.93 respectively, followed by Chamerhine noses with frequencies of 32.32 and 39.79 hyper chamerhine noses with percentages of 13.13 and 8.16 and the leptorhine noses occurs in 4.44% for males and 5.10% for females.

The mean nasal height of the male Konda Reddy is 4.25 ± 0.04 cms with a range varying from 3.1 to 4.9 cms, while the same for females, it is 3.78 ± 0.06 cms with a maximum of 4.8 cms and ~~and~~ minimum of 3.1 cms.

EAR INDEX:

The mean ear index among the male and female Konda Reddy are 56.29 ± 0.45 and 55.14 ± 0.58 respectively with a range varying between 50.72 - 68.85 and 36.20 - 63.26

HIGHT ACROMIAL:

The mean acromial height among the males is 132.48 ± 0.51 cms with the range varying between 122.1-145.4 cms. In the case of females it is 123.10 ± 0.52 cms with the maximum of 136.6 cms and minimum of 128.5 cms.

RELATIVE BIACROMIAL BREADTH INDEX

The mean biacromial breadth index in the case of the male is 22.67 ± 0.09 with a varying range between 20.19 - 24.82 and in the case of females it is 22.08 ± 0.09 with the maximum of 24.20 and minimum of 20.16.

TABLE NO. 18 a.

CLASSIFICATION OF NASAL INDEX
(ACCORDING TO MARTIN AND SALLER) (MALES. 99.)

Classification	Range in cms	No.	%
Hyper leptorhine	x - 54.9	-	-
Leptorhine	55.0 - 69.9	4	4.44
Mesorhine	70.0 - 84.9	50	50.50
Chamerhine	85.0 - 99.9	32	32.32
Hyper chamerhine	100.0 - x	13	13.13

TABLE NO. 18 b.

CLASSIFICATION OF NASAL INDEX.
(ACCORDING TO MARTIN AND SALLER) (FEMALES. 98.)

Classification	Range in cms	No.	%
Hyper leptorhine	x - 54.9	-	-
Leptorhine	55.0 - 69.9	5	5.10
Mesorhine	70.0 - 84.9	46	46.93
Chamerhine	85.0 - 99.9	39	39.79
Hyper chamerhine	100.0 - x	8	8.16

TABLE NO. 19 a

CLASSIFICATION OF RELATIVE BIACROMIAL BREADTH
INDEX
(ACCORDING TO BRUGGER) (MILES, 1939).

Classification	Range in cms	No.	%
Narrow shoulder	x - 22.0	25	25.25
Medium shoulder	22.1 - 23.0	42	42.42
Broad shoulder	23.1 - x	32	32.32

TABLE NO. 19 b

CLASSIFICATION OF RELATIVE BIACROMIAL BREADTH
INDEX
(ACCORDING TO BRUGGER) (MILES, 1939).

Classification	Range in cms	No.	%
Narrow shoulder	x - 21.5	29	29.59
Medium shoulder	21.6 - 22.5	37	37.75
Broad shoulder	22.6 - x	32	32.65

It is observed from the table that both male and female Konda Reddy, predominantly belongs to medium shouldered type with percentages 42.42 and 37.75 respectively, followed by broad shouldered (32.32% for males and 32.65% for females) and narrow shouldered 25.25% for male and 29.59% for females.

The mean biacromial breadth in the case of the males is 36.60 ± 0.21 cms with a maximum of 42.2 cms and minimum of 31.2 cms while for females it is 32.94 ± 0.33 cms with a range varying between 29.5 - 38.4 cms

HEIGHT RADIALE:

The mean radial height is 100.28 ± 0.43 cms with a maximum of 110.9 cms, and minimum of 92.5 cms for males and it is 93.03 ± 0.42 cms with a range varying between 81.6 - 101.6 cms for females.

HEIGHT STYLION:

The mean stylium height for males is 76.08 ± 0.36 cms with a range varying between 69.4 - 88.4 cms while the same for females, it is 71.01 ± 0.40 cms with a maximum of 80.7 cms and minimum of 54.2 cms.

HEIGHT DACTYLION:

The mean dactylionic height in the males is 58.40 ± 0.34 cms with a maximum of 67.6 cms and minimum of 50.2 cms, while for females it is 54.51 ± 0.40 cms with a range varying between 40.7 - 63.3 cms.

