

Results

Results of the present study will be demonstrated according to 4 parts as follows:-

Part 1:- Sociodemographic characteristics of the nurses (table 1).

Part 2:- Knowledge of nurses about psychotic patient pre and post program implementation (table 2-7).

Part 3:- Nurses performance in dealing with psychotic patient pre and post program implementation (table 8-12).

Part 4:- Correlation between nurse's knowledge and their performance pre and post program implementation (table 13).

Table (1) Sociodemographic characteristics of the nurses
(N =100)

Item	No.	%
Sex :		
Male	60	60.0
Female	40	40.0
Age :		
Less than 20	8	8.0
25-	36	36.0
30-	24	24.0
35-	16	16.0
40 or more	16	16.0
Marital status:		
Single	36	36.0
Married	64	64.0
Years of experience:		
Less than 5	20	20.0
10-	52	52.0
15-	28	28.0
20 or more	0	0.0
Total number	100	100.0

This table showed that, the distribution of the studied nurses according to their general characteristics. 60% of the nurses were males and 40% were females. As regards nurses' age 36% were 25- year old and 24% were 30- year old. As regards marital status 36% were single and 64% of were married. As regards year of experience, more than half of the sample 52% was located in the period between 10- year of experience in psychiatric field experience.

Table (2) Nurse's knowledge about psychotic disorders pre and post program implementation (N =100)

Variable	Interval	Pre program	Post program	Paired t test	P value
		Mean \pm SD	Mean \pm SD		
Definition		1.40 \pm 0.69	2.46 \pm 0.70	14.40	** <0.001
Causes		1.40 \pm 0.67	2.20 \pm 0.75	13.26	** <0.001
Sings and Symptoms		1.50 \pm 0.67	2.28 \pm 0.75	14.37	** <0.001

*Significant $p < 0.05$

** Highly significant $p < 0.001$

This table illustrated that, there was highly statistically significant difference among the studied group in relation to all items of knowledge ($p < 0.001$) that represent pre and post program implementation.

Table (3) Nurse's knowledge about schizophrenia pre and post program implementation (N =100)

Interval Variable	Pre program	Post program	Paired t test	P value
	Mean \pm SD	Mean \pm SD		
Definition	1.52 \pm 0.70	2.16 \pm 0.68	13.26	** <0.001
Prevalence	1.32 \pm 0.62	2.30 \pm 0.79	13.27	** <0.001
Causes	1.80 \pm 0.88	2.22 \pm 0.81	8.46	** <0.001
Sings and Symptoms	1.72 \pm 0.88	2.34 \pm 0.74	10.34	** <0.001
Types	1.32 \pm 0.62	2.68 \pm 0.68	17.04	** <0.001
Complication	1.30 \pm 0.64	2.04 \pm 0.80	10.71	** <0.001
Cure	1.82 \pm 0.69	2.36 \pm 0.69	10.78	** <0.001

*Significant $p < 0.05$

** Highly significant $p < 0.001$

This table revealed that, there was highly statistically significant difference among the studied group in relation to all items of knowledge ($p < 0.001$) that represent pre and post program implementation.

Table (4) Nurse's knowledge about treatment of schizophrenia pre and post program implementation (N =100)

Variable	Interval	Pre program	Post program	Paired t test	P value
		Mean \pm SD	Mean \pm SD		
Methods of treatment		1.32 \pm 0.68	2.24 \pm 0.77	12.30	** <0.001
Types		1.90 \pm 0.70	2.06 \pm 0.65	4.34	** <0.001
Aim of antipsychotic drugs		1.58 \pm 0.78	2.28 \pm 0.75	12.12	** <0.001
Side effect of medication		1.78 \pm 0.76	2.48 \pm 0.78	11.45	** <0.001
Precaution		1.90 \pm 0.54	2.46 \pm 0.70	11.22	** <0.001

*Significant $p < 0.05$

** Highly significant $p < 0.001$

This table showed that, there was highly statistically significant difference among the studied group in relation to all items of knowledge ($p < 0.001$) that represent pre and post program implementation.

