

FEMALE CONDOM USAGE BEHAVIOUR SURVEY

Delhi
City

22nd
September,
2005

Research
Report

Focus of Present Study

The focus of the present study is to understand the acceptance of female condom as a safe Birth Control Device

Research Objectives

- To find out the ease of use of female condom
- To find out the failure of parts of condom
- To find out the comfort/discomfort level on usage

Research Methodology

- A structured questionnaire covering all the desired information areas was formulated for the purpose of the study

- Participants were explained the different part of the condom and a confirmation from them obtained for the trial survey.

- The procedure was repeated three more times for the same participants after removing defects noticed in the prior devices.

- A total sample size of 50 was planned.

The procedure and interview were conducted by and large in the month of August.

Demographics

Age	No of respondents Female	%	No of respondents Male	%
20 - 25 years	14	28	1	2
25 - 30 years	21	42	21	42
30 - 35 years	11	22	17	34
35 - 40 years	4	8	8	16
Over 40 years			3	6

42% of the female respondents were in the range of 25 – 30 years

Weight	No of respondents Female	%	No of respondents Male	%
31 - 35 Kg	2	4		0
36 - 40 Kg	5	10		0
41 - 45 Kg	9	18	1	2
46 - 50 Kg	12	24	8	16
51 - 55 Kg	8	16	5	10
56 - 60 Kg	6	12	14	28
61 - 65 Kg	3	6	9	18
66 - 70 Kg	3	6	5	10
71 - 75 Kg	1	2	3	6
76 - 80 Kg	1	2	3	6
81 - 85 Kg			1	2
96 - 100 Kg			1	2

24% of the female respondents were in the range of 46 – 50 kgs weight

Height difference of males	No of respondents	%
Shorter than female	2	4
Taller by less than 0.2'	9	18
Taller by 0.2' to 0.4'	14	28
Taller by 0.4' to 0.6'	9	18
Taller by 0.6' to 0.8'	7	14
Taller by more than 0.8'	9	18

28% of the males were taller than the female participants by 0.2 ft. to 0.4 ft.

Number of Children vs. Age of	20 - 25 years	25 - 30 years	30 - 35 years	35 - 40 years	Overall
1	13.33	11.11	-	2.22	26.67
2	8.89	24.44	13.33	6.67	53.33
3	-	8.89	6.67	-	15.56
4	-	-	4.44	-	4.44

53.3% of the female respondents were having 2 children

Initial Information on the Respondents

Years of sexual activity	20 - 25 years	25 - 30 years	30 - 35 years	35 - 40 years	Overall
Upto 3 years	18.37	6.12	-	-	24.49
3 - 6 years	6.12	8.16	-	-	14.29
6 - 10 years	4.08	14.29	6.12	-	24.49
10 - 15 years	-	12.24	10.20	6.12	28.57
Over 15 years	-	2.04	4.08	2.04	8.16

Most of the people were sexually active

Heard of female condom	20 - 25 years	25 - 30 years	30 - 35 years	35 - 40 years	Overall
Yes	6.38	4.26	10.64	4.26	25.53
No	21.28	36.17	12.77	4.26	74.47

Do you have any information on female condom	20 - 25 years	25 - 30 years	30 - 35 years	35 - 40 years	Overall
Yes	-	-	-	9.09	9.09
No	27.27	18.18	36.36	9.09	90.91

25% participants had heard of Female condom of whom only 9.15 had any information on it.

Use of birth control procedure	20 - 25 years	25 - 30 years	30 - 35 years	35 - 40 years	Overall
Yes	14.00	30.00	20.00	6.00	70.00
No	14.00	12.00	2.00	2.00	30.00

Type of birth control procedure used	20 - 25 years	25 - 30 years	30 - 35 years	35 - 40 years	Overall
MALE CONDOM	11.43	22.86	2.86	8.57	45.71
COPPER-T	8.57	11.43	8.57	-	28.57
FEMALE STERILIZATION	-	5.71	11.43	-	17.14
ORAL TABLETS	-	2.86	5.71	-	8.57

70% of the participants used birth control procedures of which 45.7% used male condom followed 28.6% Copper-T, 17.1% Female Sterilization and rest using Oral pills.

Is it unpleasurable	20 - 25 years	25 - 30 years	30 - 35 years	35 - 40 years	Overall
Yes	2.86	5.71	14.29	-	22.86
No	17.14	37.14	14.29	8.57	77.14

22.9% participants using birth control procedures felt the use of the same to be unpleasurable

Shyness Levels

Was anyone over shy	20 - 25 years	25 - 30 years	30 - 35 years	35 - 40 years	Overall
Yes	2.27	6.82	6.82	2.27	18.18
No	25.00	38.64	11.36	6.82	81.82

Who was shy	20 - 25 years	25 - 30 years	30 - 35 years	35 - 40 years	Overall
Wife	14.29	42.86	28.57	14.29	100.00

Was the information session without any interference	20 - 25 years	25 - 30 years	30 - 35 years	35 - 40 years	Overall
Yes	18.92	16.22	8.11	2.70	45.95
No	8.11	32.43	8.11	5.41	54.05

Only 18% i.e. 9 respondents showed excessive shyness initially, and always it was the female who was shy.

State of Sample

Condition of condom (%)					
	First use	Second use	Third use	Fourth use	Overall
Damaged simulator assembly	6.00	-	2.00	-	2.00

In the first 6% participants complained of damaged stimulator and 2% in the third use. There was no damage in the second and the fourth use. Overall 2% damage to the stimulator observed.

Lubrication of Sponge

Lubrication of sponge and condom (%)			
	Adequately oily	More than needed	Less than needed
First sample	83.67	2.04	14.29
Second sample	88.00	8.00	4.00
Third sample	77.55	14.29	8.16
Fourth sample	84.00	8.00	8.00
Overall	83.33	8.08	8.59

On an average 8.1% participants felt the sponge and condom to be over lubricated while 8.65 felt it to be under lubricated. Others felt it to be adequately lubricated.

Ease of Insertion

Ease of insertion (%)												
Age of female	First			Second			Third			Fourth		
	Very comfortably	Reasonably Comfortable	Discomfort experienced	Very comfortably	Reasonably Comfortable	Discomfort experienced	Very comfortably	Reasonably Comfortable	Discomfort experienced	Very comfortably	Reasonably Comfortable	Discomfort experienced
20 - 25 years	12.00	12.00	4.00	12.00	12.00	4.00	20.83	8.33	-	8.00	20.00	-
25 - 30 years	10.00	28.00	4.00	12.00	28.00	2.00	12.50	27.08	2.08	14.00	26.00	2.00
30 - 35 years	2.00	16.00	4.00	6.00	14.00	2.00	12.50	8.33	-	6.00	14.00	2.00
35 - 40 years	4.00	2.00	2.00	2.00	6.00	-	6.25	2.08	-	6.00	2.00	-
Overall	28.00	58.00	14.00	32.00	60.00	8.00	52.08	45.83	2.08	34.00	62.00	4.00

Ease of insertion (%)												
Weight of female	First			Second			Third			Fourth		
	Very comfortably	Reasonably Comfortable	Discomfort experienced	Very comfortably	Reasonably Comfortable	Discomfort experienced	Very comfortably	Reasonably Comfortable	Discomfort experienced	Very comfortably	Reasonably Comfortable	Discomfort experienced
31 - 35 Kg	2.00	-	2.00	-	2.00	2.00	2.08	2.08	-	-	4.00	-
36 - 40 Kg	6.00	4.00	-	4.00	6.00	-	6.25	2.08	-	2.00	6.00	2.00
41 - 45 Kg	6.00	12.00	-	6.00	12.00	-	10.42	8.33	-	6.00	12.00	-
46 - 50 Kg	6.00	14.00	4.00	10.00	14.00	-	8.33	12.50	2.08	12.00	12.00	-
51 - 55 Kg	-	12.00	4.00	6.00	8.00	2.00	10.42	6.25	-	6.00	8.00	2.00
56 - 60 Kg	2.00	8.00	2.00	2.00	6.00	4.00	6.25	6.25	-	4.00	8.00	-
61 - 65 Kg	2.00	4.00	-	2.00	4.00	-	4.17	2.08	-	2.00	4.00	-
66 - 70 Kg	2.00	4.00	-	2.00	4.00	-	2.08	4.17	-	2.00	4.00	-
71 - 75 Kg	2.00	-	-	-	2.00	-	2.08	-	-	-	2.00	-
76 - 80 Kg	-	-	2.00	-	2.00	-	-	2.08	-	-	2.00	-
Overall	28.00	58.00	14.00	32.00	60.00	8.00	52.08	45.83	2.08	34.00	62.00	4.00

Ease of insertion improved after every usage. Discomfort reduced from 14% in first usage to 2% in third.

Initial comfort after insertion

Age of female	Feelings of female on insertion of condom (%)														
	First				Second					Third			Fourth		
	Comfortable	No comfort, but no discomfort also	Mild discomfort due to stimulator	Mild discomfort due to sponge	Comfortable	No comfort, but no discomfort also	Mild discomfort due to stimulator	Mild discomfort due to sponge	Severe discomfort using either (specify)*	Comfortable	No comfort, but no discomfort also	Mild discomfort due to sponge	Comfortable	No comfort, but no discomfort also	Mild discomfort due to sponge
20 - 25 years	12.00	10.00	2.00	4.00	10.00	16.00	-	2.00	-	22.00	4.00	2.00	20.00	8.00	-
25 - 30 years	16.00	16.00	4.00	6.00	16.00	18.00	-	6.00	2.00	28.00	10.00	4.00	24.00	12.00	6.00
30 - 35 years	-	12.00	2.00	8.00	4.00	8.00	2.00	8.00	-	12.00	8.00	2.00	12.00	10.00	-
35 - 40 years	4.00	-	-	4.00	4.00	4.00	-	-	-	6.00	2.00	-	6.00	2.00	-
Overall	32.00	38.00	8.00	22.00	34.00	46.00	2.00	16.00	2.00	68.00	24.00	8.00	62.00	32.00	6.00

Weight of female	Feelings of female on insertion of condom (%)														
	First				Second					Third			Fourth		
	Comfortable	No comfort, but no discomfort also	Mild discomfort due to stimulator	Mild discomfort due to sponge	Comfortable	No comfort, but no discomfort also	Mild discomfort due to stimulator	# Mild discomfort due to sponge	* Severe discomfort using either	Comfortable	No comfort, but no discomfort also	Mild discomfort due to sponge	Comfortable	No comfort, but no discomfort also	Mild discomfort due to sponge
31 - 35 Kg	2.00	-	-	2.00	-	2.00	-	2.00	-	2.00	2.00	-	2.00	2.00	-
36 - 40 Kg	4.00	6.00	-	-	2.00	8.00	-	-	-	8.00	-	2.00	8.00	-	2.00
41 - 45 Kg	4.00	6.00	-	8.00	4.00	10.00	-	2.00	2.00	10.00	8.00	-	6.00	12.00	-
46 - 50 Kg	8.00	8.00	4.00	4.00	10.00	10.00	2.00	2.00	-	16.00	4.00	4.00	18.00	4.00	2.00
51 - 55 Kg	2.00	12.00	2.00	-	8.00	4.00	-	4.00	-	12.00	4.00	-	12.00	4.00	-
56 - 60 Kg	6.00	4.00	-	2.00	-	8.00	-	4.00	-	8.00	4.00	-	6.00	6.00	-
61 - 65 Kg	4.00	2.00	-	-	2.00	2.00	-	2.00	-	4.00	-	2.00	2.00	2.00	2.00
66 - 70 Kg	2.00	-	2.00	2.00	4.00	2.00	-	-	-	4.00	2.00	-	4.00	2.00	-
71 - 75 Kg	-	-	-	2.00	2.00	-	-	-	-	2.00	-	-	2.00	-	-
76 - 80 Kg	-	-	-	2.00	2.00	-	-	-	-	2.00	-	-	2.00	-	-
Overall	32.00	38.00	8.00	22.00	34.00	46.00	2.00	16.00	2.00	68.00	24.00	8.00	62.00	32.00	6.00

Discomfort level of female participants fell with every use. However, the discomfort was mostly associated with sponge.