ARM SPAN:

The mean arm span of the male Konda Reddy is 168.99 ± 0.64 cms with the range varying between 155.4 - 180.1 cms and of the females, it is 157.03 ± 0.58 cms with the range varying between 147.2 - 166.8 cms.

The lower leg length in the male Konda Reddy is 41.16 ± 0.27 cms with a range varying between 35.2 - 49.9 cms, while in females it shows 38.99 ± 0.26 cms with a maximum of 45.9 cms and minimum of 34.7 cms.

HEIGHT ILIOSPINALE:

The height iliospinale in the case of males is 90.46 ± 0.49 cms with the range varying between 82.2 - 102.7 cms and in the females it is 86.74 ± 0.44 cms with the maximum of 97.0 cms and minimum of 81.6 cms.

HEIGHT TIBIALE:

The mean height tibiale among the males is 46.12 ± 0.28 cms with the maximum of 55.1 cms and minimum of 41.2 cms, while in females it shows 43.79 ± 0.25 cms with a range varying between 38.2 - 50.0 cms.

HEIGHT SPHERION:

The mean height spherion among the males is 4.95 ± 0.04 cms with a range varying between 3.9 - 6.6 cms while the same for females, is 4.80 ± 0.04 cms with the maximum of 6.8 cms and minimum of 4.2 cms.

FAT FOLD THICKNESS AT TRICEPS:

The mean fat fold thickness for males is 0.54 ± 0.01 cms with the range varying between 0.3 - 0.9 cms while for females it is 0.75 ± 0.02 cms with a range varying between 0.4 - 1.5 cms.

HEAD CIRCUMFERENCE:

The mean head circumference for males is 54.0 ± 0.13 cms with maximum of 57.2 cms and minimum of 51.4 cms while for females it is 52.52 ± 0.12 cms with a range varying between 49.8 - 55.6 cms.

CHEST CIRCUMFERENCE:

The mean chest circumference for male Konda Reddys is 81.45 ± 0.39 cms with a range varying between 72.6 - 90.2 cms.

TOTAL ARM LENGTH STATURE:

The majority of the male and female Konda Reddys are long armed with percentages 78.78 and 76.53 respectively, followed by medium armed (12.12%) in the case of males and short armed (18.36%) in the case of females. Short arm occurs in 9.09% in males and medium arm occurs in 5.10% in females (Tables 20a and 20b)

The mean total arm length is 73.92 ± 0.34 cms for males with a range varying from 61.9 - 80.8 cms, while for females it is 68.61 ± 0.37 cms with a maximum of 82.2 cms and minimum of 61.4 cms.

The mean upper arm length for males is 32.12 ± 0.22 cms with a varying range between 21.6-37.7cms and for females it is 30.02 ± 0.21 with a maximum of 36.0 cms and minimum of 25.7 cms.

The mean lower arm length for males is 24.08 ± 0.24 and with range varying between 16.4 - 29.9. cms while the same for females, it is 21.86 ± 0.72 cms with a maximum of 28.9 cms and minimum of 15.8 cms.

TOTAL LEG LENGTH STATURE:

The mean total leg length for males is 87.32 ± 0.41 cms with a range varying between 81.2 - 97.8 cms while for females it is 84.24 ± 0.42 cms with a range varying between 81.1 - 94.0 cms.

The mean total leg length stature index for male Konda Reddys is 54.11 ± 0.16 with a range varying between 49.21 - 57.48 while for females it is 55.94 ± 0.17 with a range between 51.73 - 59.14 cms.

The total leg length stature index for males and female Konda Reddys are given in table nos 21 a and 21 b. It is observed from the table that long legged occurs in 53.53% for males and 78.57% for females, followed by short legged the percentages being 31.31% for males and 18.26% for females. The modium legged occurs in 15.15% in males and 8.16% in females.

TABLE NO. 20 a.

TOTAL ARM LENGTH STATURE INDEX
(ACCORDING TO BRUNESCH) (MALES 19).

Classification	Range in cms	No.	%
Short arm	x - 44.0	9	9.09
Medium arm	44.1 - 44.5	12	12.12
Long arm	44.6 - x	78	78.78

TABLE NO. 20 b

TOTAL ARM LENGTH STATURE INDEX
(ACCORDING TO BRUNESCH) (FEMALES 98).

