

Table (2): Comparison of cleanliness score before and after Intervention.

Cleanliness score Intervention	$\bar{X} \pm SD$	$\bar{X} \pm SD$ Difference	SE	Paired t	P
Before program	0.86 ± 0.51	0.3 ± 0.84	0.12	2.53	< 0.05
After program	1.16 ± 0.68				

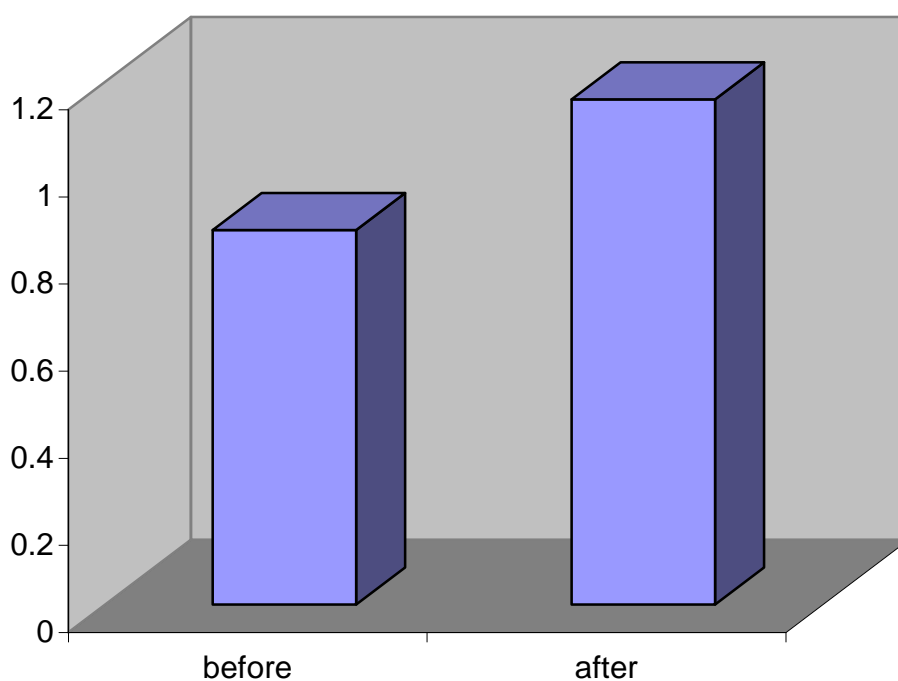


Chart (7) Means of cleanliness score before and after intervention

Table (2) and Chart (7) illustrate that the mean scores of cleanliness intervention is improved from (0.86 ± 0.51 to 1.16 ± 0.68) by (0.3 ± 0.84) of the base line value with statistical significant difference ($p < 0.05$).

Table (3): Comparison of appearance score before and after intervention

Appearance score Intervention	$\bar{X} \pm SD$	$\bar{X} \pm SD$ Difference	SE	Paired t	P
Before program	1.04 ± 0.49	0.3 ± 0.96	0.14	2.21	< 0.05
After program	1.34 ± 0.66				