* In the both tables, there were no cases of severe discomfort in the first, third and fourth uses.

* There was no discomfort due to stimulator after the second use. The discomfort levels were mostly associated with the sponge.
Even in the first case, only one respondent experienced severe discomfort.

Sexual Position

Age of female	Position of intercourse								
	First		Second	Third				Fourth	
	Vaginal sex- front entry	Vaginal sex- rear entry	Vaginal sex- front entry	Vaginal sex- front entry	Vaginal sex- rear entry	Vaginal sex- standing	Vaginal sex- other	Vaginal sex- front entry	Vaginal sex- rear entry
20 - 25 years	28.00	-	28.57	24.49	-	2.04	2.04	28.00	-
25 - 30 years	40.00	2.00	40.82	40.82	2.04	-	-	42.00	-
30 - 35 years	22.00	-	22.45	20.41	-	-	-	20.00	2.00
35 - 40 years	8.00	-	8.16	8.16	-	-	-	8.00	-
Overall	98.00	2.00	100.00	93.88	2.04	2.04	2.04	98.00	2.00

The predominant intercourse practise was vaginal entry from the front. Other positions were marginal which included vaginal entry from rear, standing position and others.

Comfort levels of males during intercourse

Experience of male during intercourse												
Age of male	First				Second			Third			Fourth	
	Comfortable	Not so comfortable due to sponge/stimulator	Mild discomfort due to sponge/stimulator	Pain during stimulation outside or inside *	Comfortable	Not so comfortable due to sponge/stimulator	Mild discomfort due to sponge/stimulator	Comfortable	Sponge problem-mild	Stimulator problem-mild	Comfortable	Sponge problem-mild
25 - 30 years	26.53	14.29	2.04	2.0	22.92	14.58	4.17	37.50	4.17	2.08	34.69	2.04
30 - 35 years	12.24	16.33	4.08	2.04	27.08	8.33	-	29.17	4.17	2.08	30.61	-
35 - 40 years	6.12	4.08	6.12	-	16.67	-	-	14.58	-	-	14.29	-
Over 40 years	-	4.08	-	2.04	4.17	-	2.08	6.25	-	-	6.12	-
Overall	44.90	38.78	12.24	6.08	70.83	22.92	6.25	87.50	8.33	4.17	85.71	2.04

Experience of male during intercourse												
Height difference	First				Second			Third			Fourth	
	Comfortable	Not so comfortable due to sponge/stimulator	Mild discomfort due to sponge/stimulator	Pain during stimulation outside or inside*	Comfortable	Not so comfortable due to sponge/stimulator	Mild discomfort due to sponge/stimulator	Comfortable	Sponge problem-mild	Stimulator problem-mild	Comfortable	Sponge problem-mild
Male shorter	2.00	2.00	-	-	-	2.04	2.04	-	4.08	-	-	2.00
Taller upto 0.2'	10.00	4.00	4.00	-	16.33	-	2.04	16.33	-	2.04	16.00	-
Taller form 0.2'	16.00	8.00	2.00	2.00	16.33	10.20	-	28.57	-	-	28.00	-
Taller form 0.4'	8.00	8.00	-	2.00	16.33	2.04	-	14.29	4.08	-	14.00	-
Taller form 0.6'	4.00	8.00	2.00	-	12.24	2.04	-	12.24	-	2.04	12.00	-
Taller than 0.8'	4.00	8.00	4.00	2.00	10.20	6.12	2.04	16.33	-	-	16.00	-
Overall	44.00	38.00	12.00	6.00	71.43	22.45	6.12	87.76	8.16	4.08	86.00	2.00

The comfort level improved with use of female condom. Complained of stimulator problem. The problem was more with males in the age of 25-30 years.

* There were no cases of pain during stimulation in the second, third and fourth uses.
only three respondents felt the pain during stimulation.

Comfort levels of females during intercourse

Experience of female during intercourse												
Age of female	First				Second				Third		Fourth	
	Comfortable	Not so comfortable due to sponge/stimulator	Mild discomfort due to sponge/stimulator	Pain during stimulation outside or inside	Comfortable	Not so comfortable due to sponge/stimulator	Mild discomfort due to sponge/stimulator	Sponge problem-mild	Comfortable	Stimulator problem-mild	Comfortable	Stimulator problem-mild
20 - 25 years	12.24	8.16	6.12	-	24.49	4.08	-	-	28.57	-	28.00	-
25 - 30 years	18.37	12.24	10.20	2.04	28.57	4.08	6.12	2.04	36.73	6.12	40.00	2.00
30 - 35 years	8.16	8.16	4.08	2.04	16.33	6.12	-	-	18.37	2.04	20.00	2.00
35 - 40 years	4.08	2.04	-	2.04	6.12	-	2.04	-	8.16	-	8.00	-
Overall	42.86	30.61	20.41	6.12	75.51	14.29	8.16	2.04	91.84	8.16	96.00	4.00

Experience of female during intercourse												
Height difference	First				Second				Third		Fourth	
	Comfortable	Not so comfortable due to sponge/stimulator	Mild discomfort due to sponge/stimulator	Pain during stimulation outside or inside	Comfortable	Not so comfortable due to sponge/stimulator	Mild discomfort due to sponge/stimulator	Sponge problem-mild	Comfortable	Stimulator problem-mild	Comfortable	Stimulator problem-mild
Male shorter	2.04	-	2.04	-	4.08	-	-	-	4.08	-	4.00	-
Taller upto 0.2'	14.29	2.04	2.04	-	16.33	-	2.04	-	16.33	2.04	16.00	2.00
Taller form 0.2'	12.24	10.20	4.08	2.04	16.33	8.16	2.04	-	28.57	-	26.00	2.00
Taller form 0.4'	8.16	6.12	2.04	-	14.29	-	2.04	2.04	14.29	4.08	18.00	-
Taller form 0.6'	-	4.08	6.12	4.08	10.20	4.08	-	-	12.24	2.04	14.00	-
Taller than 0.8'	6.12	8.16	4.08	-	14.29	2.04	2.04	-	16.33	-	18.00	-
Overall	42.86	30.61	20.41	6.12	75.51	14.29	8.16	2.04	91.84	8.16	96.00	4.00

The comfort level improved with use. Complained of mild stimulator problem. Also there were complaints due to the disc which caused friction during and after insertion.

* There was no pain during stimulation in the second, third and fourth uses.

Three respondents in the first use experienced pain during stimulation in the external genitalia.

The figures in decimals should be rounded off.

Working of Stimulator

Age of female	Stimulator worked						
	First		Second	Third		Fourth	
	Yes	No	Yes	Yes	No	Yes	No
20 - 25 years	22.00	6.00	29.17	22.92	6.25	22.45	6.12
25 - 30 years	38.00	4.00	39.58	37.50	4.17	38.78	4.08
30 - 35 years	18.00	4.00	22.92	14.58	6.25	20.41	-
35 - 40 years	8.00	-	8.33	6.25	2.08	6.12	2.04
Overall	86.00	14.00	100.00	81.25	18.75	87.76	12.24

On an average stimulator failed to work in 11.3% of the cases. There was NIL failure in second trial.

Height difference	Stimulator worked						
	First		Second	Third		Fourth	
	Yes	No	Yes	Yes	No	Yes	No
Male shorter	4.00	-	4.17	4.17	-	4.08	-
Taller upto 0.2'	18.00	-	18.75	14.58	4.17	14.29	2.04
Taller form 0.2'	22.00	6.00	27.08	25.00	4.17	26.53	2.04
Taller form 0.4'	18.00	-	16.67	14.58	2.08	12.24	6.12
Taller form 0.6'	8.00	6.00	14.58	8.33	6.25	12.24	2.04
Taller than 0.8'	16.00	2.00	18.75	14.58	2.08	18.37	-
Overall	86.00	14.00	100.00	81.25	18.75	87.76	12.24

Riding of Condom with Penis

Weight of male	Sticking of condom							
	First		Second		Third		Fourth	
	Yes	No	Yes	No	Yes	No	Yes	No
41 - 45 Kg	-	2.00	-	2.04	-	2.04	-	2.04
46 - 50 Kg	2.00	14.00	-	16.33	4.08	12.24	-	14.29
51 - 55 Kg	2.00	8.00	4.08	6.12	-	8.16	-	10.20
56 - 60 Kg	6.00	22.00	4.08	22.45	2.04	26.53	4.08	24.49
61 - 65 Kg	6.00	12.00	2.04	16.33	-	18.37	2.04	16.33
66 - 70 Kg	2.00	8.00	2.04	8.16	-	10.20	-	10.20
71 - 75 Kg	-	6.00	-	6.12	-	6.12	-	6.12
76 - 80 Kg	-	6.00	-	6.12	-	6.12	2.04	4.08
81 - 85 Kg	-	2.00	-	2.04	-	2.04	-	2.04
96 - 100 Kg	2.00	-	-	2.04	-	2.04	-	2.04
Overall	20.00	80.00	12.24	87.76	6.12	93.88	8.16	91.84

On an average condom stuck to the genitals in 11.7% of the cases

There were no reported cases of total condom slippage, or total pouch pull out.

The only reported cases were of a partial pull out nature, owing to clumsy insertion practices.

