
Sexual Abuse Prevention Program for School Age Children

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Abstract: Child sexual abuse is one of the most studied childhood traumatic events. *The aim* of this study was to evaluate the effect of sexual abuse prevention program for school age children. *Research design:* A quasi-experimental design was utilized to fulfill the aim of this study. *Setting:* The present study was conducted at one Primary School in Benha City. *Sample:* 100 students from previously mentioned setting by using a multi stage simple random sample technique were used in this study. *Tools:* Two tools were used in data collection, a structured interviewing questionnaire and pre/post child sexual abuse likert scale to assess children attitude. *Result:* Indicated that 74% of boys and 80% of girls aged $11 \leq 12$ years, 37.0% of boys and 35.0% of girls were exposed to sexual abuse at home, 73% and 46% of the studied school age children had unsatisfactory knowledge about sexual abuse prevention, in boys and girls respectively pre program, while 84% and 95% of them had satisfactory knowledge post program in boys and girls respectively. There were significant positive correlation of total children' knowledge and attitude with their age, gender, exposure to sexual abuse and parent relationship. *Conclusion:* The study concluded that the prevention program lead to significant improvement in children knowledge and attitude about sexual abuse prevention. *Recommendation:* Parents must be involved in the process of sexual abuse prevention and provision of instructional booklets for children to increase self protection knowledge and skills to avoid child sexual abuse.

Keywords: Child Sexual Abuse, Knowledge, Attitude, Prevention Program

1. Introduction

The children are the greatest investment of any society and the main basis for its development. School age children constitute a significant and important sector of the community who are constantly growing and developing. This basic dynamic character accounts for increased vitality and vulnerability to many health problems, so requires specific health promotion and prevention in relation to seeking health and using various resources to attain optimum health [17].

School age is one of the most important times in human development, experiences and relationships throughout childhood shape how children will ultimately relate with others and how they will perceive themselves. Often, these experiences go on to become internalized such that they affect a person's daily life experiences; one of the most devastating childhood events that have significant long-term

and often lifelong consequences is Child Sexual Abuse (CSA). A variety of adult psychiatric disorders, including major depression, personality disorders, and self-harming behaviors have been linked to childhood sexual abuse [10].

Child abuse is any action by another person – adult or child that causes significant harm to a child; an abused child will often experience more than one type of abuse, as well as other difficulties in their lives. Child abuse can be domestic, physical, sexual, neglect, online, emotional, and bullying, but can just as often be about a lack of love, care and attention [21].

Child sexual abuse is often referred to as a silent epidemic either due to ignorance or denial of the problem; is any interaction between a child and an adult or an older youth in which the child is used for the sexual gratification of the adult. The CSA can include contact (touching of the vagina, penis, breast or buttocks, oral-genital contact or sexual

intercourse) and non-contact behaviors (voyeurism, exhibitionism, or exposing the child to pornography, communication in a sexual way by phone, internet or face-to-face) [4] & [26].

Children by nature are particularly vulnerable to all types of abuse because of their temporary helplessness and dependence on adults and lack of knowledge about danger and self-protection. Learning about sexual abuse prevention is necessary, but it is not enough to ensure children's safety. Prevention and teaching about sexual abuse are the responsibility of parents and adults [9].

Worldwide it is estimated that, at least 1 in 10 girls and 1 in 20 boys experience some form of sexual abuse in childhood. Those who are sexually abused as children are more susceptible to depression, eating disorders, suicidal behavior and drug and alcohol problems later in life, and are more likely to become victims of sexual assault as adults. In many countries, children are taught how to recognize, react to and report abuse situations through school-based programs designed to help prevent sexual abuse [31].

Child sexual abuse is an issue that makes families extremely uncomfortable, because of it hurts to think about anyone harming children. However, unreported or untreated child sexual abuse not only scars children and destroys families, it also leaves offenders free to abuse and cripple future generations [26].

Children who are taught about preventing sexual abuse at school are more likely than others to tell an adult if they had, or were actually experiencing sexual abuse. The children who are sexually abused are more susceptible to depression, eating disorders, suicidal behavior and drug and alcohol problems later in life, and are more likely to become victims of sexual assault as adults [31].

Prevention programs were effective in increasing children's knowledge about sexual abuse; children who participated in prevention programs were also more likely than other children to protect themselves in a simulated abuse scenario in which they were asked to leave the school and go with someone they did not know. Also improve in protective behaviors and knowledge among children [31] & [29].