Table (5) Nurse's knowledge scores about nursing care for schizophrenic patient pre and post program implementation (N =100)

Variable	Interval	Pre program	Post program	Paired t test	P value
		Mean \pm SD	Mean \pm SD		
Assessment		2.02 \pm 0.82	2.38 \pm 0.75	7.46	** <0.001
Objective of nursing care		1.72 \pm 0.60	2.40 \pm 0.67	14.50	** <0.001
Increase appetite		1.90 \pm 0.73	2.52 \pm 0.70	12.70	** <0.001
Constipation		2.04 \pm 0.72	2.50 \pm 0.67	9.18	** <0.001
Neglect personal hygiene		1.54 \pm 0.73	2.62 \pm 0.65	9.56	** <0.001
Refuse medication		1.82 \pm 0.77	2.42 \pm 0.73	12.18	** <0.001
Refuse speaking		1.82 \pm 0.85	2.28 \pm 0.73	9.18	** <0.001
Altered mood		1.80 \pm 0.67	2.44 \pm 0.78	13.26	** <0.001
Delusion		1.62 \pm 0.83	2.08 \pm 0.77	9.18	** <0.001
Altered sleep		1.40 \pm 0.67	2.38 \pm 0.75	13.79	** <0.001
Increase self esteem		2.02 \pm 0.79	2.58 \pm 0.64	11.22	** <0.001
Ineffective coping		1.70 \pm 0.78	2.06 \pm 0.68	3.34	** <0.001

*Significant $p < 0.05$

** Highly significant $p < 0.001$

This table illustrated that, there was highly statistically significant difference among the studied group in relation to all items of knowledge ($p < 0.001$) that represent pre and post program implementation.

Table (6) Nurse's knowledge about relapse pre and post program implementation (N =100)

Interval Variable	Pre program	Post program	Paired t test	P value
	Mean \pm SD	Mean \pm SD		
Definition	1.56 \pm 0.70	2.08 \pm 0.63	10.35	** <0.001
Causes	1.82 \pm 0.71	2.44 \pm 0.70	9.80	** <0.001
Sings and symptoms	1.50 \pm 0.67	2.26 \pm 0.66	17.70	** <0.001
Clue of suicide	1.72 \pm 0.75	2.30 \pm 0.70	8.66	** <0.001
Nursing care for suicide	1.90 \pm 0.54	2.44 \pm 0.64	10.78	** <0.001

*Significant $p < 0.05$

** Highly significant $p < 0.001$

This table showed that, there was highly statistically significant difference among the studied group in relation to all items of knowledge ($p < 0.001$) that represent pre and post program implementation.

Table (7) Nurse's knowledge about rehabilitation pre and post program implementation (N =100)

Variable	Interval	Pre program	Post program	Paired t test	P value
		Mean \pm SD	Mean \pm SD		
Definition		1.58 \pm 0.75	1.98 \pm 0.71	8.12	** <0.001
Methods		1.72 \pm 0.85	2.20 \pm 0.72	9.56	** <0.001
Ethics of relationship		1.70 \pm 0.64	2.34 \pm 0.71	13.26	** <0.001

*Significant $p < 0.05$

** Highly significant $p < 0.001$

This table documented that, there was highly statistically significant difference among the studied group in relation to all items of knowledge ($p < 0.001$) that represent pre and post program implementation.

Table (8) Nurse's performance in dealing with the patients during the first interview pre and post program implementation (N =100)

Variable	Interval	Pre program	Post program	Paired t test	P value
		Mean \pm SD	Mean \pm SD		
Introduce themselves to the patient		1.30 \pm 0.46	1.66 \pm 0.48	7.46	** <0.001
Trying to calm the patient and the reduction of anxiety		1.24 \pm 0.43	1.90 \pm 0.30	13.86	** <0.001
Searching the patient's well		1.40 \pm 0.49	1.80 \pm 0.40	8.12	** <0.001
Explain to the patient different daily activities		1.20 \pm 0.40	1.86 \pm 0.35	13.86	** <0.001
Orient the patient to different places		1.24 \pm 0.43	1.68 \pm 0.47	8.82	** <0.001
Investigate patient's body		1.26 \pm 0.44	1.64 \pm 0.48	7.79	** <0.001
Give brief idea to patient about his illness		1.10 \pm 0.30	1.72 \pm 0.45	12.70	** <0.001

*Significant $p < 0.05$

** Highly significant $p < 0.001$

This table revealed that, there was highly statistically significant difference among the studied group in relation to all items of performance ($p < 0.001$) that represent pre and post program implementation.