Stability of Stimulator during Intercourse

Stability of stimulator during intercourse											
Weight of male	First			Second			Third			Fourth	
	Yes	No, Sliding sideways	No. Stays at lower/higher level	Yes	No, Sliding sideways	No. Stays at lower/higher level	Yes	No, Sliding sideways	No. Stays at lower/higher level	Yes	No, Sliding sideways
41 - 45 Kg	2.00	-	-	2.08	-	-	2.04	-	-	2.00	-
46 - 50 Kg	8.00	-	8.00	10.42	-	6.25	16.33	-	-	16.00	-
51 - 55 Kg	4.00	2.00	4.00	8.33	-	2.08	8.16	-	-	8.00	2.00
56 - 60 Kg	22.00	-	6.00	22.92	2.08	2.08	26.53	-	2.04	28.00	-
61 - 65 Kg	10.00	4.00	4.00	12.50	2.08	4.17	16.33	2.04	-	16.00	2.00
66 - 70 Kg	8.00	-	2.00	8.33	2.08	-	10.20	-	-	10.00	-
71 - 75 Kg	4.00	-	2.00	2.08	-	2.08	6.12	-	-	6.00	-
76 - 80 Kg	6.00	-	-	6.25	-	-	6.12	-	-	6.00	-
81 - 85 Kg	2.00	-	-	2.08	-	-	2.04	-	-	2.00	-
96 - 100 Kg	2.00	-	-	2.08	-	-	2.04	-	-	2.00	-
Overall	68.00	6.00	26.00	77.08	6.25	16.67	95.92	2.04	2.04	96.00	4.00

Stability of stimulator during intercourse											
Height difference	First			Second			Third			Fourth	
	Yes	No, Sliding sideways	No. Stays at lower/higher level	Yes	No, Sliding sideways	No. Stays at lower/higher level	Yes	No, Sliding sideways	No. Stays at lower/higher level	Yes	No, Sliding sideways
Male shorter	2.00	-	2.00	4.17	-	-	4.08	-	-	4.00	-
Taller upto 0.2'	16.00	-	2.00	16.67	-	2.08	18.37	-	-	16.00	2.00
Taller form 0.2'	16.00	2.00	10.00	16.67	4.17	6.25	26.53	2.04	-	28.00	-
Taller form 0.4'	14.00	2.00	2.00	12.50	2.08	2.08	16.33	-	2.04	18.00	-
Taller form 0.6'	12.00	2.00	-	14.58	-	-	14.29	-	-	14.00	-
Taller than 0.8'	8.00	-	10.00	12.50	-	6.25	16.33	-	-	16.00	2.00
Overall	68.00	6.00	26.00	77.08	6.25	16.67	95.92	2.04	2.04	96.00	4.00

On an average the stimulator slid sideways in 4.6% cases while up or down in 11.2% cases

Male Orgasm

Ejaculation experienced by male							
Weight of male	First		Second		Third	Fourth	
	Yes	No	Yes	No	Yes	Yes	No
41 - 45 Kg	2.00	-	2.04	-	2.04	2.00	-
46 - 50 Kg	12.00	4.00	16.33	-	16.33	16.00	-
51 - 55 Kg	10.00	-	10.20	-	8.16	10.00	-
56 - 60 Kg	24.00	4.00	24.49	2.04	28.57	26.00	2.00
61 - 65 Kg	14.00	4.00	14.29	4.08	18.37	18.00	-
66 - 70 Kg	8.00	2.00	8.16	2.04	10.20	10.00	-
71 - 75 Kg	6.00	-	6.12	-	6.12	6.00	-
76 - 80 Kg	6.00	-	6.12	-	6.12	6.00	-
81 - 85 Kg	2.00	-	2.04	-	2.04	2.00	-
96 - 100 Kg	2.00	-	2.04	-	2.04	2.00	-
Overall	86.00	14.00	91.84	8.16	100.00	98.00	2.00

Ejaculation was experienced in 98% cases by the fourth trial

Ejaculation experienced by male							
Height difference	First		Second		Third	Fourth	
	Yes	No	Yes	No	Yes	Yes	No
Male shorter	2.00	2.00	2.04	2.04	4.08	2.00	2.00
Taller upto 0.2'	18.00	-	18.37	-	18.37	18.00	-
Taller form 0.2'	24.00	4.00	22.45	4.08	28.57	28.00	-
Taller form 0.4'	14.00	4.00	16.33	2.04	18.37	18.00	-
Taller form 0.6'	14.00	-	14.29	-	14.29	14.00	-
Taller than 0.8'	14.00	4.00	18.37	-	16.33	18.00	-
Overall	86.00	14.00	91.84	8.16	100.00	98.00	2.00

Male Orgasm

Ejaculation experienced by male							
Age of male	First		Second		Third	Fourth	
	Yes	No	Yes	No	Yes	Yes	No
20 - 25 years	-	2.00	2.04	-	2.04	2.00	-
25 - 30 years	38.00	4.00	38.78	2.04	42.86	40.00	2.00
30 - 35 years	30.00	4.00	30.61	4.08	34.69	34.00	-
35 - 40 years	16.00	-	16.33	-	14.29	16.00	-
Over 40 years	2.00	4.00	4.08	2.04	6.12	6.00	-
Overall	86.00	14.00	91.84	8.16	100.00	98.00	2.00

Ejaculation experienced by male*		
Age of male	Yes	No
20 - 25 years	2.03	-
25 - 30 years	40.54	1.35
30 - 35 years	33.11	1.35
35 - 40 years	15.54	-
Over 40 years	5.41	0.68
Overall	96.62	3.38

* Based on last three uses

Higher percentage of males in the age group 25 – 30 years experienced ejaculation.

Female Orgasm

Orgasm experienced by female *							
Age of female	First		Second		Third		Fourth
	Yes	No	Yes	No	Yes	No	Yes
20 - 25 years	22.00	6.00	26.53	2.04	28.57	-	28.57
25 - 30 years	28.00	14.00	34.69	6.12	38.78	4.08	42.86
30 - 35 years	12.00	10.00	16.33	6.12	18.37	2.04	22.45
35 - 40 years	8.00	-	6.12	2.04	6.12	2.04	6.12
Overall	70.00	30.00	83.67	16.33	91.84	8.16	100.00

Orgasm experienced by female							
Height difference	First		Second		Third		Fourth
	Yes	No	Yes	No	Yes	No	Yes *
Male shorter	4.00	-	2.04	2.04	4.08	-	4.08
Taller upto 0.2'	12.00	6.00	18.37	-	18.37	-	18.37
Taller form 0.2'	20.00	8.00	20.41	6.12	26.53	2.04	26.53
Taller form 0.4'	16.00	2.00	14.29	4.08	16.33	2.04	18.37
Taller form 0.6'	4.00	10.00	12.24	2.04	10.20	4.08	14.29
Taller than 0.8'	14.00	4.00	16.33	2.04	16.33	-	18.37
Overall	70.00	30.00	83.67	16.33	91.84	8.16	100.00

By the fourth trial orgasm was experienced by 100% of the participants using female condom which was 70% in the first trial.

* During the fourth usage, all the female respondents experienced orgasm.

Aspects providing greater comfort

Age of female	What was more comfortable in this use											
	Second			Third				Fourth				
	Insertion	Turning Battery Switch	Removal After Intercourse	Insertion	Turning Battery Switch	All of the above were true	All was like previous use	Insertion	Turning Battery Switch	Removal After Intercourse	All of the above were true	All was like previous use
20 - 25 years	-	28.26	-	2.04	2.04	14.29	10.20	2.00	-	-	20.00	6.00
25 - 30 years	4.35	30.43	6.52	-	2.04	30.61	10.20	-	-	2.00	28.00	12.00
30 - 35 years	2.17	17.39	2.17	2.04	2.04	14.29	2.04	-	4.00	2.00	14.00	2.00
35 - 40 years	2.17	6.52	-	-	-	6.12	2.04	-	-	-	4.00	4.00
Overall	8.70	82.61	8.70	4.08	6.12	65.31	24.49	2.00	4.00	4.00	66.00	24.00

In second use turning of battery switch was found to be comfortable compared to first use followed by insertion and removal of condom.

All of the above being true would mean that the respondents felt better about all the aspects.

All was like previous use would mean that the respondents felt that nothing changed since the previous uses.

Stability of Frame

Stability of frame during intercourse *						*
Weight of male	First		Second		Third	Fourth
	Yes	No	Yes	No	Yes	Yes
41 - 45 Kg	2.00	-	2.08	-	2.04	2.00
46 - 50 Kg	12.00	4.00	16.67	-	16.33	16.00
51 - 55 Kg	8.00	2.00	10.42	-	8.16	10.00
56 - 60 Kg	26.00	2.00	25.00	2.08	28.57	28.00
61 - 65 Kg	16.00	2.00	16.67	2.08	18.37	18.00
66 - 70 Kg	10.00	-	10.42	-	10.20	10.00
71 - 75 Kg	6.00	-	4.17	-	6.12	6.00
76 - 80 Kg	6.00	-	6.25	-	6.12	6.00
81 - 85 Kg	2.00	-	2.08	-	2.04	2.00
96 - 100 Kg	2.00	-	2.08	-	2.04	2.00
Overall	90.00	10.00	95.83	4.17	100.00	100.00

The frame stability improved with every use. The average non stability was 3.55%. It was, however, NIL in each of the third and fourth trial.

* There were no reported cases of unstable frames in the third and the fourth uses.

Stability of frame during intercourse *						*
Height difference	First		Second		Third	Fourth
	Yes	No	Yes	No	Yes	Yes
Male shorter	4.00	-	4.17	-	4.08	4.00
Taller upto 0.2'	18.00	-	18.75	-	18.37	18.00
Taller form 0.2'	24.00	4.00	25.00	2.08	28.57	28.00
Taller form 0.4'	18.00	-	16.67	-	18.37	18.00
Taller form 0.6'	12.00	2.00	14.58	-	14.29	14.00
Taller than 0.8'	14.00	4.00	16.67	2.08	16.33	18.00
Overall	90.00	10.00	95.83	4.17	100.00	100.00

Comparison with Previous Uses

Experience compared to previous uses									
Age of female	Second			Third			Fourth		
	Much Better	Better	Normal	Much Better	Better	Normal	Much Better	Better	Normal
20 - 25 years	6.25	20.83	-	10.20	10.20	8.16	8.00	14.00	6.00
25 - 30 years	6.25	20.83	14.58	14.29	18.37	10.20	12.00	12.00	18.00
30 - 35 years	8.33	8.33	6.25	6.12	12.24	2.04	6.00	8.00	8.00
35 - 40 years	2.08	4.17	2.08	-	4.08	4.08	-	6.00	2.00
Self release of condom after use									
Height difference	First			Second	Third		Fourth		
	Yes	No	Yes, readjusted and continued	No	Yes	No	No *		
Male shorter	-	4.00	-	4.08	-	4.08	4.00		
Taller upto 0.2'	-	18.00	-	18.37	-	16.33	18.00		
Taller form 0.2' to 0.4'	-	26.00	2.00	28.57	4.08	24.49	28.00		
Taller form 0.4' to 0.6'	6.00	12.00	-	18.37	-	18.37	18.00		
Taller form 0.6' to 0.8'	-	14.00	-	14.29	-	14.29	14.00		
Taller than 0.8'	-	14.00	4.00	16.33	-	18.37	18.00		
Overall	6.00	88.00	6.00	100.00	4.08	95.92	100.00		

The better feeling declined with every usage and veered towards normal. The respondents were getting used to the condom with subsequent uses.