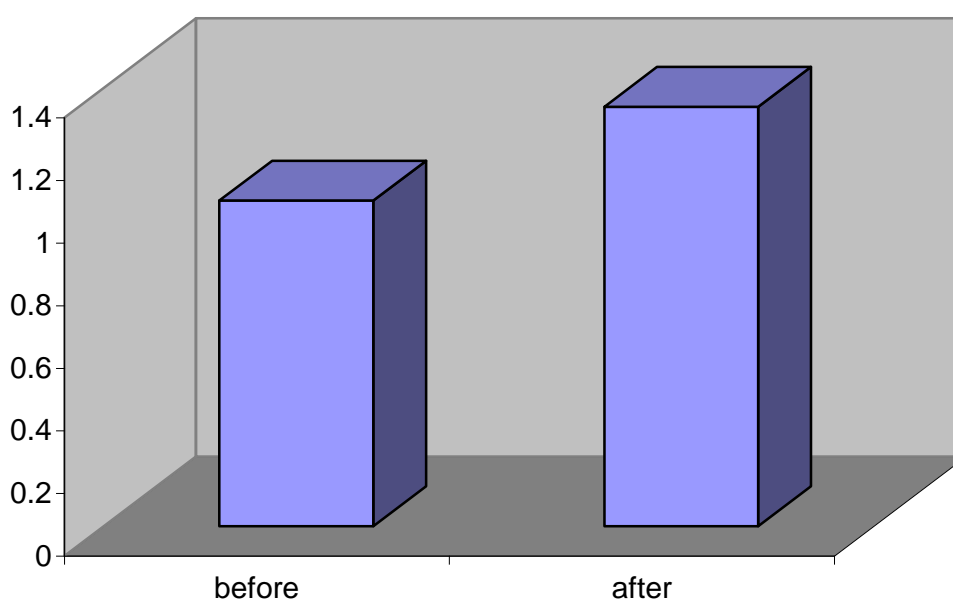


Chart (8) Means of appearance score before and after intervention.

Table (3) and Chart (8): reveal that the mean scores of appearance intervention is improved from (1.04 ± 0.49) to (1.34 ± 0.66) by (0.3 ± 0.96) of the base line value with statistical significant difference ($p < 0.05$).

Table (4): Comparison of physical movement score before and after intervention.

Physical movement Score Intervention	$\bar{X} \pm SD$	$\bar{X} \pm SD$ Difference	SE	Paired t	P
Before program	0.81 ± 0.5	0.35 ± 0.93	0.13	2.66	< 0.05
After program	1.16 ± 1				

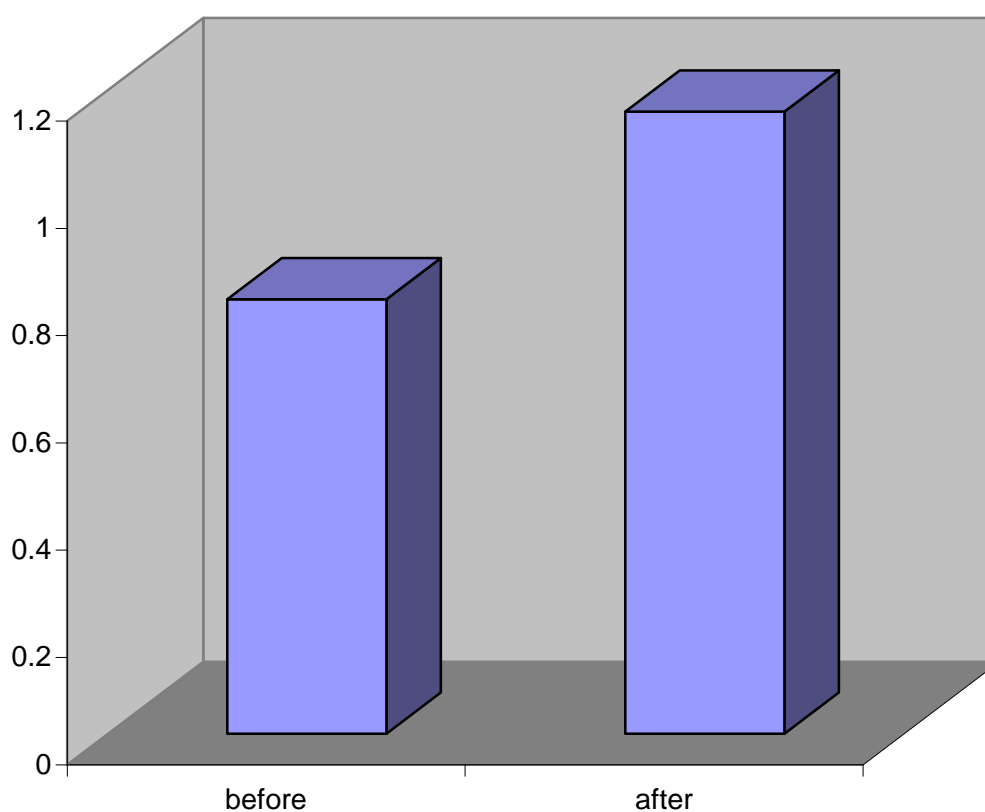


Chart (9) Means of physical movement score before and after intervention.

Table (4) and Chart (9): demonstrate that the mean scores of physical movement intervention is improved from (0.81 ± 0.5 to 1.16 ± 1) by (0.35 ± 0.93) of the base line value with statistical significant difference ($p < 0.05$).