Table (9) Nurse's approach in communication pattern with the psychotic patient pre and post program implementation (N =100)

Variable	Interval	Pre program	Post program	Paired t test	P value
		Mean ± SD	Mean ± SD		
Show interest to the patient		1.20 ± 0.40	1.38 ± 0.49	4.66	** <0.001
Use a short sentence and understood		1.44 ± 0.50	1.84 ± 0.73	4.87	** <0.001
Explain everything to the patient		1.18 ± 0.38	1.96 ± 0.63	10.64	** <0.001
Using repeated talk or questions		1.14 ± 0.35	1.92 ± 0.75	9.61	** <0.001
Given to the patient sufficient time to answer and talk		1.20 ± 0.33	2.00 ± 0.63	12.31	** <0.001
Encourage the patient to express himself and his feelings		1.40 ± 0.49	1.76 ± 0.68	5.01	** <0.001
Bear on the patient reaction		1.30 ± 0.46	1.94 ± 0.68	8.02	** <0.001
voice quiet and clear		1.28 ± 0.45	2.06 ± 0.51	11.06	** <0.001
Speak in the matter in a coherent and sequential		1.28 ± 0.46	2.10 ± 0.64	9.98	** <0.001
Her expression appropriate and comfortable		1.36 ± 0.48	1.90 ± 0.76	6.29	** <0.001
Active listen		1.58 ± 0.49	1.94 ± 0.54	5.22	** <0.001
Has a quick wit		1.24 ± 0.43	1.90 ± 0.70	8.31	** <0.001
Pick the appropriate words when speaking		1.42 ± 0.49	1.84 ± 0.73	5.20	** <0.001
Give positive reinforcement		1.40 ± 0.49	1.94 ± 0.68	6.67	** <0.001
Give the patient the sense of caring		1.22 ± 0.42	1.80 ± 0.69	7.68	** <0.001

** Highly significant p<0.001

This table showed that, there was a highly statistically significant difference between Nurse's approach in communication pattern with the psychotic patient as perceived by the nurses pre and post program implementation.

Table (10) Nurse's awareness to the good characteristics of the environment around the psychotic patient pre and post program implementation (N =100)

Variable	Interval	Pre program	Post program	Paired t test	P value
		Mean ± SD	Mean ± SD		
A safe place		2.10 ± 0.78	2.22 ± 0.79	1.42	>0.05
Clean place		1.90 ± 0.70	2.20 ± 0.75	3.82	* <0.05
A quiet place		2.04 ± 0.66	2.06 ± 0.65	0.28	>0.05
Ventilated place		1.82 ± 0.72	2.12 ± 0.77	3.95	** <0.001
The provision of recreation facilities		1.70 ± 0.73	2.24 ± 0.68	7.12	** <0.001
Create a spirit of cooperation and love between each other		1.78 ± 0.67	2.24 ± 0.66	6.29	** <0.001

*Significant p<0.05

** Highly significant p<0.001

This table illustrated that, there was no statistically significant difference among the studied group in relation to items of a safe place and a quiet place (T= 1.00, P >0.05, T= 0.19, P >0.05) respectively.