There was no self release of the condom by the fourth trial

- There were no cases of total slippage of condom.
- The only case was of partial slippage, which was absent in the fourth trial.

Removal of Condom

Difficulty level of removal of condom									
Height difference	First			Second		Third		Fourth	
	Easy	Difficult	Slipped off after the intercourse	Easy	Difficult	Easy	Difficult	Easy	Difficult
Male shorter	2.00	2.00	-	2.04	2.04	4.08	-	4.00	-
Taller upto 0.2'	16.00	2.00	-	12.24	6.12	16.33	-	18.00	-
Taller form 0.2' to 0.4'	16.00	10.00	2.00	20.41	8.16	24.49	4.08	24.00	4.00
Taller form 0.4' to 0.6'	10.00	8.00	-	14.29	4.08	16.33	2.04	18.00	-
Taller form 0.6' to 0.8'	6.00	8.00	-	8.16	4.08	12.24	2.04	14.00	-
Taller than 0.8'	10.00	8.00	-	16.33	2.04	18.37	-	18.00	-
Overall	60.00	38.00	2.00	73.47	26.53	91.84	8.16	96.00	4.00

At times it was determined to be difficult to remove condom. Though with every usage it came down. In the fourth trial it was as low as 4%

Was the information sufficient to remove the condom				
Age of female	First		Second	
	Yes	No	Yes	No
20 - 25 years	25.00	5.00	21.43	4.76
25 - 30 years	27.50	17.50	28.57	14.29
30 - 35 years	15.00	2.50	19.05	4.76
35 - 40 years	2.50	5.00	4.76	2.38
Overall	70.00	30.00	73.81	26.19

The instructions to remove the condom was sufficient for 74% of the participants by second trial.

The instructions for the removal of the condom were clear to each and every respondent after the second trial.

Breakage Rates

Did the condom and stimulator assembly break during or after use							
Weight of male	First		Second	Third		Fourth	
	Yes, only stimulator	No	No *	Yes	No	Yes	No
41 - 45 Kg	-	2.00	-	-	2.08	2.00	-
46 - 50 Kg	4.00	12.00	16.33	-	16.67	-	16.00
51 - 55 Kg	2.00	8.00	10.20	-	10.42	-	10.00
56 - 60 Kg	-	28.00	28.57	-	27.08	-	28.00
61 - 65 Kg	-	18.00	18.37	-	16.67	-	18.00
66 - 70 Kg	-	10.00	10.20	-	10.42	-	10.00
71 - 75 Kg	-	6.00	6.12	2.08	4.17	-	6.00
76 - 80 Kg	2.00	4.00	6.12	2.08	4.17	2.00	4.00
81 - 85 Kg	-	2.00	2.04	-	2.08	-	2.00
96 - 100 Kg	-	2.00	2.04	-	2.08	-	2.00
Overall	8.00	92.00	100.00	4.17	95.83	4.00	96.00

Did the condom and stimulator assembly break during or after use							
Height difference	First		Second	Third		Fourth	
	Yes, only stimulator	No	No	Yes	No	Yes	No
Male shorter	-	4.00	4.08	-	4.17	-	4.00
Taller upto 0.2'	-	18.00	18.37	2.08	14.58	2.00	16.00
Taller form 0.2' to 0.4'	4.00	24.00	28.57	-	29.17	-	28.00
Taller form 0.4' to 0.6'	-	18.00	18.37	2.08	16.67	-	18.00
Taller form 0.6' to 0.8'	2.00	12.00	14.29	-	14.58	-	14.00
Taller than 0.8'	2.00	16.00	16.33	-	16.67	2.00	16.00
Overall	8.00	92.00	100.00	4.17	95.83	4.00	96.00

There was reported to be breakage in condom – stimulator assembly on an average in 4.1% of the cases. Though there was no breakage in the second trial. The reason for the present breakages was the separation of sponge from the latex pouch due to clumsy removal procedures followed. *The rates were absent in the second usage and were on a decline in the subsequent usages.

Male Pleasure Levels

Weight of male	What was male pleasure level on use of condom															
	First					Second				Third				Fourth		
	Very pleasurable, better than normal pleasure	Pleasurable, comparable to natural pleasure	Not so pleasurable	Discomfort	Pain or irritation felt	Very pleasurable, better than normal pleasure	Pleasurable, comparable to natural pleasure	Not so pleasurable	Discomfort	Very pleasurable, better than normal pleasure	Pleasurable, comparable to natural pleasure	Not so pleasurable	Discomfort	Very pleasurable, better than normal pleasure	Pleasurable, comparable to natural pleasure	Not so pleasurable
41 - 45 Kg	-	2.08	-	-	-	-	-	-	-	-	2.04	-	-	-	2.00	-
46 - 50 Kg	-	2.08	6.25	4.17	4.17	2.04	10.20	4.08	-	2.04	10.20	4.08	-	8.00	6.00	2.00
51 - 55 Kg	4.17	2.08	4.17	-	-	2.04	6.12	2.04	-	-	8.16	2.04	-	2.00	8.00	-
56 - 60 Kg	8.33	2.08	12.50	4.17	2.08	4.08	14.29	10.20	-	6.12	14.29	8.16	-	4.00	20.00	4.00
61 - 65 Kg	2.08	-	12.50	2.08	-	2.04	8.16	2.04	6.12	-	14.29	2.04	-	2.00	12.00	4.00
66 - 70 Kg	4.17	-	4.17	2.08	-	2.04	4.08	2.04	2.04	2.04	6.12	2.04	-	2.00	6.00	2.00
71 - 75 Kg	-	-	4.17	-	-	2.04	2.04	2.04	-	-	4.08	-	2.04	2.00	4.00	-
76 - 80 Kg	4.17	-	2.08	-	-	2.04	4.08	-	-	-	4.08	2.04	-	-	6.00	-
81 - 85 Kg	2.08	-	-	-	-	2.04	-	-	-	-	2.04	-	-	-	2.00	-
96 - 100 Kg	-	-	2.08	-	-	-	2.04	-	-	-	2.04	-	-	-	2.00	-
Overall	25.00	8.33	47.92	12.50	6.25	18.37	51.02	22.45	8.16	10.20	67.35	20.41	2.04	20.00	68.00	12.00

Height difference	What was male pleasure level on use of condom															
	First					Second				Third				Fourth		
	Very pleasurable, better than normal pleasure	Pleasurable, comparable to natural pleasure	Not so pleasurable	Discomfort	Pain or irritation felt	Very pleasurable, better than normal pleasure	Pleasurable, comparable to natural pleasure	Not so pleasurable	Discomfort	Very pleasurable, better than normal pleasure	Pleasurable, comparable to natural pleasure	Not so pleasurable	Discomfort	Very pleasurable, better than normal pleasure	Pleasurable, comparable to natural pleasure	Not so pleasurable
Male shorter	-	-	2.08	-	-	-	-	2.04	2.04	-	-	4.08	-	-	-	4.00
Taller upto 0.2'	8.33	-	8.33	-	-	4.08	12.24	2.04	-	2.04	14.29	-	-	4.00	14.00	-
Taller form 0.2' to 0.4'	6.25	-	14.58	4.17	2.08	4.08	14.29	6.12	4.08	4.08	20.41	4.08	-	6.00	20.00	2.00
Taller form 0.4' to 0.6'	2.08	4.17	8.33	2.08	2.08	4.08	10.20	2.04	2.04	2.04	10.20	4.08	2.04	4.00	12.00	2.00
Taller form 0.6' to 0.8'	4.17	2.08	4.17	4.17	-	2.04	10.20	2.04	-	-	10.20	4.08	-	2.00	10.00	2.00
Taller than 0.8'	4.17	2.08	10.42	-	2.08	4.08	4.08	8.16	-	2.04	12.24	4.08	-	4.00	12.00	2.00
Overall	25.00	8.33	47.92	12.50	6.25	18.37	51.02	22.45	8.16	10.20	67.35	20.41	2.04	20.00	68.00	12.00

With use the unpleasureable level in males declined to 12% by fourth usage. Average of all trials 25.5% felt it to be unpleasureable.

Female Pleasure

What was female pleasure level on use of condom																
Weight of female	First					Second					Third				Fourth	
	Very pleasurable, better than normal pleasure	Pleasurable comparable to natural pleasure	Not so pleasurable	Discomfort	Pain or irritation felt *	Very pleasurable, better than normal pleasure	Pleasurable comparable to natural pleasure	Not so pleasurable	Discomfort	Pain or irritation felt *	Very pleasurable, better than normal pleasure	Pleasurable comparable to natural pleasure	Not so pleasurable	Discomfort	Very pleasurable, better than normal pleasure	Pleasurable comparable to natural pleasure
31 - 35 Kg	-	2.00	-	2.00	-	-	2.04	-	-	-	-	4.08	-	-	-	4.00
36 - 40 Kg	2.00	6.00	2.00	-	-	2.04	8.16	-	-	-	-	10.20	-	-	-	10.00
41 - 45 Kg	-	8.00	8.00	2.00	-	2.04	10.20	4.08	-	2.04	2.04	10.20	6.12	-	6.00	12.00
46 - 50 Kg	2.00	6.00	8.00	6.00	2.00	2.04	16.33	6.12	-	-	-	16.33	6.12	2.04	6.00	18.00
51 - 55 Kg	2.00	6.00	6.00	-	2.00	6.12	6.12	4.08	-	-	4.08	10.20	-	-	4.00	12.00
56 - 60 Kg	4.00	4.00	2.00	2.00	-	-	8.16	-	4.08	-	2.04	10.20	-	-	2.00	10.00
61 - 65 Kg	-	4.00	2.00	-	-	2.04	2.04	2.04	-	-	-	4.08	2.04	-	-	6.00
66 - 70 Kg	-	-	6.00	-	-	2.04	2.04	-	2.04	-	2.04	4.08	-	-	2.00	4.00
71 - 75 Kg	2.00	-	-	-	-	-	2.04	-	-	-	-	2.04	-	-	-	2.00
76 - 80 Kg	-	-	-	2.00	-	2.04	-	-	-	-	-	2.04	-	-	-	2.00
Overall	12.00	36.00	34.00	14.00	4.00	18.37	57.14	16.33	6.12	2.04	10.20	73.47	14.29	2.04	20.00	80.00