Classification	Range in cms	No.	%
Short arm	x - 43.5	18	18.36
Medium arm	43.6 - 44.0	5	5.10
Long arm	44.1 - x	75	76.53

TABLE NO. 21 a

CLASSIFICATION OF TOTAL LEG LENGTH STATURE INDEX
(ACCORDING TO BREUSSER) (MALES. 99).

Classification	Range in cms.	No.	%
Short legged	x - 53.5	31	31.31
Medium legged	53.6 - 54.0	15	15.15
Long legged	54.1 - x	53	53.53

TABLE NO. 21 b

CLASSIFICATION OF TOTAL LEG LENGTH STATURE INDEX
(ACCORDING TO BREUSSER) (FEMALES. 90).

Classification	Range in cms.	No.	%
Short legged	x - 54.0	13	13.26
Medium legged	54.1 - 54.5	0	0.16
Long legged	54.6 - x	77	78.57

The mean upper leg length among the males is 44.54 ± 0.36 cms with a range varying from 35.8 - 54.5 cms while for females it shows 43.15 ± 0.32 cms with a maximum of 57.2 cms and minimum of 36.1 cms.

"t" "Values between Konda Reddys and other Indian populations including some caste groups of Andhra Pradesh for mean stature, cephalic Index, nasal index and facial index of males is presented in table No 23 and the same for females is presented in table No 24.

TABLE NO. 22
 COMPARISON BETWEEN KONDA REDDYS AND OTHER INDIAN TRIBES
 MEAN STATURE AND INDICES (MALES).

Population	Author	No.	Stature	Cephalic Index	Nasal Index	Facial Index
Santal	Chattarjee, B.K. Kumar G.D. 1952	100	160.478	75.09	78.51	85.83
Bhil	Bharghava, I. Kher, G.A. 1960	100	160.09	76.98	76.48	88.37
Khond	Ray, G.S. 1949	100	159.960	73.57	77.13	86.13
Nayadi	Aiyappan A. 1937	62	159.74	-	-	-
Gonds	Majumdar D.N. 1940	50	158.74	-	-	-
Maler (Plain)	Sarkar, S.S. 1936	54	158.18	74.65	84.62	84.61
Mundo	Basu P.C. 1933	250	158.152	74.34	-	84.90
Munda	-do- Un published	215	-	-	83.29	-
Gadaba	Majumdar, D.N. 1941	52	158.040	-	-	-
Jiang	Ray, A.K. 1958	160	157.57	75.29	89.96	81.34
Soara	Majumdar, D.N. 1950	100	157.28	74.50	85.20	95.30

TABLE NO. 23
t VALUES BETWEEN KONDA REDDYS AND OTHER INDIAN POPULATIONS
FOR MEAN STATURE (MALES).

Population	No.	Mean	SE	t Value	Author
Santal	100	160.478	0.679	0.9922	Chattarjee, B.K. Kumar, G.D. 1952
Bhil	100	160.090	0.53	1.6141	Bharghva, I. and Kher, S.A. 1960
Khond	100	159.960	0.37	2.0246	Ray, G.S. 1949.
Mayadi	62	159.74	0.44	2.2146	Aiyappa, A. 1937
Gonds	50	158.74	0.74	2.7789	Majumdar, DN. 1940
Maler Plain	54	158.18	0.46	4.2641	Sarkar S.S. 1936
Munda	250	158.152	0.204	5.1553	Basu, P.C. 1933
Gadaba	52	158.040	0.81	3.3233	Majumdar, D.N. 1941
Juang	116	157.57	0.64	4.3658	Ray, A.K. 1958
Soara	100	157.28	0.37	4.6989	Majumdar DN. 1950
Hill Maler	189	156.64	0.255	6.7920	Sarkar S.S. 1935-36.

	1	2	3	4	5	6	7
Hill Maller	Sarher, S.S. 1936	189	156.64	74.54	84.30	83.74	
Kadar	Ray, G.S. et. al, 1959	42	155.75	74.32	83.19	87.71	
Mala Pantaram	Chattarjee B.K. & Kumar G.D. 1957	37	155.50	77.09	71.96	86.28	
Lirali	" 1956	125	154.412	72.09	76.23	110.29	
Kannikar	" 1952	140	153.173	74.26	80.11	85.35	
Andhra Pradesh							
Kolams	D.R. Pratab etal 1976	144	161.26	75.52	85.10	86.74	
Telugu	Guha, B.S. 1933	50	164.59	74.39	73.70	87.30	
Brahmins	" "	X	165.08	74.27	74.93	-	
Komatia	" "						
Chenchus	" "	23	164.95	72.89	81.38	85.26	
Lambada	Gupta & Basu R.C. 1962	102	164.86	78.25	70.88	84.88	
Mediga---	" 1960	102	161.95	77.36	73.75	82.97	
Konda Reddy	Present study 1980	99	161.37	72.25	86.03	94.03	

Contd.: CEPHALIC INDEX. (Males).