Table (11) Nurse's performance in providing nursing care to their patient pre and post program implementation (N =100)

Interval Variable	Pre program	Post program	Paired t test	P value
	Mean \pm SD	Mean \pm SD		
Side beside the patient	1.72 \pm 0.72	2.06 \pm 0.68	3.41	** <0.001
Sit silent in the event the patient refused to talk	1.88 \pm 0.79	2.20 \pm 0.72	2.98	** <0.001
Encourage the patient to Talk with them or with others	1.78 \pm 0.67	2.12 \pm 0.74	4.76	** <0.001
Inform the doctor any change in the patient	1.90 \pm 0.54	2.22 \pm 0.64	5.18	** <0.001
Make sure the patient is taking medication	1.96 \pm 0.60	2.04 \pm 0.72	1.42	>0.05
Help the patient to eat his meals	1.74 \pm 0.75	2.06 \pm 0.84	4.18	** <0.001
Trying to persuade the patient of the importance of personal hygiene	1.70 \pm 0.78	2.10 \pm 0.70	4.97	** <0.001
Call other nurses to talk with the patient in case of refusal to talk	1.56 \pm 0.67	2.12 \pm 0.74	8.34	** <0.001
In the case of delusions avoid discussion and changing the dialogue to another topic	1.78 \pm 0.76	2.46 \pm 0.76	12.40	** <0.001
Take into account a patient room in front of or near the office of Nursing	1.58 \pm 0.70	2.12 \pm 0.71	5.05	** <0.001
Encourage the patient to participate in various activities	1.66 \pm 0.77	1.98 \pm 0.68	3.15	** <0.001
Increased fluids and foods easy to chew	1.56 \pm 0.73	2.06 \pm 0.71	4.76	** <0.001
Monitor the patient elimination pattern	1.50 \pm 0.67	1.90 \pm 0.70	4.34	** <0.001
Measuring vital sings regularly	1.66 \pm 0.71	2.00 \pm 0.80	4.58	** <0.001
Inter patient room for time to time	1.76 \pm 0.77	2.10 \pm 0.70	4.28	** <0.001
Maintain promise with patient	2.00 \pm 0.75	1.98 \pm 0.68	0.39	>0.05

*Significant p<0.05

** Highly significant p<0.001

This table revealed that, there was no statistically significant difference among the studied group in relation to items of Make sure the patient is taking medication and Maintain promise with patient ($T= 1.42$, $P >0.05$, $T= 0.28$, $P >0.05$) pre and post program implementation.

Table (12) Nurse's performance in dealing with the patient's family and relatives' pre and post program implementation (N =100)

Variable	Interval	Pre program	Post program	Paired t test	P value
		Mean \pm SD	Mean \pm SD		
Explain all the steps of treatment		2.10 \pm 0.70	2.20 \pm 0.71	1.19	>0.05
Answer the patient questions clearly and calmly		2.10 \pm 0.76	2.22 \pm 0.67	1.20	>0.05
Urging the need and importance of their visits to the patient		1.88 \pm 0.74	2.28 \pm 0.73	5.13	**<0.001
Giving them hope in the healing of their patient		2.08 \pm 0.85	2.30 \pm 0.78	5.28	**<0.001
Ask the family for loving people in the patient's family		1.90 \pm 0.81	2.06 \pm 0.71	1.80	>0.05
Explain the duties of the family towards a patient		1.84 \pm 0.79	2.00 \pm 0.78	1.80	>0.05
Give the family and caregivers at home the guidance for entertainment to the patient		2.04 \pm 0.78	2.30 \pm 0.73	3.06	<0.05
Tell the family the importance of keeping the hospital in any sudden change to the patient		1.98 \pm 0.71	2.28 \pm 0.67	4.26	**<0.001
Urged the family to the need to follow-up in the outpatient clinic		2.30 \pm 0.76	2.30 \pm 0.64	0.00	**<0.001

*Significant $p < 0.05$

** Highly significant $p < 0.001$

This table documented that, there was no statistically significant difference among the studied group in relation to items of explain all the steps of treatment, answer the patient questions clearly and calmly, ask the family for loving people in the patient's family, explain the duties of the family towards a patient (T= 0.84, P >0.05, T= 0.85, P >0.05, T= 1.28, P >0.05, T= 1.27, P >0.05) respectively.

Table (13) Correlation between nurses' knowledge and their performance pre and post program implementation (N =100)

Total Knowledge	Total performance			
	Pre program		Post program	
	r	p	r	p
Pre program	0.85	p<0.01	-	-
Post program	-	-	0.92	p<0.01

Table (13) showed that, there was statistical significant correlation coefficient between nurses' knowledge and their performance pre and post program implementation p<0.01.