What was female pleasure level on use of condom																
Height difference	First					Second					Third				Fourth	
	Very pleasurable, better than normal pleasure	Pleasurable comparable to natural pleasure	Not so pleasurable	Discomfort	Pain or irritation felt *	Very pleasurable, better than normal pleasure	Pleasurable comparable to natural pleasure	Not so pleasurable	Discomfort	Pain or irritation felt *	Very pleasurable, better than normal pleasure	Pleasurable comparable to natural pleasure	Not so pleasurable	Discomfort	Very pleasurable, better than normal pleasure	Pleasurable comparable to natural pleasure
Male shorter	-	2.00	2.00	-	-	2.04	2.04	-	-	-	2.04	2.04	-	-	2.00	2.00
Taller upto 0.2'	-	10.00	8.00	-	-	8.16	8.16	2.04	-	-	-	16.33	-	-	6.00	12.00
Taller from 0.2' to 0.4'	6.00	8.00	12.00	2.00	-	-	18.37	6.12	4.08	-	6.12	18.37	4.08	-	6.00	22.00
Taller from 0.4' to 0.6'	-	12.00	4.00	-	2.00	2.04	12.24	2.04	-	2.04	-	12.24	4.08	2.04	2.00	16.00
Taller from 0.6' to 0.8'	4.00	-	-	8.00	2.00	2.04	10.20	2.04	-	-	-	12.24	2.04	-	-	14.00
Taller than 0.8'	2.00	4.00	8.00	4.00	-	4.08	6.12	4.08	2.04	-	2.04	12.24	4.08	-	4.00	14.00
Overall	12.00	36.00	34.00	14.00	4.00	18.37	57.14	16.33	6.12	2.04	10.20	73.47	14.29	2.04	20.00	80.00

Females reported more pleasure compared to their male counterparts. Just 16.2% felt it to be unpleasurable.

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* By the third use, the levels of pain and discomfort were nil. The comfort levels increased with each subsequent usage.

Female Pleasure

What was female pleasure level on use of condom																
Age of female	First					Second					Third				Fourth	
	Very pleasurable, better than normal pleasure	Pleasurable comparable to natural pleasure	Not so pleasurable	Discomfort	Pain or irritation felt *	Very pleasurable, better than normal pleasure	Pleasurable comparable to natural pleasure	Not so pleasurable	Discomfort	* Pain or irritation felt	Very pleasurable, better than normal pleasure	Pleasurable comparable to natural pleasure	Not so pleasurable	Discomfort	Very pleasurable, better than normal pleasure	Pleasurable comparable to natural pleasure
20 - 25 years	2.00	14.00	8.00	4.00	-	6.12	20.41	2.04	-	-	4.08	20.41	2.04	2.04	4.00	24.00
25 - 30 years	4.00	12.00	20.00	4.00	2.00	6.12	22.45	10.20	-	2.04	2.04	34.69	6.12	-	8.00	34.00
30 - 35 years	4.00	8.00	4.00	4.00	2.00	4.08	10.20	4.08	4.08	-	2.04	14.29	4.08	-	6.00	16.00
35 - 40 years	2.00	2.00	2.00	2.00	-	2.04	4.08	-	2.04	-	2.04	4.08	2.04	-	2.00	6.00
Overall	12.00	36.00	34.00	14.00	4.00	18.37	57.14	16.33	6.12	2.04	10.20	73.47	14.29	2.04	20.00	80.00

What was female pleasure level on use of condom*					
Age of female	Very pleasurable, better than normal pleasure	Pleasurable comparable to natural pleasure	Not so pleasurable	Discomfort	Pain or irritation felt
20 - 25 years	4.73	21.62	1.35	0.68	-
25 - 30 years	5.41	30.41	5.41	-	0.68
30 - 35 years	4.05	13.51	2.70	1.35	-
35 - 40 years	2.03	4.73	0.68	0.68	-
Overall	16.22	70.27	10.14	2.70	0.68

* Based on last three uses

Females in the age 25-30 reported more pleasure.

***By the third trial, none of the participants felt pain or irritation. Extreme discomfort levels were nil after the second usage.**

Comparison with other methods of contraception

Comparison of condom with other birth control procedures and safety										
Age of female	First			Second			Third		Fourth	
	Far better	Comparable	Worse	Far better	Comparable	Worse *	Far better	Comparable	Far better	Comparable
20 - 25 years	16.00	8.00	4.00	24.00	4.00	-	18.00	10.00	16.00	12.00
25 - 30 years	8.00	30.00	4.00	16.00	24.00	2.00	16.00	26.00	20.00	22.00
30 - 35 years	12.00	8.00	2.00	10.00	8.00	4.00	12.00	10.00	14.00	8.00
35 - 40 years	4.00	2.00	2.00	2.00	6.00	-	4.00	4.00	4.00	4.00
Overall	40.00	48.00	12.00	52.00	42.00	6.00	50.00	50.00	54.00	46.00

The condom was comparable and far better than other contraceptive methods.

* None of the participants found the condom worse than other methods of contraception after the second trial.

Purchase the product from market										
Age of female	First			Second		Third		Fourth		
	Yes	No	Can't Say	Yes	No	Yes	No	Yes	No	Can't Say
20 - 25 years	14.00	10.00	4.00	24.49	4.08	18.75	10.42	22.00	6.00	-
25 - 30 years	30.00	8.00	4.00	32.65	8.16	35.42	6.25	34.00	4.00	4.00
30 - 35 years	10.00	12.00	-	14.29	8.16	16.67	4.17	18.00	2.00	2.00
35 - 40 years	6.00	2.00	-	6.12	2.04	6.25	2.08	8.00	-	-
Overall	60.00	32.00	8.00	77.55	22.45	77.08	22.92	82.00	12.00	6.00

60% of participants were interested in buying the product from the market after first trial. This increased to 82% by the fourth trial.

Overall Pleasure Levels

Overall Pleasure level*		
Age	Female	Male
20 - 25 years	1.93	1.67
25 - 30 years	2.05	2.13
30 - 35 years	2.06	2.20
35 - 40 years	2.00	1.96
Over 40 years	-	1.67

Overall Pleasure level*		
Height difference	Female	Male
Male shorter	1.50	3.17
Taller upto 0.2'	1.77	1.85
Taller from 0.2' to 0.4'	2.07	2.07
Taller from 0.4' to 0.6'	2.22	2.11
Taller from 0.6' to 0.8'	2.05	2.10
Taller than 0.8'	2.04	2.08

- 1 Very Pleasurable better than natural pleasure
- 2.5 Natural Pleasure
- 5 Pain or Irritation felt

Overall it is observed both male and female in the age group of 20-25 years find it more pleasurable than the age group 30-35 years .

It is also observed that when the height difference between the partners are less both male and female gets more pleasure. When the height difference is around half a feet the pleasure is minimum for both the sexes.

Rates for Condom and Contraceptive failure

The rates for *condom failure* in terms of Stimulator failure were 11.24% overall.

The rates for *condom failure* in terms of breakage of pouch were nil.

The rates for *Contraceptive failure* in terms of condom breakage were nil.

The rates for *Contraceptive failure* in terms of false entry were nil.

The rates for *Contraceptive failure* in terms of total slippage were nil.



Female Condom

Product Development Research

First Usage Findings Report

Prepared for Medtech

Dated: 18th August 2005

Submitted by
Prastut Consulting



Report of First Usage of Female Condom Sample

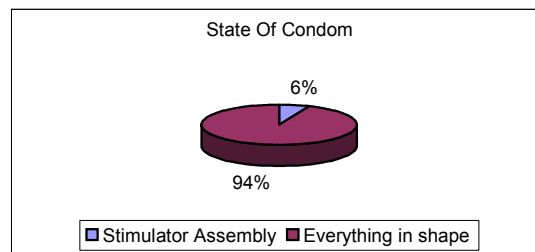
Fifty couples were supplied with samples of the first type (without the enhanced switch) during the first week of August. Upon usage of the first sample data regarding their ease of insertion, usage comfort and pleasure levels was collected. The responses obtained have been provided question wise.

Clarity of instructions

- 95% of the couples have been very clear about the product usage instructions after the briefing by the fieldworkers.
- 5% were a bit unclear with the briefing by the field workers.

State of sample

- 93.75% of the couples reported that the complete assembly was fine
- The rest 6.25% of the couples reported damage in the stimulator assembly.
 - (In the instances where damage had been detected, the stimulator switch was broken, in one case the assembly was damaged while opening the packet with sharp nails and in the third case the stimulator was not working.)



State of lubrication

- 82% of the couples reported that the sponge was adequately lubricated.
- 18% of the couples reported a lack of adequate lubrication.

Ease of insertion of condom

- 56.25% of the couples were reasonably comfortable with the insertion
- While 29.16% were very comfortable.
- 14.58% experienced discomfort.

Initial comfort to the female after insertion of condom

- 33.33% of the females felt comfortable after wearing the condom.
- 37.5% felt neutral i.e. no comfort and no discomfort.
- Stimulator was uncomfortable in 6.25% of the cases.
- ***Sponge was uncomfortable in 22.91% of the cases.***

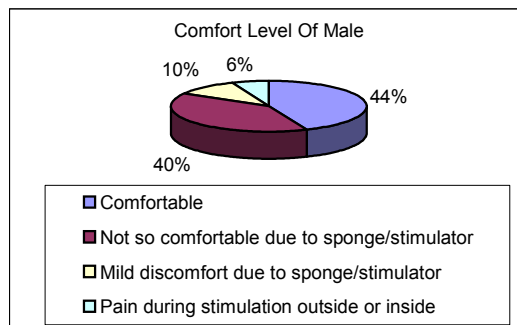
- (A meeting with respondents revealed that during the first use three females felt a strong discomfort due to the disc. The general complaint was that the sponge felt heavy.)

Sexual position

- 98% of the couples practiced vaginal sex- front entry
- 2% of the couples practiced vaginal sex- rear entry.
 - (A meeting with the respondent revealed that the couple practiced rear entry and observed that the frame was unstable in this position)

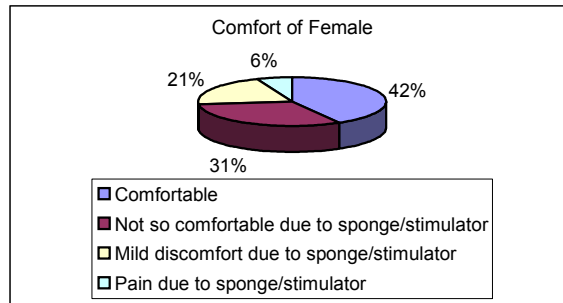
Comfort of male during the sexual act

- 21% of the males were comfortable with the condom during the sexual act
- **39.58% of the males were not so comfortable** due to sponge/stimulator
- 10.41% of the males experienced mild discomfort due to sponge/stimulator
- 6.25% of the males reported pain during stimulation.
 - (When the respondents were questioned during meetings, the complaint was that the stimulator was an obstacle during the sexual movement, thus giving pain to the males.)