The nurse focused on preventing the spread of diseases and treating ailments related to compulsory school attendance. The focus had shifted to preventive and promotive activities including case finding, integration of health concepts into school curricula, and maintained of healthful school environment. Nurse should raise awareness about prevention of sexual abuse among school age children; to teach children effectively, parents and teachers should be well informed about the complex impact of sexual abuse on children and other key facts. Whatever advice or instructions are given to children, they must be grounded in honest explanation and a good knowledge of the facts [5] & [1].

1.1. Significance of the Study

In Egypt, the school age children from 6-12 years old are 7, 4464 million. School students in Egypt are influenced by the general problems of childhood, high density in class (70

student/ class), environmental population and educational stress as many are forced to operate in two shifts in a day. Age is a significant factor in sexual abuse. While there is risk for children of all ages, children are most vulnerable to abuse between the ages of 7 and 13. The median age for reported abuse is 9 years old. However, more than 20% of children are sexually abused before the age of 8 years [17] & [18].

School aged children in Egypt need more education about prevention of sexual abuse. Children who have been on abuse prevention programs are more likely to tell an adult if they have been abused.

1.2. Aim of the Study

The study aimed to evaluate the effect of sexual abuse prevention program for school age children through:

- Assessing children knowledge and attitude regarding sexual abuse.
- Designing prevention program according to previously needs.
- Implementing and evaluating the outcome of the prevention program.

1.3. Research Hypotheses

- School age children who received program would have improved knowledge and attitude regarding prevention of sexual abuse.

2. Subjects and Methods

2.1. Research Design

A quasi-experimental design was utilized to fulfill the aim of this study.

2.2. Setting

The study was conducted at one Primary School in Benha City (El- Imam Mohammed Abdu School) which selected randomly from five Schools in Benha City.

2.3. Sample

100 students from the previously mentioned setting by using a multi stage simple random sample technique were used in this study, as follow; first stage: one primary school randomly selected from the five Governmental Primary Schools which found in Benh City (El-Thwra School, El- Imam Mohammed Abdu School, El- Imam Mohamed Metwally El Shaarawy School, Ibn Khaldun School, Gameia El- Shabab El-Moslmeen School). Second stage: by using simple random sample two classes from grade six have been chosen, and third stage student of these classes stratified to boys and girls. From each stratum 50 girls and 50 boys were selected randomly.

2.4. Tools of Data Collection

Two tools were used for data collection.

First tool: A structured interviewing questionnaire was

designed by the researchers in an Arabic language in the form of closed and open-ended questions after reviewing of related literature, which comprised of four main parts:

Part I: General characteristics of the studied children as (age, gender, residence, number of sibling, rank of family, house room, and parent relationship).

Part II: General characteristics of the studied children's parents as (age, education level and occupation).

Part III: History of children exposed to sexual abuse as (age of exposure, number of exposure, gender of person who do, degree of relation, telling someone about sexual abuse, and defense during sexual abuse).

Part IV: Children's knowledge about sexual abuse, it was composed of the following items as; meaning of sexual abuse, signs and symptoms of sexual abuse, route of sexual abuse, psychological problems associated with sexual abuse, common age of sexual abuse and prevention from sexual abuse).

Scoring system: the responses for each item are scored (3) for good, (2) for average and (1) for poor knowledge. The total scores of the knowledge of the question were 24 degree. Those who obtained <60% were considered having unsatisfactory knowledge and those who obtained ≥ 60 was considered having satisfactory knowledge.

Second Tool: Child Sex Abuse Attitude Scale was adopted from [7] that composed of 14 items, and children's responses were categorized into either agree, indifferent and disagree.

Scoring system: The total score of attitude scale was 42 degree and translated into positive and negative attitude, where scores $\geq 75\%$ was graded as positive attitude, while scores < 75% was graded as negative attitude.

2.5. Tools Validity and Reliability

Tools were reviewed by a panel of five experts in the field of Pediatric Nursing and Community Health Nursing to test content validity and reviewed the tools for clarity, relevance, comprehensiveness, simplicity and minor modification was done. Testing reliability of the proposed tools was done statistically by Cronbach alpha test.

2.6. Administrative Design

Official letters were issued from Dean Faculty of Nursing, Benha University to the Director of the selected previously setting; explaining the aim of the study and asking permission for data collection and participation of children in research process.

2.7. Ethical Considerations

Each studied child and parents were informed about the purpose and benefits of the study at the beginning of the study. An oral consent was obtained from each studied child and parents before starting the data collection. Confidentiality and anonymity of each student were assured through coding of all data. The studied children were assured that data was used only for research purpose, participation is voluntary and the freedom to withdrawal from participation

at any time.