Population	No.	Mean	SE	t Value	Author
Mala Pantaram	37	77.09	0.60	7.2152	Chatterjee B.K. and Kumar G.D. 1957
Bhil	100	76.98	0.35	10.2625	Bharghava I. and Kher, G.A. 1960
Juang	116	75.29	0.36	6.5957	Ray A.K. 1958
Santal	100	75.09	0.31	6.5847	Chatterjee, B.K. and Kumar G.D. 1952
Maler plain	54	74.65	0.29	5.7526	Sarkar S.S. 1936(UP)
Soera	100	74.50	0.28	5.4837	Majumdar D.N. 1950
Hill Maler	189	74.54	0.13	7.0052	Sarkar S.S. 1936 (UP)
Munda	250	74.34	0.12	6.4685	Basu. P. C. 1933 (UP)
Kader	42	74.32	0.51	3.4989	Ray, G.S. et al. 1959
Kannikar	140	74.26	0.31	4.6603	Chatterjee, B.K. and Kumar G.D. 1952
Nayadi	62	73.73	0.23	3.9153	Aiyappan, A. 1937
Khond	100	73.57	0.18	3.7735	Ray, G.S. 1949.

1.	2.	3.	4.	5.	6.
Kadar	42	155.75	0.64	6.4568	Ray G.S. et al. 1959.
Mar'a pantaram	37	155.50	0.927	5.3421	Chattarjee, B.K. and Kumar G.D. 1957
Tirali	125	154.452	0.618	8.0969	" 1956
Karnikar	140	153.173	0.427	14.2549	" 1952
Andhra Pradesh					
Telugu Brahmin	50	164.59	0.467	4.2796	Guha 1933.
Komatia	x	165.08	0.598	4.4166	"
Chenchus	23	164.95	0.923	3.2682	"
Lambadi	102	164.86	0.553	4.3161	Gupta, B.C. and Basu, A. 1962.
Madiga	102	161.95	0.606	0.6858	" 1963
Kolams	133	161.26	0.56	0.1352	D.F. Pratap et al 1976.
Valmiki	109	151.731	0.5391	12.0608	Aruna, T. 1971-72.

Contd.:::

NASAL INDEX MALES.

Population	No.	Mean	SE	t Value	Author
Juans	116	89.96	0.77	2.9449	Ray, A.K. 1958
Nayali	62	85.68	0.55	0.2866	Aiyappan.A, 1937.
Soara	100	85.20	0.47	0.6992	Majumdar D.N. 1950
Maler Plain	54	84.62	0.63	1.1200	Sarkar, S.S. 1936 (UP)
Hill Maler	189	84.30	0.43	1.4764	-do-
Munda	215	83.29	0.30	2.4237	Basu, P.C. 1933 (UP)
Kadar	42	83.19	0.86	2.0455	Ray, G.S.etal 1959.
Kanniker	140	80.11	0.65	4.6650	Chattarjee, B.K. and Kumar G.D. 1952.
Santal	100	78.51	0.27	6.6969	-do-
Khond	100	77.13	0.53	7.3452	Ray G.S. 1949
Bhil	100	76.48	0.94	6.6351	Bharghava I. and Kher G.A. 1960.

1	2	3	4	5	6
Tirali	125	72.09	0.22	0.4301	Chattarjee, B. K. and Kumar, G. D. 1956.
Andhra Pradesh					
Relugu Brahmia	50	74.39	0.34	4.7198	Guha, B. S. 1933
Komati	x	74.27	0.34	4.4552	-do-
Chenchu	23	72.89	0.53	1.0509	-do-
Lambadi	102	78.25	0.36	12.8040	Basu, A. 1962
Madiga	102	77.36	0.30	12.0462	-do- 1960
Kctms	153	75.52	0.28	7.9697	Pratap, D. R. et al 1976.
Valmiki	109	72.15	0.317	0.2291	Aruna T. 1971-72.

Contd..