Table (5): Comparison of manner and rate of eating score before and after intervention

Eating score Intervention	$X \pm SD$	$X \pm SD$ Difference	SE	Paired t	P
I- Manner of eating					
Before program	0.24 ± 0.4	0.14 ± 0.37	0.37	2.67	< 0.05
After program	0.38 ± 0.53				
II- Rate of eating					
Before program	0.58 ± 0.41	0.16 ± 0.43	0.06	2.63	< 0.05
After program	0.74 ± 0.56				

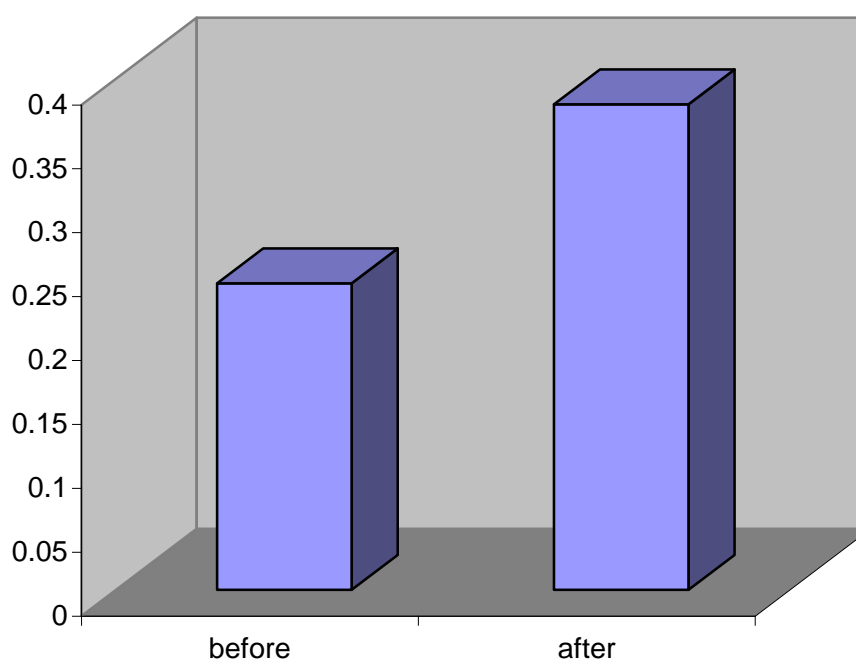
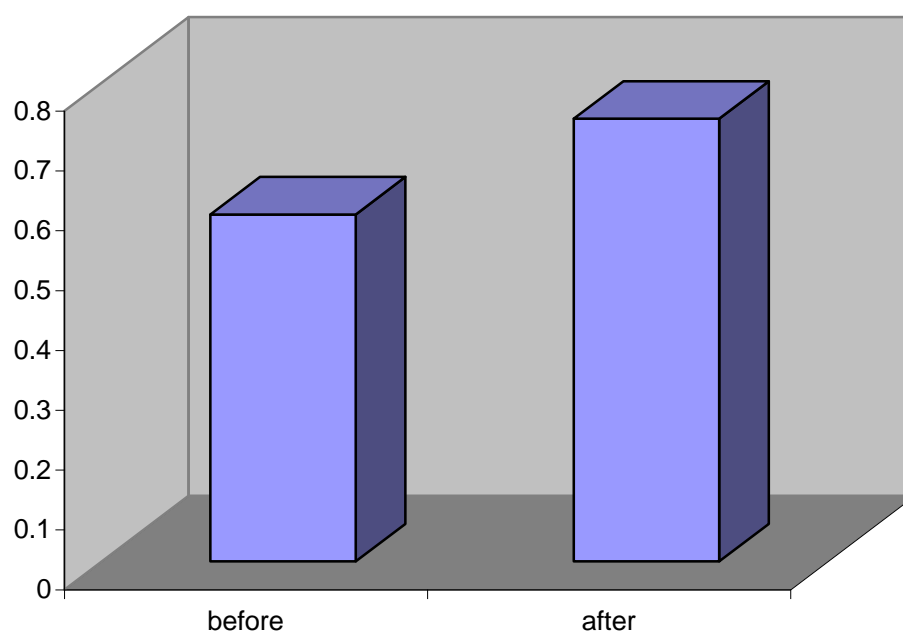