2.8. Pilot Study

A pilot study was carried out on 10% of the studied children (10), to test the clarity and applicability of the study tools as well as estimation of the time needed to fill the questionnaire. Data obtained from the pilot study was analyzed and some items of questionnaire were modified and unnecessary were omitted. The necessary modifications on the study tools were done; those who participated in the pilot study were excluded from the main study sample.

Field work: The actual field work was carried out from the beginning of October, 2014 until the end of March, 2015 in the previously mentioned setting covering six months. An official approval to carry out the study was obtained from Dean of Faculty of Nursing to Director of Primary School. The researchers visited the previously mentioned setting two days/week (Monday and Thursday) from 11.00 A.m. to 1.00 P.m. until the predetermined sample size completed. The average time consumed to fill in the tools was 45 minutes.

3. Program Construction

To fulfill the aim of the current study, the following phases were adopted; assessment, planning, implementation, and evaluation phases. *Assessment phase:* This phase encompassed interviewing the studied children and parents to collect baseline data, at the beginning of the interview the researchers greeted the children, introduced themselves to each child included in the study, explained all information about the study purpose, duration, and activities and taken an oral consent. Data was collected by the researchers through administration of the tools to each child. The average time for the completion of each child interview was around 30-45 minutes, divided as 10-20 minutes for the first tool, and 10-25 minutes for the second tool; average number collected was 5- 10 child / day. The total sample was divided into 10 subgroups that include 10 children for each session.

3.1. Planning Phase

Based on the needs identified in the assessment phase and relevant review of literature, the researchers developed a booklet about CSA prevention program. This was prepared in simple Arabic language to suit children' level of understanding and distributed to all recruited children in the study to achieve its objectives. As well as session's number and its contents, different methods of teaching and instructional media were determined accordingly.

3.2. Implementation Phase

The prevention program was implemented over six months, it was carried out in 5 sessions; 3 sessions for knowledge about the following: session one includes; meaning of children sexual abuse, signs and symptoms of sexual abuse 30 minutes. Session two includes; common age of exposure to sexual abuse, psychological problems

associated with sexual abuse 30 minutes. Session three includes: routes of sexual abuse and prevention of sexual abuse children are taught self-assertion skills, a self-defense yell, and are encouraged to ask friends for help and to tell a trusted adult if an incident of abuse occurs. (45 minutes). Two sessions for attitude were started first with discussion to assess children's feedback about attitude 5 minutes then sessions begins about protective attitude from sexual abuse 10 minutes. The duration of each session ranged between 30-45 minutes. At the beginning of each session, the researchers started by a summary about what was given through the previous session and objectives of the new one, taking into consideration using simple and clear language to suite the children. Different teaching methods were used including small group discussion, lectures and brainstorming role-playing, behavior modeling, and rehearsal. The teaching aids used were brochures, colored posters, and laptop screen show videos about sexual abuse prevention and short stories. Each child of all studied groups obtained a copy of the educational program in Arabic language booklet included all topics. An open channel communication was achieved between researcher and children to ensure understanding, answer any question and to verify information given.

3.3. Evaluation Phase

The prevention program was evaluated through post test; by using the same of pretest tools that were conducted immediately after implementation of program, by comparing the change in children' knowledge and attitude.

3.4. Limitation of the Study

Difficulty in conducting the sessions during the teaching hours.

3.5. Statistical Design

Data analysis was done using Statistical Package for Social Science (SPSS) version 20.0 application. Qualitative data described by number and percent, where quantitative data described using means and standard deviation. Chi-square used to test relation between qualitative variables. Pearson correlation co-efficient (Pearson's *R*): tests for an association between two variables. A statistically significant difference was considered at $p \leq 0.05$, and a highly statistically significant difference was considered at $p \leq 0.001$.

4. Results

Table 1. Shows that 74% of boys and 80% of girls aged $11 \leq 12$ years with a mean age 11.2 ± 2.3 years. Where about 74% of boys and 76% of girls exist in urban area, 76% of boys had $3 < 6$ siblings mean while 88% of girls had $1 < 3$ siblings. According to the rank in the family 46% of boys were last meanwhile 30% of girls were first. Regarding parents' relationship 56% of boys had weak parents' relationship while 52% of girls reported moderate parents' relationship.

Table 1. Distribution of the studied children according to their general characteristics (n=100).