FAICIAL INDEX (MATES)

Population	No.	Mean	SE	t Value	Author
Virali	125	110.99	0.61	13.4564	Chattarjee B.K. and Kumar G.D. 1956
Soara	100	95.30	0.40	1.1028	Majumdar D.N. 1930
Phil	100	88.37	0.47	4.8055	Bharghwa, I. and Kher G.A. 1960
Kadar	42	87.71	0.58	5.1558	Ray G.S. et.al 1959
Mala patnam	37	86.28	0.85	5.6392	Chattarjee, B.K. and Kumar, S.D. 1952
Khond	100	86.13	0.40	6.8600	Ray G.S. 1949
Santal	100	85.83	0.37	7.1829	Chattarjee B.K. and Kumar G.D. 1952
Kannikar	140	85.35	0.45	7.4188	-do-
Munda	250	84.90	0.19	8.3264	Basu, P.C. 1932-33
Maler plain	54	84.61	0.48	7.9708	Sa. Kar, S.S. 1936
Maler Hill	189	83.74	0.22	9.3367	-do.

	1	2	3	4	5	6
Brelia	125	76.23	0.82	7.1847	Chattarjee, B.K. and Kumar G.D. 1956	
Mala pantaram	37	71.96	0.95	9.7316	-do- 1957	
Andhra Pradesh						
Telugu Brahmin	50	73.70	0.68	9.5975	Guha, B.S. 1953	
Komatia	x	74.93	0.64	8.7816	-do-	
Chenchu	23	81.38	0.95	3.2162	-do-	
Lambadi	102	70.88	0.70	11.6952	Gupta, P. C. and Basu A. 1962.	
Madiga	102	73.75	1.07	8.0398	-do- 1960.	
Kolam	133	85.10	0.36	0.8101	Pratap, D.R. et, al 1976.	
Valmiki	109	75.58	0.855	7.5413	Aruna. T. 1971-72.	

Nayadi	62	82.10	0.39	10.3901	Aiyappan, A. 1957
Juang	160	81.34	0.46	10.8110	Ray A.K. 1958
Andhra Pradesh					
Tel.Ebrahim	50	87.30	0.37	5.8720	Guha, B.S. 1933
Chenchus	23	85.26	0.61	7.0708	-do-
Lambadi	102	84.88	0.52	7.6339	Gupta, P.A. Basu P.C. 1962
Madiga	102	82.97	0.45	9.4529	-do- 1966
Kolams	133	86.74	0.52	6.0820	Pratap D.R. et al 1976.
Valmiki	109	93.31	0.564	0.5909	Aruna, T. 1971-72.

TABLE NO. 24

RELATIONS BETWEEN KORDA MIDDY'S AND OTHER INDIAN
POPULATIONS PER MEAN STATURE (FEMALES).

Pop.	No.	Mean	SE	t Value	Author
Banual	178	147.32	0.914	2.5715	Mitra, K 1940
Mayudi	42	146.02	0.56	5.1806	Aiyappan A. 1937
Kadar	37	143.51	0.57	6.3301	Ray, F.S. et al. 1959
Kannikar	20	142.30	0.583	9.7533	Mac Farlane EWE (U.F)
Kolha	35	149.63	0.94	0.3874	Pratap, D.R et al 1976.

CELESTIC INDIAN

Pop.	No.	Mean	SE	t Value	Author
Mayudi	42	74.55	0.31	2.6034	Aiyappan, A. 1937
Kadar	37	73.26	0.23	6.6553	Ray, C.S. et al 1959
Kannikar	20	72.60	0.40	6.2590	Mac Farlane EWE (U.F)
Kolhas	35	77.60	0.59	2.1290	Pratap D.R. et al 1976.

NASAL INDEX

Pop.	No.	Mean	SE	t' value	Author
Kadar	37	84.85	0.99	0.9451	Ray, G.S. et al 1959
Mayudi	42	84.34	0.81	1.4402	Allyan, A.A. 1937.
Kanukikur	20	81.90	1.36	2.9649	McC Marlane, BMC 1939-40
Kolom	35	85.69	1.33	0.2855	Pratap D.R. et al 1976.

NASAL INDEX

Pop.	No.	Mean	SE	t' value	Author
Kadar	37	86.45	0.47	1.2613	Ray G.S. et al 1959
Mayudi	42	80.82	0.47	6.4854	Allyan, A.A. 1937
Kolom	35	84.66	1.15	2.0872	Pratap D.R. et al 1976.

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