Chart (10) Means of manner of eating score before and after intervention 21



C Chart (11) Means of rate of eating score before and after intervention

Table (5) and Charts (10,11): Show that the mean scores of manner of eating, is improved from (0.24 ± 0.4) to (0.38 ± 0.53) by (0.14 ± 0.37) of the base line value with a statistical significant difference ($P < 0.05$). Also, it shows that the mean scores of rate of eating is improved from (0.58 ± 0.41) to (0.74 ± 0.56) by (0.16 ± 0.43) of the base line value with statistical significant difference ($p < 0.05$).

Table (6): Comparison of speech score before and after intervention

Speech Score Intervention	$\bar{X} \pm SD$	$\bar{X} \pm SD$ Difference	SE	Paired t	P
1- Rate of speech					
Before program	0.74 \pm 0.48	0.1 \pm 0.4	0.07	1.54	> 0.05
After program	0.84 \pm 0.47				
2- Form of speech					
Before program	0.98 \pm 0.39	0.28 \pm 0.99	0.14	1.99	> 0.05
After program	1.26 \pm 0.56				
3- Content of speech Delusion					
Before program	0.34 \pm 0.66	0.02 \pm 0.32	0.05	0.44	> 0.05
After program	0.32 \pm 0.62				

Table (6): reveals that there are statistical insignificant differences between the mean scores of speech intervention before and after the application of the rehabilitation program (p > 0.05)

Table (7): Comparison of perception score before and after intervention

Perception Score Intervention	$\bar{X} \pm SD$	$\bar{X} \pm SD$ Difference	SE	Paired t	P
Hallucination					
Before program	1.26 ± 0.75	0.07 ± 0.29	0.04	1.71	> 0.05
After program	1.19 ± 0.66				

Table (7): shows that the mean scores of perception intervention (hallucination) before program is (1.26 ± 0.75) and (1.19 ± 0.66) after program. The difference is not statistically significant ($P > 0.05$).

Table (8): Comparison of interaction score before and after intervention

Interaction score Intervention	$\bar{X} \pm SD$	$\bar{X} \pm SD$ Difference	SE	Paired t	P
1- Withdrawal					
Before program	1.28 ± 0.7	0.36 ± 0.96	0.13	2.65	< 0.05
After program	0.92 ± 0.54				
2- Co-operation					
Before program	1.34 ± 0.56	0.32 ± 0.87	0.12	2.6	< 0.05
After program	1.66 ± 0.63				