Items	Boys		Girls	
	No	%	No	%
Age in years				
10 < 11	13	26.0	10	20.0
11 ≤ 12	37	74.0	40	80.0
X ± SD	11.2±2.3			
Residence				
Rural	13	26.0	12	24
Urban	37	74.0	38	76
Number of sibling				
1 < 3	12	24	44	88
3 < 6	38	76	6	12
Rank in family				
First	5	10	15	30
Middle	22	44	24	48
Last	23	46	11	22
House room				
1-2	31	62	44	88
3-4	14	28	3	6
4-5	5	10	3	6
Parents relationship:				
Good/excellent	10	20	12	24
Moderate	12	24	26	52
Weak/fair	28	56	12	24

Table 2. Reveals that the studied children' parents age < 35 with a mean age 32.5 ± 2.5 years. As regard educational level 48% of boys and 46% of girls stated that father had University education. Regarding occupation 100% of boy's fathers were working, meanwhile 74% of mothers were not working.

Table 2. Distribution of the studied children' parents according to their socio- demographic characteristics (n=100).

Items	Father				Mother			
	boys		girls		boys		girls	
	No	%	No	%	No	%	No	%
Age in years								
20 > 25	2	4	9	18	6	12	11	22
25 > 30	17	34	8	16	22	44	15	30
30 < 35	31	62	33	66	22	44	24	48
X ± SD	32.5±2.5							
Educational level								
Illiterate	1	2	2	4	2	4	8	16
Read & write	12	24	6	12	8	16	11	22
Secondary	13	26	19	38	18	36	17	34
University	24	48	23	46	22	44	14	28
Occupation								
Working	50	100	50	100	13	26	15	30
Not working	0	0	0	0	37	74	35	70

Figure 1. Illustrates that 70% of boys and 40% of girls were exposed to sexual abuse from other.

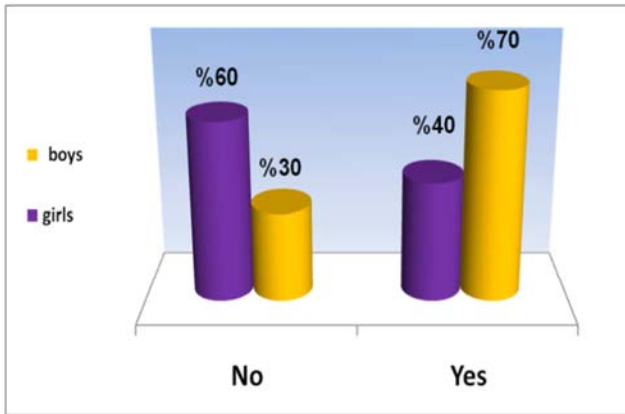


Figure 1. Percentage distribution of the studied children who exposed to sexual abuse (No. 100).

Table 3. Elaborates that the studied children’s age of exposed to sexual abuse was 58% of boys were 11 ≤ 12 years, while 76% of girls were 10 < 11 years. As regard number of children exposed to sexual abuse was 85.7% of boys and 75% of girls were exposed 1-3 times. 84% of boys and 80% of girls abuse from male. As regards degree of relation 56% of boys were relative while 58% of girls were stranger.

Table 3. Distribution of studied children history to sexual abuse exposed (n=100).

Items	Boys n=50		Girls n=50	
	No	%	No	%
-Age of exposed				
10 < 11	21	42	38	76
11 ≤ 12	29	58	12	24
-Number of exposure				
1-3	42	84	40	80
4-7	8	16	10	20
- Gender of person who do				
Male	43	86	47	94
Female	7	14	3	6
-Degree of relation:				
- Stranger	22	44	29	58
-Relative	28	56	21	42
-Telling someone about sexual abuse:				
Yes	30	60	18	36
No	20	40	32	64
- Defense during sexual abuse:				
Yes	30	60	23	46
No	20	40	27	54

Figure 2. Reveals that 37.0% of boys and 35.0% of girls were exposed to sexual abuse at home while 29.0% of boys

and 25.0% of girls at social gathering and 14.0% of boys and 5.0% of girls at school.

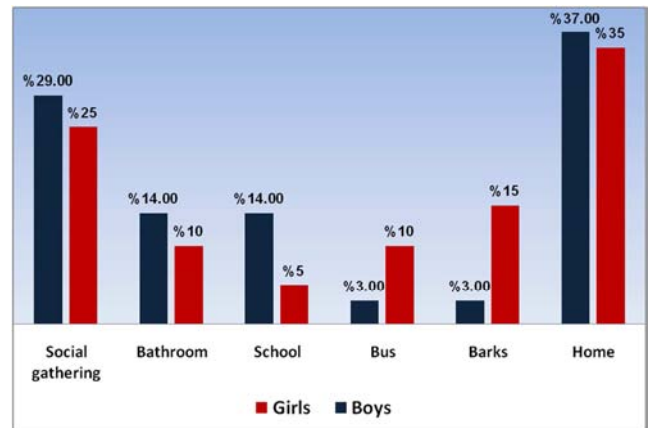


Figure 2. Percentage distribution of the studied children exposed to sexual abuse according to place (n=100).