Comfort of female during sexual act

- 40% of the females were comfortable with the condom.
- **30% of the females were not so comfortable** due to sponge/stimulator.
- 20% of the females experienced mild discomfort due to sponge/stimulator
- 6% of the females reported pain during stimulation.
 - (Upon further questioning after meeting the respondent, it was found that in two cases pain has been reported, but this is the result of a combined effect of discomfort after wearing the condom.)



Functioning of stimulator

- 85.41% of the couples reported proper functioning of the stimulator.
- 14.58% reported that the stimulator did not function.

Riding of condom with penis

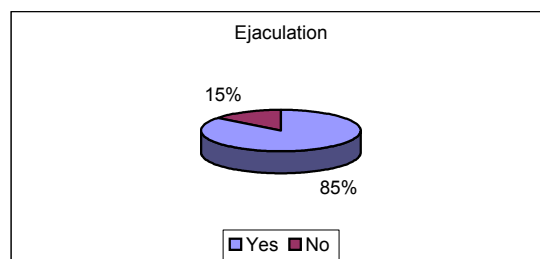
- 81.25% of the couples reported that the condom did not ride with the penis.
- 18.75 % of the couples reported that the condom did stick to the penis during the sexual act.

Position of stimulator

- 66.66% of the couples reported that the stimulator did not move during the sexual act
- 6.25% of the couples reported that the stimulator slipped sideways.
- **27.08% of the couples reported that the stimulator moved up and down.**

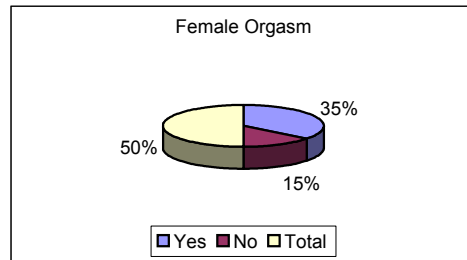
Ejaculation during sexual act

- 85.41% of the males ejaculated during sexual act.
- 14.58% of the males did not ejaculate during the sexual act.
 - (When asked the reason for failure to ejaculate mostly, the reason stated was anxiety)



Orgasm- female

- 70.83% of the females had their orgasm after the sexual act
- **29.16% of the females did not have their orgasm.**
 - (This issue was probed further because in most cases the frame was stable and the stimulator worked yet, no orgasm was reported. Thus, in most of the cases orgasm could not be attained in spite of the stimulator, due to heightened anxiety levels)



Stability of the frame

- 89.58% of the couples reported stability of the frame.
- 10.41% of the couples reported that the frame was not very stable throughout the act.

Condom slippage during sexual act

- 86% of the couples reported that the condom did not slip out on its own.
- 4% reported that the condom slipped out on its own after the act.
- 6% reported that the condom slipped out on its own after the act, but they adjusted and continued.

Ease of removal of condom

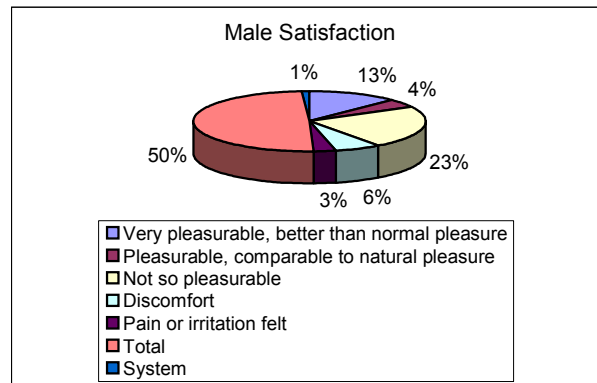
- 58.33% of the couples reported that it was easy to remove the condom
- **39.58% of the couples stated that it was difficult to remove the condom.**
- 2.08% reported that the condom slipped out on its own.
 - (Upon further probing, it was found that difficulty has been observed due to pulling of the condom thus, detaching the sponge in the process)

Assembly breakage

- 91.66% of the couples have reported that there was no breakage.
- 8.33% of the couples have reported that only the stimulator was broken.

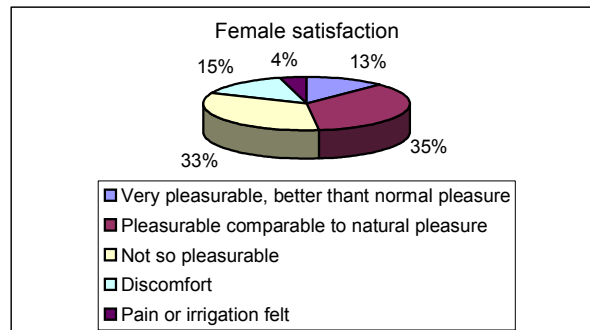
Male satisfaction levels

- 25% of the males felt the experience to be better than natural pleasure.
- 8.33% of the males felt the experience to be comparable to natural pleasure.
- **45.83% of the males felt the experience to be not so pleasurable**
- 12.5% of the males felt discomfort
- 6.25% of the males felt pain or irritation.



Female satisfaction levels

- 12.5 % of the females felt the experience to be better than natural pleasure.
- 35.41% of the females felt the experience to be comparable to natural pleasure.
- **33.33% of the females felt the experience to be not so pleasurable**
- 14.58% of the females felt discomfort
- 4.16% of the females felt pain or irritation.



Comparison of Female Condom to other methods of contraception

- 39.58% of the females considered the female condom to be far better than other contraception methods.
- 47.91% of the females considered the female condom to be comparable to other contraception methods
- **12.5% of the females considered the condom to be worse than other contraception methods**
 - (Many reasons could be attributed for the condom to be worse than other methods, starting from hassle free pills, ease of disposal of male condom, extra conspicuous nature of packing and objection by the male partner)

Inclination to buy

- 58.33% of the couples would be interested in buying the condom
- 33.33% of the couples would not be interested in buying the condom
- 8.33% of the couples are indecisive because of they do not know the price.



Female Condom

Product Development Research

Second Usage Findings Report

Prepared for Medtech

Submitted by
Prastut Consulting



Second Usage Report

Clarity of Instructions

- All the respondents were clear with the instructions.
- Where as during the first usage, 5% of the respondents were unclear with the instructions.

State of Sample

- There was no damage reported.
- The First usage showed that 6.25% of the couples reported damage in the stimulator switch and also that the battery did not work.

State of Lubrication

- 87.75% of the couples reported that the sponge was adequately lubricated, whereas the First usage reported 82%.
- 8.16% of the couples said that the sponge was more than adequately lubricated.
- While 4% of the couples felt the sponge to be less than adequately lubricated, as compared to 18% last time.
 - (2-3% of the couples felt that the pouch lacked adequate lubrication ,also in cases where the sponge needed more lubrication, one respondent felt a lot of pain due to the friction and removed the condom in the second time and continued with the act, though her husband felt a sense of heightened pleasure while the condom was worn.)

Ease of Insertion

- 59.18% of the couples were reasonably comfortable with the insertion as against 56.25% during the first usage.
- 32.65% of the couples were very comfortable with insertion as against 29.16% during the first usage
- 8.16% of the couples experienced discomfort during insertion of the condom as against 14.58% last time.

Initial comfort to the female after the insertion of the condom

- 34.69% of the respondents felt comfortable after the insertion, not much deviation from 33.33% last time.
- 44.89% of the ladies felt no comfort, but no discomfort also recording an increase from 37.5% from the last time.
- 2.04% of the respondents felt a mild discomfort due to the stimulator, a fall from 6.25% last usage.
- 16.32% of the couples felt a mild discomfort due to he sponge, as compared to 22.91% in the last usage.
- 2.04% of the ladies felt severe discomfort due to the sponge.
 - (One of the respondents felt the friction of the sponge so much that she found it difficult to walk later on. One comment was that the sponge felt like cotton. In a few cases, the battery was felt to be giving a poking feeling to the females also.)

Sexual Position

- All the respondents practised vaginal sex- front entry.

Comfort of Male during the sexual act

- 70.83% of the males were comfortable with the condom during the sexual act as compared to 21% earlier.
- 22.91% of the males were not so comfortable due to the sponge because of the disc and the battery because it pressed against the males during sexual activity.
- 6.25% of the males experienced mild discomfort due to the stimulator as against 10.41% of the males last time.
 - (The main complaint has been that the disc hurt the penis, during sexual activity)

Comfort of the female during sexual act

- 75% of the females experienced comfort during the sexual act where as only 40% experienced comfort earlier.
- 14.58% of the respondents were not so comfortable mainly due to the sponge.
- 8.33% of the respondents experienced mild discomfort due to the sponge.
 - (The stimulator did not provoke complaints the sponge and the disc were the main contributors to discomfort in most of the cases and pain in one case.)

Working of the stimulator

- The stimulator worked in all the cases as against 85.41% last time.

Riding of Condom with Penis

- 87.5% of the couples reported that the condom did not ride with the penis during the sexual act as against 81.25% last time.
- 12.5% reported the sticking of the condom to the penis.
 - (When asked to elaborate, the couples revealed that the condom did not come out during the sexual act but only partly rode with the penis because it was not firmly stuck to the vaginal walls.)

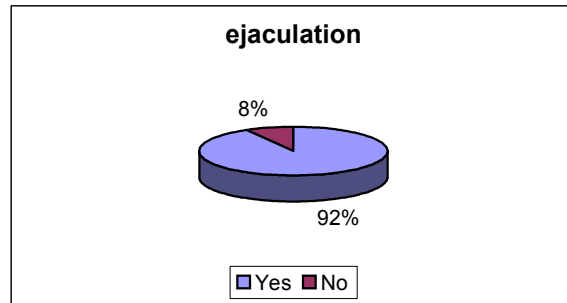
Position of the Stimulator

- 77.083% of the couples stated that the stimulator did not move during the sexual act.
- 6.25% of the couples reported that the stimulator shifted sideways.
- 16.66% of the couples reported that the stimulator shifted up and down.

Ejaculation during the sexual act

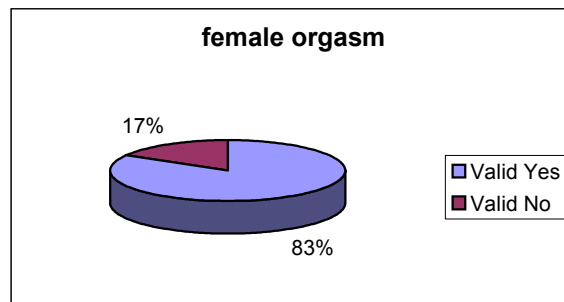
- 91.66% of the males ejaculated as compared to 85.41% the last time.
- 8.33% of the males did not ejaculate as compared to 14.58% the last time.