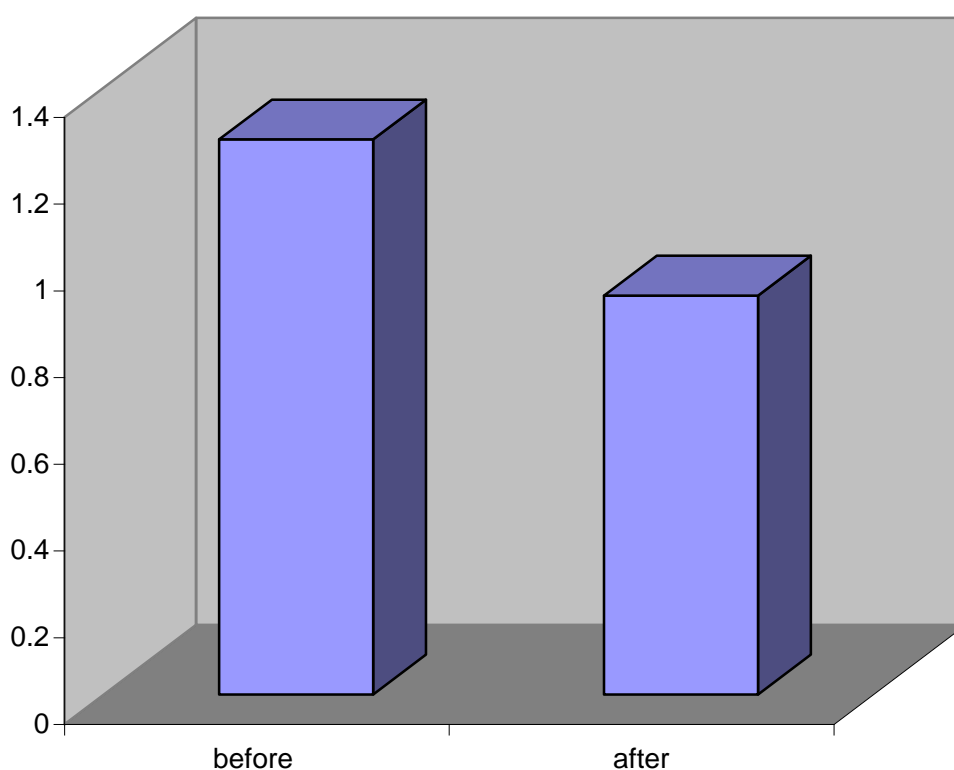


Chart (12) Means of withdrawal score before and after intervention

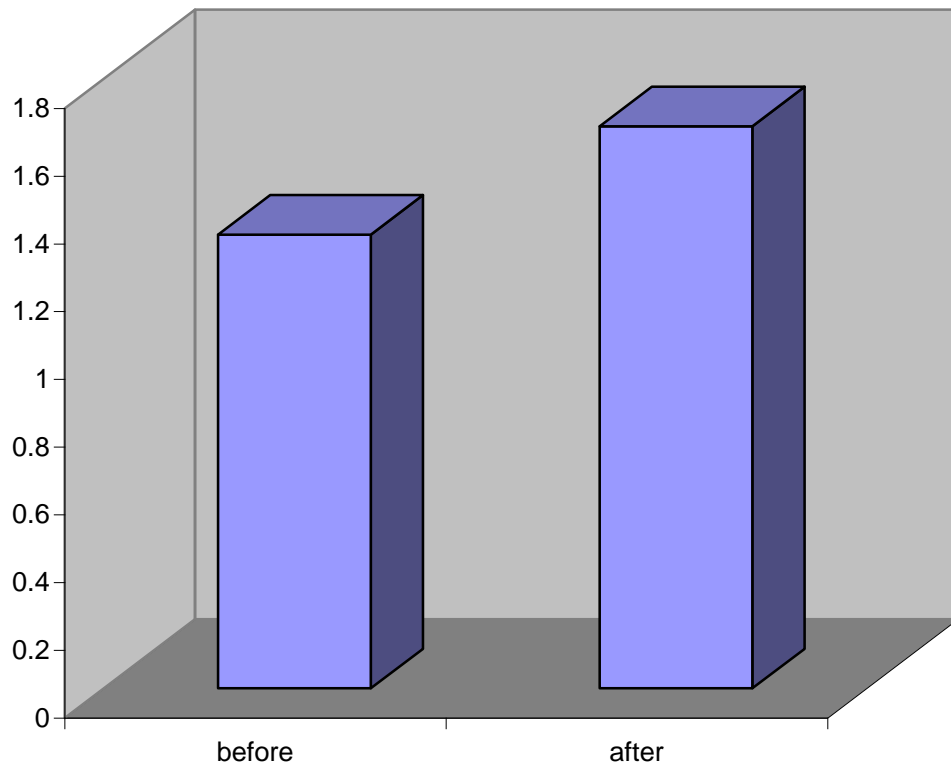


Chart (13) Means of co-operation score before and after intervention

Table (8) and Charts (12, 13): show that the mean scores of interaction with others (withdrawal) is improved from (1.28 ± 0.7) to (0.92 ± 0.54) by (0.36 ± 0.96) of the base line value with statistical significant difference ($p < 0.05$). Also, it shows that the mean scores of co-operations with others is improved from (1.34 ± 0.56) to (1.66 ± 0.63) by (0.32 ± 0.87) of the base line value with statistical significant difference ($P < 0.05$).

Table (9): Comparison of mood score before and after intervention

Mood Score Intervention	$\bar{X} \pm SD$	$\bar{X} \pm SD$ Difference	SE	Paired t	P
Before program	1.48 ± 0.57	0.12 ± 0.43	0.06	1.97	> 0.05
After program	1.6 ± 0.53				

Table (9): shows that the mean scores of mood intervention before program is (1.48 ± 0.57) and (1.6 ± 0.53) after program the difference is not statistically significant ($p > 0.05$).