Figure 3. Illustrates that 50% of boys and 46% of girls were hated reaction after exposed to sexual abuse.

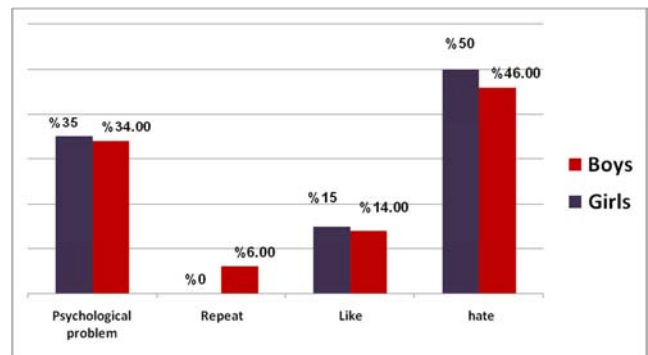


Figure 3. Percentage distribution of studied children according to their reaction after exposed to sexual abuse (n=100).

Table 4. Shows that 84% of studied children had good knowledge for signs and symptoms about child sexual abuse. Moreover 79% of studied children had good knowledge for encouraging children to report sexual abuse. In addition there were highly statistically significant difference (P < 0.001) between pre and post prevention program regarding total sexual abuse prevention.

Table 4. Percentage distribution of the studied children' knowledge regarding sexual abuse pre/post prevention program (n=100).

Items	Post program			Pre program			X ²	P
	Poor	Average	Good	Poor	Average	Good		
	%	%	%	%	%	%		
The meaning of child sexual abuse	30	40	30	6	17	77	6.23	<0.05
Sign and symptom of child sexual abuse	52	35	13	4	12	84	3.15	<0.05
The route of sexual abuse are	71	23	6	5	26	69	5.71	<0.05
Common age of sexual abuse	53	31	16	6	24	70	5.08	<0.01
Psychological problems associated with sexual abuse	63	22	15	3	17	80	3.02	<0.01
Prevention								
- Teaching children to avoid child sexual abuse	42	46	12	3	27	70	4.06	<0.05
-Giving children the skills to repel sexual abuse	52	35	13	7	27	66	5.02	<0.05
-Encouraging children to report sexual abuse	66	28	6	5	16	79	3.91	<0.05

Figure 4. Shows that 73% and 46% of studied children had unsatisfactory knowledge about sexual abuse prevention, in boys and girls respectively pre program, while 84% and 95% of them had satisfactory knowledge post program in boys and

girls respectively. There was statistically significant difference ($P < 0.01$) in children's knowledge with their gender.