- (The reason for not ejaculating could be that the disc gave them a lot of inconvenience)



Female Orgasm

- 83.33% of the females had their orgasm after the sexual act as compared to 70.83% of the females during the first usage.
- 16.66% of the females did not have their orgasm as compared to 29% of the respondents last time.
 - (The main reason for not having orgasm, could be the friction the sponge had produced, as explained by the respondents.)



Stability of the frame

- 95.8% of the respondents felt that the frame was stable as against 89.58% the last time.
- 4.1% of the respondents reported that the frame was not stable as compared to 10.41% the previous usage.

Slippage of Condom

- None of the respondents reported slippage of the condom during the sexual act as compared to 86% the last time.

Ease of removal of Condom

- 72.91% of the respondents reported that the removal was easy as compared to 58.335 last time.

- 27.08% of the respondents reported difficulty in removing the condom.
➤ (The difficulty was due to understanding of the instructions.)

Understanding instructions for removal

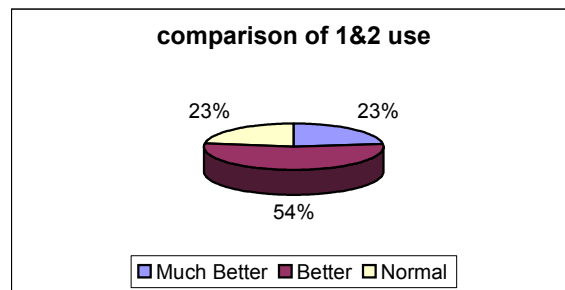
- 73.8% of the respondents understood instructions for removal.
- 26% were not clear about the instructions.

Assembly Breakage

- No one reported breakage of the condom as against 8.33% the last time.

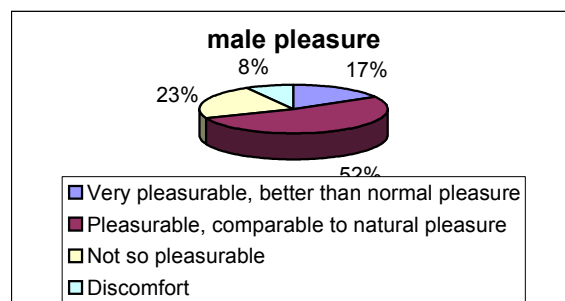
Comparing first and second usages

- 22.91% of the respondents felt much better during the second usage as compared to the first.
- 54.16% of the respondents felt better during the second usage.
- 22.91% felt no change from the first use.



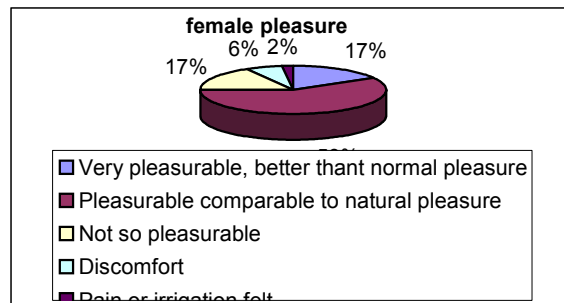
Male Pleasure Levels

- 16.66% of the males reported the pleasure to be better than normal pleasure as against 25% the last time.
- 52.08% felt the pleasure levels to be comparable to natural pleasure compared to 8.33% the last time.
- 22.91% felt the experience not so pleasurable as compared to 45.83% the last time.
- 8.33% of the males felt discomfort as against 12.5% last time.
➤ (A few male respondents felt heightened pleasure because the condom made the walls of the vagina taut as the walls become loose after normal delivery. Discomfort was due to the disc and the stimulator.)



Female Pleasure Levels

- 16.66% of the females reported the pleasure to be better than normal pleasure as against 12.5% the last time.
- 58.33% felt the pleasure levels to be comparable to natural pleasure compared to 35.41% the last time.
- 16.66% felt the experience not so pleasurable as compared to 43.33% the last time.
- 6.25% of the females felt discomfort as against 4.16% last time.



Comparison with other methods of contraception

- 51% of the respondents felt the female condom to be much better than all contraception methods.
- 42.8% of the respondents felt the female condom to be comparable to other methods of contraception.
- 6.1% of the respondents felt the female condom to be worse than other contraceptives.

Inclination to buy

- 77% of the respondents were willing to buy the female condom.
- 22% were not willing to buy the condom.
 - (Most couples that were not willing to buy the condom were apprehensive about the price and felt that the product would be expensive)



Female Condom

Product Development Research

Third Usage Findings Report

Prepared for Medtech

Dated: 6th September
2005

Submitted by
Prastut Consulting



Third Usage Report

State of sample

- 98% of the respondents received the sample without any damage
- 2% of the respondents received the sample with damage in the stimulator because it did not work.

State of Lubrication

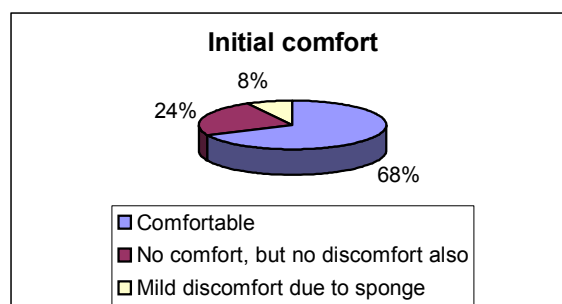
- 77.55% reported that the sponge was adequately lubricated. There has been a drop as compared to the second usage with 87.75%.
- 14.28% of the respondents felt the sponge to be more than adequately lubricated compared to 8.16% the last time.
- While 8.16% of the couples felt the condom to be less than adequately lubricated as compared to 4% the last time.

Ease of insertion

- 52.08% of the respondents felt very comfortable during the insertion of the condom as compared to 32.65% the last time.
- 45.833% of the respondents felt reasonably comfortable with the insertion of the condom as compared to 59.18% the last time.
- 2.08% of the respondents were discomforted during the insertion of the condom as compared to 8.16% the last time.
- (The main discomfort again was attributed to the cumbersome nature of sponge)

Initial comfort to the female after the insertion of the condom

- 68% of the respondents felt comfortable after wearing the condom as compared to 34.69% the last time.
- 24% of the respondents felt no comfort but no discomfort also after wearing the condom, a decrease from 44.89% since the last time.
- 8% of the respondents experienced discomfort, not deviating from the last time percentages.
- (Upon probing, the respondent felt the disc to be poking during and after insertion of the condom coupled with this, the sponge was a bit cumbersome as compressing it was a problem during insertion.)

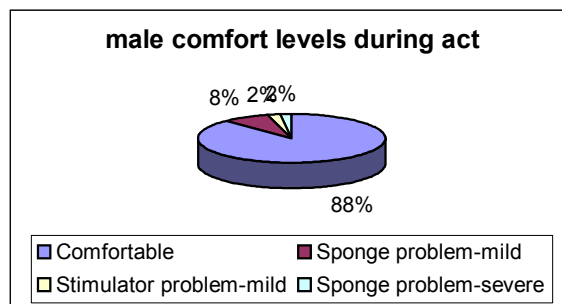


Sexual Position

- 93.877% of the respondents practised Vaginal sex- front entry.
- 2.04% of the respondents practised vaginal sex- rear entry.
- 2.04% of the respondents practised vaginal sex- standing.
- 2.04% of the respondents experimented with other positions.

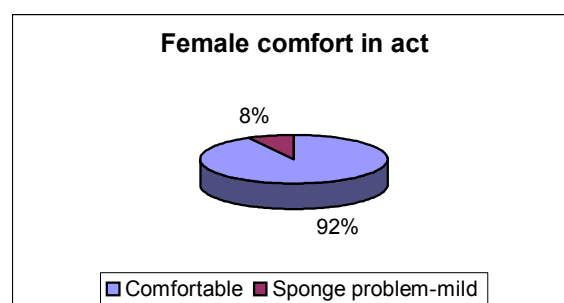
Comfort to the male during the sexual act

- 87.75% of the respondents were comfortable during the sexual act as compared to 70.83% the last time.
- 8.16% of the respondents were uncomfortable because of the sponge.
- 2.04% of the respondents were uncomfortable due to the stimulator.
- 8.04% of the respondents reported a higher degree of discomfort due to the sponge- specifically the disc.



Comfort of the female during the sexual act

- 91.83% of the respondents were comfortable during the sexual act as against 75% earlier.
- 8.16% reported mild discomfort during the sexual act attributed to the sponge. Compared to 14.58% the last time.



Confidential

Report on First Usage

Working of the stimulator

- The stimulator worked in 81.25% of the cases.
- Failure of the stimulator was reported in 18.75% of the cases.
- (In many cases it was reported that the stimulator functioned in intervals i.e. it stopped and the functioned automatically.)

Riding of the condom with Penis

- 93.8% of the respondents reported that the condom did not stick to the penis..
- 6.12% of the respondents reported that the condom did stick to the penis during the sexual act.
- (however, the respondents rectified the error and continued with the sexual act.)

Stability of the stimulator during the sexual act

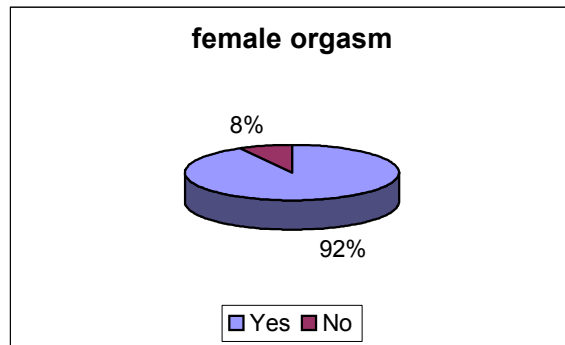
- 95% of the couples reported that the stimulator was at the correct position during the sexual act as compared to 87.5% the last time.
- 2.04% of the respondents reported that the stimulator shifted sideways as compared to 6.25% the last time.
- 2.04% of the respondents reported that the stimulator shifted up and down during the sexual act as compared to 16.66% the last time.

Ejaculation

- All the respondents ejaculated during the sexual act as against 91.66% the last time.

Female Orgasm

- 91.83% of the respondents experienced orgasm during the sexual act as compared to 83.33% the last time.
- 8.16% of the respondents did not experience orgasm as compared to 16.66% the last time.
- (When the respondents were questioned about this aspect, they replied that the inability to experience orgasm was due to stimulator failure in all cases.)



