

A Quasi Experimental Non-Equivalent Control Group Pre Test-Post Test Design Study was conducted to assess the Effectiveness of Information Booklet in Terms of Knowledge & Attitude regarding PPIUCD among Primigravida Mothers Residing in Selected Rural Area at Moradabad

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Abstract: To assess the knowledge & attitude score regarding PPIUCD among primigravida mothers in experimental & control group. To evaluate the effectiveness of information booklet regarding PPIUCD among primigravida mothers in experimental & control group. To find out the relationship between the knowledge & attitude post test score of primigravida mothers regarding PPIUCD among experimental & control group. The research design adopted for the study was quasi-experimental non-equivalent control group pre-test-post-test design. A pre-test was conducted in both experimental and control group. Informational booklet was given only to the samples in the experimental group and post test was conducted after gap of seven days for both experimental and control group to assess the effectiveness of informational booklet in terms of knowledge and attitude regarding PPIUCD among primigravida mothers. The tool was validated by 7 experts, of which 5 are nursing experts, 1 female health counselor and 1 is an obstetrician. Pilot study was conducted, to establish reliability and feasibility of the tool. The computed value of co-efficient of correlation was $r=0.74$, indicating that the tool was highly reliable for the final study. In experimental group, the majority of primigravida mothers were within the age group of 18-22 years (15 i. e.50%), majority of samples 14 (47%) were having primary education, maximum samples 19 (63%) were lived in joint family, almost of the sample 19 (63%) were house wife, majority of respondents 19 (63%) were belonged Muslim religion, followed majority of samples 19 (63%) had got information from the health professional. In attitude experimental group, pre-test among 30 primigravida mothers 10 respondents (33.33%) had strongly disagree, 08 respondent 26.66% had disagree, 7 respondent (23.33%) had neutral attitude, and 5 participant (16.66%) had agree, whereas in the post-test, it was observed that 02 (6.66%) respondent had disagree, 04 respondent (13.33%) had neither disagree, 08 respondent (26.66%) had agree, and 16 participant (53.33%) had strongly agree. This implies that there is a marked improvement in the attitude level of the participants after implementation of informational booklet.

Keywords: Knowledge and attitude, information booklet, effectiveness, rural area, Primigravida mothers

1. Introduction

An intrauterine gadget (IUD), otherwise called intrauterine prophylactic gadget (IUCD or ICD), is a little, regularly T-molded contraception gadget that is embedded into the uterus to forestall pregnancy. IUCDs are one type of long-acting-reversible conception prevention (LARC). One investigation discovered that female family arranging suppliers pick LARC strategies all the more frequently (41.7%) than the overall population (12.1%). Among anti-conception medication techniques, IUCDs, alongside prophylactic inserts, bring about the best fulfillment among clients. IUCDs are protected and compelling just as the people who have not recently had children.¹³

The historical backdrop of the IUCD is a turbulent one. Before the twentieth Century there is no obvious proof of the inclusion of unfamiliar articles into the human uterus to go about as contraception. There is, nonetheless, proof that hundreds of years prior brokers in the Middle East used to

forestall pregnancy in camels by embedding rocks into their uteri prior to making long journeys through the desert.¹⁴ Jack Lippes helped begin the increase of IUCD use in the United States in the late 1950s. In this time, thermoplastics, which can bend for insertion and retain their original shape, became the material used for first-generation IUCDs. In the following years, many different shaped plastic IUCDs were invented and marketed.¹⁵ The invention of the copper IUCD in the 1960s brought with it the capital 'T' shaped design used by most modern IUCDs. U. S. physician Howard Tatum determined that the 'T' shape would work better with the shape of the uterus, which forms a 'T' when contracted. He predicted this would reduce rates of IUCD expulsion. Together, Tatum and Chilean physician Jaime Zipper discovered that copper could be an effective spermicide and developed the first copper IUCD, TCu200. Improvements by Tatum led to the creation of the TCu380A (ParaGard), which is currently the preferred copper IUCD. initially the goal was to mitigate the increased menstrual bleeding associated with copper and inert IUCDs.¹⁷

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It has been noticed that a few post pregnancy moms couldn't return for IUCD inclusion because of a few difficulties. Others disregarded the strategy in view of the medical care suppliers' negative exposure of the technique that depended on data which was at this point not legitimate. Some others couldn't get to the help for absence of prepared suppliers at wellbeing offices. An absence of familiarity with the strategy was one more supporter of its low take-up (ACQUIRE Project, 2008).³⁹

As indicated by Grimes et al (2015) just 45 % of post pregnancy ladies returned for span inclusion contrasted with 95 % who had additions promptly post pregnancy in Colombia. As indicated by this review, a critical extent of ladies doesn't return for stretch addition of IUCD and accordingly don't profit from the PPIUCD's benefits. It shows the effect of strategic difficulties associated with return visits as revealed by Acquire Project (2008).⁴⁰