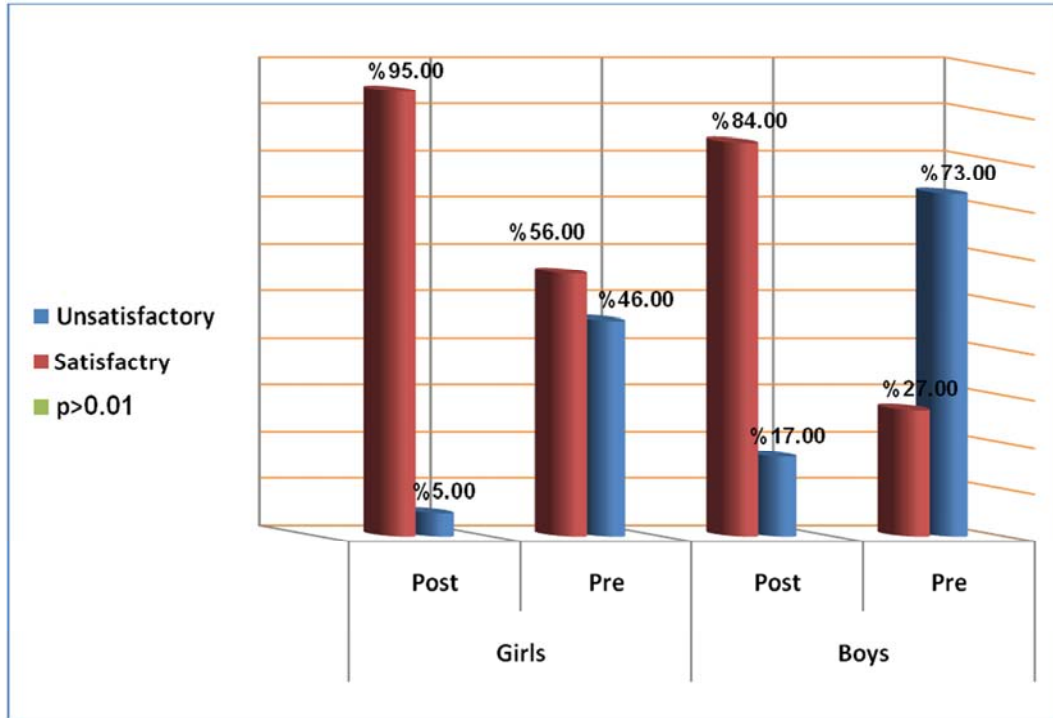


Figure 4. Relation between children gender and their knowledge about sexual abuse prevention pre/post program.

Table 5. Displays that there were statistically significant difference between children attitude pre and post program at all items.

Table 5. Percentage distribution of studied children' attitude towards sexual abuse (n=100).

Items	Pre program			Post program			X ²	P
	Disagree %	Indifferent %	Agree %	Disagree %	Indifferent %	Agree %		
Most children who report sexual abuse are telling the truth. (reverse)	23	9	68	56	10	34	3.7	<0.001
Children believe that child sexual abuse should be prevented by law.	12	23	65	3	12	85	4.71	0.01
Children agree sexual abuse become common in children.	34	44	22	2	32	66	6.11	0.001
Children believe that sexual abuse affect children physical and emotional.	15	45	40	5	25	70	7.45	0.05
There is nothing wrong with teaching children about sex by touching their sexual parts.	44	23	23	12	12	76	5.12	0.01
Little children rarely have sexual fantasies about adults.	24	66	10	15	70	15	8.36	0.01
Many children would like sex with an adult.	15	2	83	33	40	27	7.89	0.05
Child molesters should go to jail. (reverse)	40	33	27	80	12	8	3.78	<0.001
Children sometimes say they have been molested to get attention	22	32	46	23	33	44	9.3	0.05
Sex with children is relatively harmless	22	44	34	2	33	65	4.23	0.01
Children agree that children sexual abuses are bad behavior.	12	46	42	6	45	49	2.58	0.001
Children agree to learn about prevention of sexual abuse.	48	8	44	24	34	42	5.21	0.01
Children afraid that prevention of sexual abuse will know too much about sex (reverse).	7	48	45	57	35	8	7.25	<0.05
Children believe that sexual abuse cases are very few, so it is unnecessary to learn how to prevent	50	33	17	44	46	10	4.65	0.01

Figure 5. Reveals that there were significant statistically difference in children attitude and their gender pre/post program at $P < 0.001$.

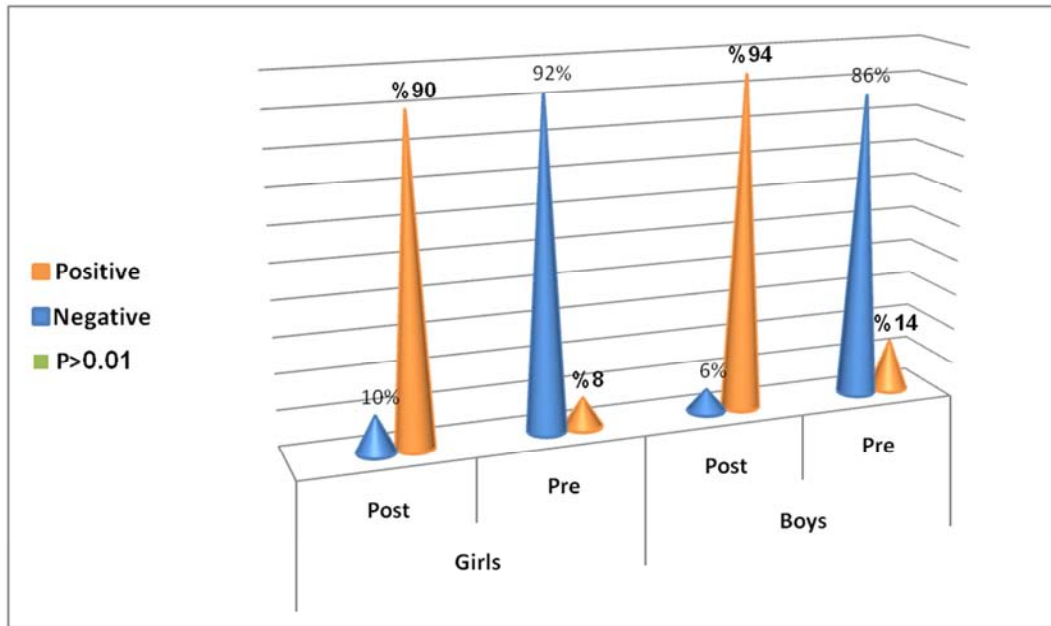


Figure 5. Relationship between the studied children gender and their attitude toward sexual abuse prevention pre/post program.