Stability of the Frame

- All the respondents reported that the frame remained stable during the sexual act as compared to 95.8% the last time.

Comparison to earlier uses

- 30.6% of the respondents were much better during the third usage as compared to the earlier usages.
- 44.89% of the respondents were better during the third usage as against the previous usages.
- 24.48% of the respondents felt no change at all.

Which aspect was easier

- 4.08% of the respondents felt the insertion had improved since the earlier use.
- 6.12% of the respondents found turning on the stimulator easier compared to earlier usages.
- 65.30% of the respondents felt an improvement in all of the above aspects.
- While 24.4% of the respondents felt no change throughout.

Slippage of the condom after the sexual act

- 96% of the respondents reported no slippage of condom after the sexual act.
- 4% of the respondents reported slippage of the condom after the sexual act.
- (Two respondents reported slippage of the condom attributed to clumsy handling on their part.)

Ease of Removal of Condom

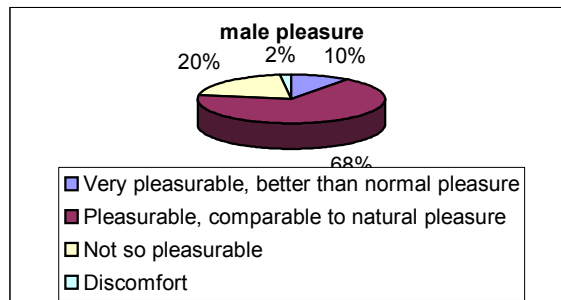
- 91.3% of the respondents found the removal of the condom easy as compared to 72.91% the last time.
- 8.1% of the respondents found the removal of the condom difficult.
 - (One response was that it is difficult to insert the finger wholly into the vagina and touch the sponge)

Breakage during or after act

- 96% of the respondents reported no breakage during or after act.
- 4% of the respondents reported a breakage in terms of partial detachment of the sponge from the pouch after removal.

Pleasure levels –Male

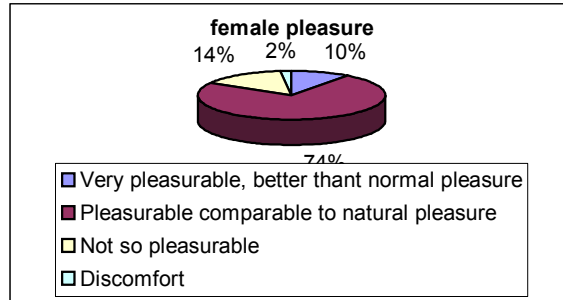
- 10.20% of the males felt the experience to be better than natural pleasure as compared to 16.66% the last time.
- 67.34% of the males found the experience to be as good as natural pleasure as against 52.08% the last time.
- 20.40% of the males found the experience not so pleasurable as compared to 22.91% the last time.
- 2.04% of the males experienced discomfort as compared to 8.33% the last time.



Pleasure level- Female

- 10.20% of the females felt the experience to be better than natural pleasure as compared to 16.66% the last time.
- 73.4% of the females found the experience to be as good as natural pleasure as against 58.33% the last time.
- 14.48% of the females found the experience not so pleasurable as compared to 16.66% the last time.

- 2.04% of the females experienced discomfort as compared to 6.25 the last time.



Comparison with other methods of contraception

- 50% of the respondents felt that this method is far better than other methods of contraception.
- While the rest find this method to be comparable to other methods of contraception.

Willingness to buy

- 74% of the respondents are willing to buy the product.
- While the rest of the respondents would like to continue with their regular methods of contraception.
 - (A few respondents feel that this method is very cumbersome as compared to the male condom, a few are apprehensive about the price.)



Female Condom

Product Development Research

**Fourth Usage Findings
Report**

Prepared for Medtech

**Dated: 17th September
2005**

Submitted by Prastut Consulting



Medtech Report Fourth use

The following is the feedback on the fourth usage of the Female Condom.

State of Sample

- All the respondents reported that the sample received was intact.
 - This is very similar to the last usage where only in one case the failure of the stimulator was interpreted as damage in the sample.

Lubrication of Condom

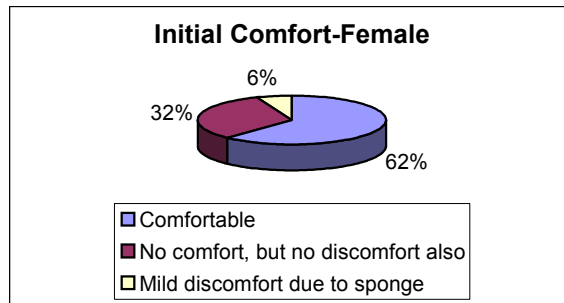
- 84% of the respondents felt that the sponge was adequately lubricated as against 77.5% the last time
- 8% of the respondents felt the sponge to be more than adequately lubricated as compared to 14.28% during the third usage.
- 8% of the respondents felt the sponge to be less than adequately lubricated as compared to 8.16% during the third usage

Ease of Insertion

- 34% of the respondents felt very comfortable during the insertion of the condom as compared to 52.08% the last time.
- 62% of the respondents felt reasonably comfortable during the insertion of the condom as compared to 45.83% the last time.
- 4% of the respondents felt discomfort during the insertion of the condom as compared to 2.08% the last time.
 - The reason for discomfort was that the disc hurt as the sponge entered the vagina.

Initial comfort to the female after insertion of the condom

- 62% of the respondents felt comfortable after the insertion, as compared to 68% of the respondents during the last usage.
- 32% of the ladies felt no comfort, but no discomfort also recording an increase from 24% from the last time.
- 6% of the ladies felt a mild discomfort, a reduction from 8% from the last time.

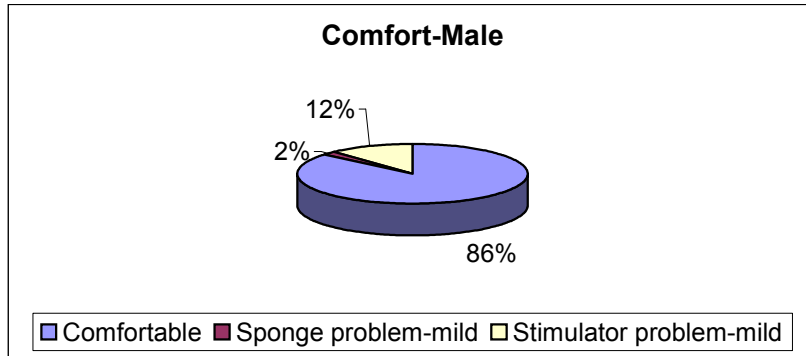


Sexual Position

- 98% of the respondents practised vaginal sex- front entry
- 2% of the respondents practised vaginal sex- rear entry

Comfort to the male during the sexual act

- 86% of the respondents were comfortable during the sexual act as compared to 87.75% the last time.
- *2% of the respondents were uncomfortable because of the sponge as compared to 8.16% the last usage.*
- 12% of the respondents were uncomfortable due to the stimulator as against 2.04% the last time.



Comfort of the female during the sexual act

- 96% of the respondents were comfortable during the sexual act as against 91.83% earlier.
- 4% reported mild discomfort during the sexual act attributed to the sponge compared to 8.16% the last time.

Working of the stimulator

- The stimulator worked in 87.75% of the cases.
- Failure of the stimulator was reported in 12.2% of the cases.

Riding of the condom with Penis

- 91.83% of the respondents reported that the condom did not stick to the penis.
- 8.16% of the respondents reported that the condom did stick to the penis during the sexual act.
 - The condom did not exactly ride with the penis, rather during some times; the condom clung to the penis, which was rectified by the respondents.

Stability of the stimulator during the sexual act

- 96% of the couples reported that the stimulator was at the correct position during the sexual act as compared to 95% the last time.
- 4% of the respondents reported that the stimulator shifted sideways as compared to 2.04% the last time.

Ejaculation

- 98% the respondents ejaculated during the sexual act as against 100% the last time.
 - The reason behind one respondent not being able to ejaculate was the disc. He felt the disc to be an obstacle and thus the process of ejaculation was taking a lot of time, however ejaculation eluded him even after the removal of the condom.

Female Orgasm

- 100% of the respondents experienced orgasm during the sexual act as compared to 91.83% the last time.
 - Even stimulator failure does not seem to have deterred the ladies from having an orgasm as it did for the last usage.

Stability of the Frame

- All the respondents reported that the frame remained stable during the sexual act, comparable to the last time.

Comparison to earlier uses

- 26% of the respondents were much better during the fourth usage as compared to 30.6% the last time.
- 40% of the respondents were better during the fourth usage as against 44.89% the last time.

- 34% of the respondents felt no change at all as compared to 24.48% the last time.

Which aspect was easier

- 2% of the respondents felt the insertion had improved since the earlier use .
- 4% of the respondents found turning on the stimulator easier compared to earlier usages.
- 4% of the respondents found removal after the sexual act to be easier.
- 66% of the respondents felt an improvement in all of the above aspects.
- While 24% of the respondents felt no change throughout.

Slippage of the condom after the sexual act

- 100% of the respondents reported no slippage of condom after the sexual act as compared.

Ease of Removal of Condom

- 96% of the respondents found the removal of the condom easy as compared to 91.3% the last time.
- 4% of the respondents found the removal of the condom difficult.
 - The reason attributed to the difficulty was that the finger is not able to touch the sponge as it is not entering the vagina completely. The sponge is too deep inside.
 - Another comment was that after the sexual act, one does not feel like inserting the finger into the vagina.

Breakage during or after act

- 100% of the respondents reported no breakage during or after act.

Pleasure levels –Male

- 20% of the males felt the experience to be better than natural pleasure as compared to 10.20% the last time.
 - 68% of the males found the experience to be as good as natural pleasure as against 67.34% the last time.
 - 12% of the males found the experience not so pleasurable as compared to 20.40% the last time.
- In cases where the pleasure levels are not high, the discomfort could be attributed to the stimulator and the disc, which acted like an obstacle and also hurt the penis, when not correctly inserted.

Pleasure level- Female

- 20% of the females felt the experience to be better than natural pleasure as compared to 10.20% the last time.
- 80% of the females found the experience to be as good as natural pleasure as against 73.4% the last time.

Comparison with other methods of contraception

- 54% of the respondents felt that this method is far better than other methods of contraception.
 - While the rest find this method to be comparable to other methods of contraception.
- However, the male condom was preferred in a few cases sometimes because of the husband and sometimes because of the wife. The husband preferred the male condom because either the battery was causing discomfort or the disc posed as an obstacle, sometimes a painful one. The females preferred the male condom because of the elaborate procedure. The fact that this was more pleasurable, was not above the inconvenience factor.

Willingness to buy

- 82% of the respondents are willing to buy the product.
- While the rest of the respondents would like to continue with their regular methods of contraception.