As per the State measurements Population of India-With a populace of over 1.35 billion, India has seen a gigantic development in its populace over the most recent 50 years. As per gauges, India will turn into the most populated country on the planet by 2030 leaving behind China. Populace of Indian states like Uttar Pradesh, Maharashtra and Bihar is more than numerous nations all over the planet. Uttar Pradesh, India's most populated state is as of now home to more than 223 million individuals. The majority of the states in India are thickly populated when contrasted with different spots on the planet, hence prompting risk of climate awkward nature. Populace development pace of many exceptionally populated states in India is 5% to 18% in 10 years. This development throughout the long term brings a disturbing sign for the entire country as normal assets are restricted in future. Legislature of India has found a way several ways to really look at populace development in the states yet with very little success.⁴³

Socioeconomics of India is the second most populated country on the planet with almost a fifth of the total populace. As indicated by the 2017 update of the World Population Prospects the populace remained at 1, 324, 171, 354. During 1975-2010 the populace multiplied to 1.2 billion. The Indian populace arrived at the billion imprint in 1998. India is projected to be the world's most crowded country by 2024, outperforming the China. It is relied upon to turn into the primary political substance in history to be home to more than 1.5 billion individuals by 2030, and its populace is set to arrive at 1.7 billion by 2050. Its populace development rate is 1.2%, positioning 94th on the planet in 2013.⁵⁶ In the seventh five-year plan (1985-1990) unique accentuation was laid on the utilization of dispersing techniques for a huge scope,, to further develop the couple security rate particularly for the more youthful age bunch. Nonetheless, it had minimal beneficial outcome since the level of clients of dividing techniques in the nation stayed unaltered at a similar degree of 12.2 percent (National Family wellbeing Survey-2). According to NPHS-2, 15.8 percent of the couples felt the requirement for dividing or restricting the family in spite of the fact that they were not utilizing any strategy for contraception. For the successful utilization of dividing strategies by various populace

bunches in our country, there is a pressing need to make mindfulness among these segments.⁵⁹

2. Literature

Review I: Studies connected with intercession to advance information on PPIUCD.

Review II: Studies connected with Studies connected with disposition on PPIUCD among Primigravida mother

3. Methodology

Strategy is the main piece of any examination study and is characterized as the manner in which the relevant data is assemble to address the exploration question or investigate the examination issue. It empowers the scientist to frame a blue print for the exploration embraced. It incorporates different advances that are for the most part embraced by the analyst in concentrating on the examination issue alongside the rationale behind them. Research approach is an approach to deliberately address the exploration problem.¹

The current review is pointed toward evaluating the adequacy of Information Booklet as far as Knowledge and Attitude in regards to PPIUCD among Primigravida Mothers living in chosen rustic region at Moradabad.

In the current review, semi exploratory non comparable benchmark group pretest-posttest research configuration was utilized. A pre-test was led in both trial and control bunch. Educational booklet was given uniquely to the examples in the exploratory gathering and post test was led after hole of seven days for both test and control gathering to survey the viability of instructive booklet as far as information and demeanor in regards to PPIUCD among Primigravida moms.

The part manages the strategy took on for the review. It depicts Research approach, Research plan, populace, test, examining strategy, inspecting size, setting of the review, Criteria for test determination, Method of information assortment, Demographic factors, Development of organized information poll, Modified Likert scale for the appraisal of disposition, Development of Information Booklet, Validity of the Tool, Pilot review, Reliability of the device, Data assortment Procedure, Plan for information investigation and Ethical thought.

Research configuration was the specialists generally speaking arrangement for getting a solution to the examination question. The examination configuration explains essential systems that the exploration embraced to foster data that is exact and interpretable"³⁰

4. Result and Findings

This section manages the investigation and translation of the information. Examination is the technique for getting sorted out information so that the analyst questions can be responded to. Understanding is the most common way of sorting out the outcome and of inspecting the ramifications of the finding inside more extensive context.¹This section presents the investigation and translation of information

gathered from 60 (30 test gathering and 30 benchmark group) Primigravida moms to survey the viability of data booklet on PPIUCD. The gathered information were organized examined and deciphered with the utilization graphic and inferential measurements.

Uncovers that the disposition of test on PPIUCD. The disposition of test was surveyed by utilizing a Five point likert mentality scale with 20 things on PPIUCD. The demeanor apparatuses score was most extreme 100 and least score were 20. The Primigravida mother who score under 20 were emphatically differ to the focuses on the mentality scale, The Primigravida mother who score over 20 and under

40 were differ to the marks of demeanor scale, the subject with the score over 40 and under 60 were consider to have Neutral disposition, The Primigravida mother who score over 60 and under 80 were consenting to the places of disposition scale, the subject with the score over 80 and under 100 were firmly consenting to points of demeanor scale about PPIUCD

Section 1: Percentage distribution level of knowledge among Primigravida mother in experimental group related to PPIUCD in pre-test and post-test.