Table 6. Clarifies that significant positive correlation of total children’s knowledge and total children’s attitude with age, gender, exposed to sexual abuse and parent relationship, while regarding total children’s knowledge there were significant positive correlation were found with rank and residence of children.

Table 6. Pearson correlation coefficient between total studied children's knowledge, attitude and their general characteristics.

Research variables	age	Gender	Rank	Residence	Number of sibling	House room	Exposed to sexual abuse	Parent Relationship
Total knowledge								
r	0.904	0.424	0.631	0.558	0.144	0.619	0.227	0.256
p	0.01*	0.08*	0.000*	0.01*	0.272	0.103	0.03*	0.05*
Total attitude								
r	0.231	0.327	0.125	0.044	0.209	0.081	0.731	0.258
p	0.07*	0.08*	0.340	0.738	0.159	0.619	0.000*	0.000*

5. Discussion

Nurses have the opportunity to fulfill a variety of roles while caring for the abused child; nurses not only serve as caregiver, offering both physical and emotional support, but also as an advocator, using a wide range of knowledge, techniques and skills to provide care. Child sexual abuse prevention programs are of value because they provide information, support and empowerment [21-30].

The aim of this study was to evaluate the effect of sexual abuse prevention program for school age children. In relation to characteristics of studied children (table 1) the current study revealed that the recruited age of the studied children at age 10 ≤ 12 and with a mean age 11.2 ± 2.3 years. This finding was in an agreement with [2] who that studied physical and emotional abuse among Primary School Children in Port-Said City in Egypt and found that, the majority of child abuses occur among Primary School Children. Also in a study carried out by [15] was found that 93.1% of the respondents thought that it was necessary to provide children with sex education and more of between 7 and 12 years. This

may be due to; this age is considered appropriate for children to understand the idea of sex education.

Regarding residence area of studied children about two third of boys and three quarter of girls exist in urban area, this was in an agreement with [11] who reported that, rapid demographic changes in the population, modernization, emigration, urbanization and changing social policies have all been linked with increase in child abuse. While about three quarter of boys had 3 < 6 sibling mean while the majority of girls had 1 < 3 sibling. According to the rank in family less than half of boys were last child meanwhile less than one third of girls were first child.

Regarding studied children’s parents relationship it was obvious that, more than half of boys had weak relationship while about half of girls reported moderate parents’ relationship. These finding in the same line with [14] who found significantly larger percentage of teenagers with history of sexual abuse suffered physical punishment at home compared to those who had no history of sexual abuse (305; 54% and 388; 37%, P < 0.001). This may be due to poor relationship between children and their parents.

As regard studied children's parents characteristics (table

2), show that nearly two thirds of fathers age and nearly half of mothers age ranged between 30 <35 years old, regarding their educational level, nearly half of boys and girls stated that father had University education. And all of fathers were working, meanwhile about three quarter of mothers were not working. This is in a contrast with a study carried out by [16] who reported that, the majority of abused and neglect children's mothers were working. This may be due to the difference between study culture and place.

Concerning of studies children who exposed to sexual abuse (Figure 1), illustrated that less than three quarter of boys and more than one third of girls were exposed to sexual abuse from other. This finding was in an agreement with, [19] who studied predictors of violence in England and mentioned that, child abuse occurring more frequently in males than females. This finding is not in accordance with a study carried out by [28] reinforcing that between 20% and 40% of female children and just below 10% of male children, experienced child sexual abuse on a spectrum from exposure through unwanted touching to rape before the age of 18 years. Also [6] indicate 26.6% of girls and 5.1% of boys have experienced sexual abuse or assault by age 17. [13] Found that an overall child sexual abuse prevalence of 29.8%, with the rate for females (37.8%) being higher than that for males (21.2%). Hugging and kissing in a way that disturbed the victims were the most reported type of child sexual abuse.