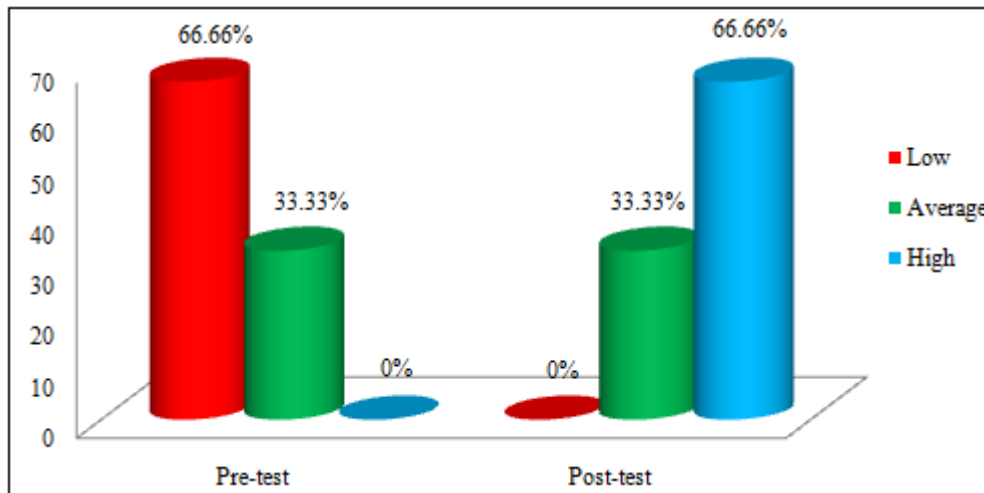
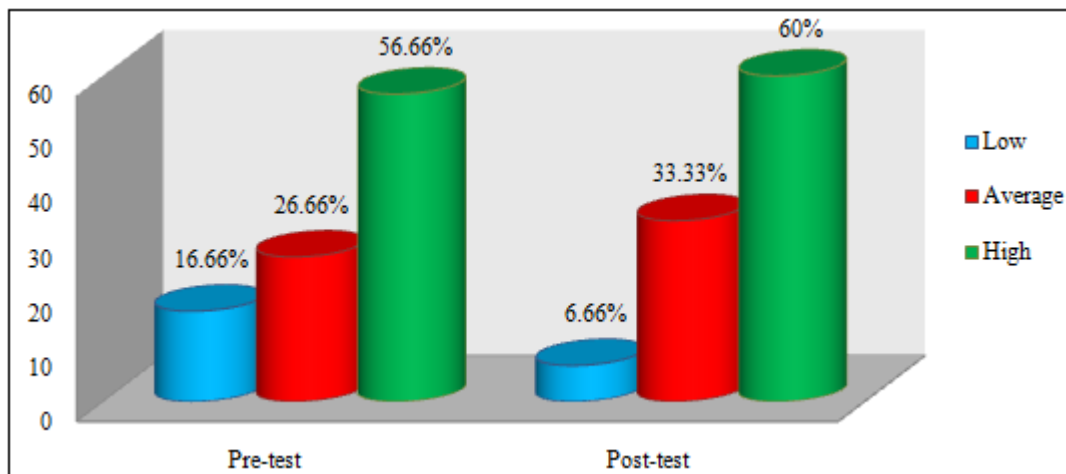


Figure 1: In post-test, 10 respondents (33.33%) had normal information and Followed by 20 respondents (66.66%) had high information.



Percentage distribution level of knowledge among Primigravida mother in control group related to PPIUCD in pre test and post test.

5. Discussion

The information level of the examples in the trial bunch for the pre-test is as per the following: Majority of the respondents had low information 20 (66.66%) trailed by normal information 10 (33.33%), where as in post-test, greater part of the moms 20 (66.66%) had high information, trailed by 10 respondents (33.33%) with normal information.

6. Similar study finding

A comparable report was directing in MCH focus, Rajkot, Gujarat. Among 50 Primigravida mother. A huge contrast was seen in pre-test and post-test information score. pre test mean 15.09 ± 3.340 and post-test mean was 25.75 ± 2.238 . Paired't test esteems shows that it is perpetually huge at $p < 0.01$. A critical affiliation was found between the information on segment factors, for example, with the c2 esteem 4.828, which is huge at the degree of 0.05 c2 esteem 24.40, which is huge at 0.005 and pay with c2 worth of

13.81, which is huge at 0.001. to finding shown that data booklet was successful in working on the information on Primigravida mother.

In the current review, information surveyed in the trial bunch, mean score of the pre-test 13.1 (SD=2.53) and post-test mean score expanded to 18.57 (SD=2.75) and SD blunder 0.72 with paired't' worth of 2.57. .

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