As regard studied children history to sexual abuse exposed (Table 3), illustrated that children age of exposed to sexual abuse were $11 \leq 12$ years, for about more than half of boys, while three quarter of girls were between age $10 < 11$ years. As regard number of children exposed to sexual abuse the majority of boys and three quarter of girls were exposed 1-3 times. The majority of boys and girls are abused from male. As regards degree of relation half of boys were relatives while more than half of girls were stranger. These findings were in line with studies of [27] said that child sexual abusers included 50% family members, 40% strangers, and 10% neighbors, where, 10 to 30% were strangers with the rest being family or known to the child, and 19% peers as abusers.

As regard studied children exposed to sexual abuse according to place (Figure 2), reveal that more than one third of boys and girls were exposed to sexual abuse at home while more than one quarter of them at social gathering and a few of them of at school. The result match with the study of [26] who studied 201 children participated in Brazil found 70% of cases abuse was intra-family, with the perpetrator being a family member or someone who lives with the child. Children who suffered extra-family abuse had been victimized by teachers and neighbors.

Regarding studied children reaction after exposed to sexual abuse (Figure 3), Illustrated that half of boys and girls were have hated reaction after exposed to sexual abuse. The result goes in line with study conducted by [24] who studied sexual violence and its health consequences for female children in Swaziland and mentioned that, victims of abuse were at risk for a variety of negative outcomes, they were

more anxious and insecure, have lower self esteem, were lonely more likely to be rejected by their peers and were depressed. In addition to difficulties in relationship with other and school performance.

Concerning of, studied children' knowledge about sexual abuse (Table 4), showed that the majority of them had good knowledge about signs and symptoms of child sexual abuse. Also more than three quarter of them had good knowledge regarding encouraging children to report sexual abuse. In addition there were highly statistically significant difference pre and post prevention program related sexual abuse prevention. These result consistent with [15 & 25] who said that participated in the child sexual abuse prevention training program had significantly higher levels of knowledge about sexual abuse and scores on their skills that may be helpful in avoiding sexual abuse (e.g., identifying, resisting, and reporting Inappropriate touch). These result consistent with a study carried out by [34], who found that there was a positive outcome of the child sexual abuse prevention program that Chinese children are able to learn the knowledge of disclosing the abuse. Also about 80% trained children were able to report someone about the abuse even if the abuser tells them to keep it a secret. Program participation, children in the intervention group demonstrated greater knowledge about sexual abuse prevention and higher levels of self-protection skills compared with children in the wait-list control group. In study titled "School-based education programmes for the prevention of child sexual abuse", carried out by [35] revealed that programs are effective at building children's knowledge about sexual abuse and their preventive skills.

Concerning, relationship between studied children gender and their knowledge about sexual abuse prevention pre/post Program (Figure 4), show that the most of children had unsatisfactory knowledge about sexual abuse prevention, in boys and girls respectively, while the majority of them had satisfactory knowledge post program implementation. These result consistent with a study carried out by [23] that reported that child sexual abuse prevention programs for pre-scholar in Australia was effective and increasing children's knowledge about child sexual abuse and their ability to understanding of protective behaviors' in the event of an (attempted) abuse event or an inappropriate touch request. In addition in study of [10] found at El Salvador child sexual abuse information program prevention was very effective with there was no significant difference between gender of children.

Regarding studied children attitude towards sexual abuse (Table 5), pointed that there were statistical significant difference between children attitude pre/post program implementation. These result were inconsistent with [34] who found no significant shift was observed for the attitude of the girls and boys related sexual abuse prevention.

As regard relationship between studied children gender and their attitude regard sexual abuse prevention pre/post program (Figure 5), reveal that there were significant statistically difference in children attitude and their gender

pre/post program implementation. These results were consistent with [29] which found in their study evaluated that there were significant improvements in protective behaviors with no significant difference between genders of children.

Concerning correlation between total studied children's knowledge, attitude and their characteristics (table 6), revealed that there was significant positive correlation of total children's knowledge and total children's attitude with age, gender, exposed to sexual abuse and parent relationship, while regarding total children's knowledge there were significant positive correlation were found with rank and residence of children. In addition [12]; [20]; [8]; [35] & [6] stated that receiving training education is a good way to improve participants' knowledge and attitudes about child sexual abuse prevention.

6. Conclusion

The current study concluded that, the prevention program lead to significant improvement in studied children's knowledge and attitude about sexual abuse prevention

Recommendation

- Parents must be involved in the process of sexual abuse prevention program.
- Provision of instructional booklets for children to increase self protection knowledge and skills to avoid child sexual abuse.
- Increase positive feeling and decrease negative feeling about self.
- Replication of the study on a large sample and in different settings is recommended for generalization of results.

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