Table (10): Comparison of attention and concentration score before and after intervention.

Attention and concentration score	$\bar{X} \pm SD$	$\bar{X} \pm SD$ Difference	SE	Paired t	P
Intervention					
Before program	1.1 ± 0.51	0.28 ± 0.84	0.12	2.36	< 0.05
After program	1.38 ± 0.7				

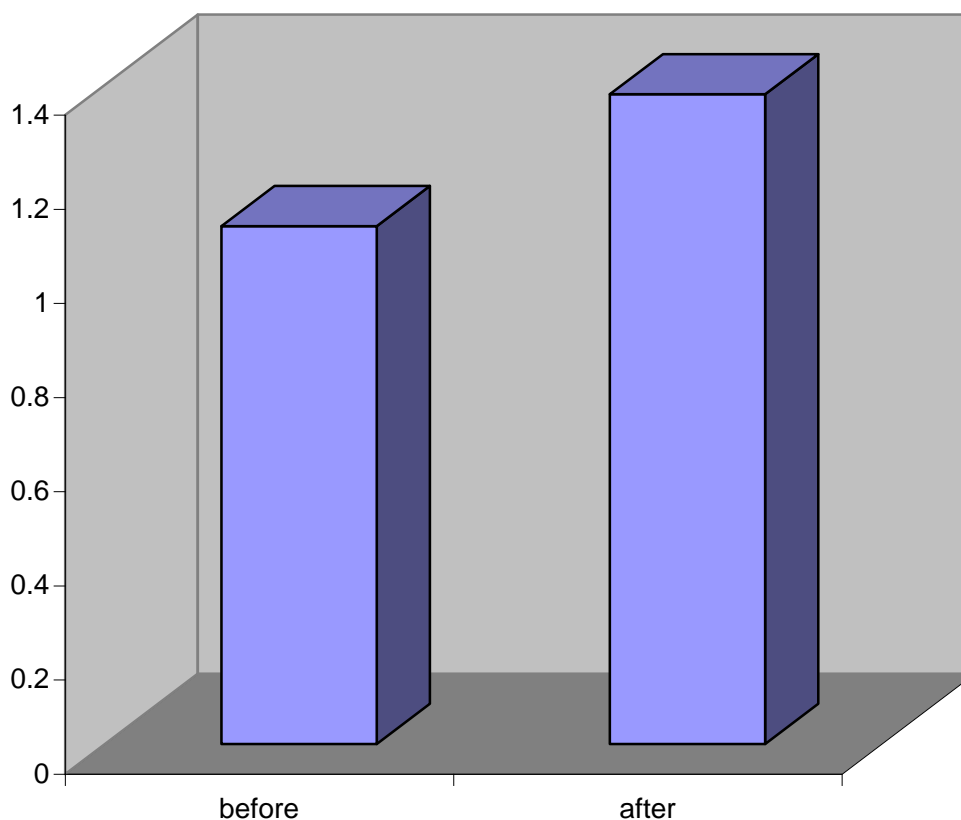


Chart (14) means of attention and concentration score before and after intervention

Table (10) and Chart (14) demonstrate that the mean scores of attention and concentration are improved from (1.1 ± 0.51) to (1.38 ± 0.7) by (0.28 ± 0.84) of the base line value with statistical significant difference ($P < 0.05$).

Table (11): Comparison of memory score before and after intervention

Memory score Intervention	$\bar{X} \pm SD$	$\bar{X} \pm SD$ Difference	SE	Paired t	P
Before program	0.14 ± 0.3	0.08 ± 0.29	0.04	1.95	> 0.05
After program	0.22 ± 0.42				

Table (11): reveals that the mean scores of memory intervention before program is (0.14 ± 0.3) and (0.22 ± 0.42) after program. The difference is not statistically significant ($P > 0.05$).

Table (12): Comparison of orientation score before and after intervention

Orientation score Intervention	$\bar{X} \pm SD$	$\bar{X} \pm SD$ Difference	SE	Paired t	P
Before program	0.68 ± 0.57	0.3 ± 0.86	0.12	2.47	< 0.05
After program	0.98 ± 0.87				

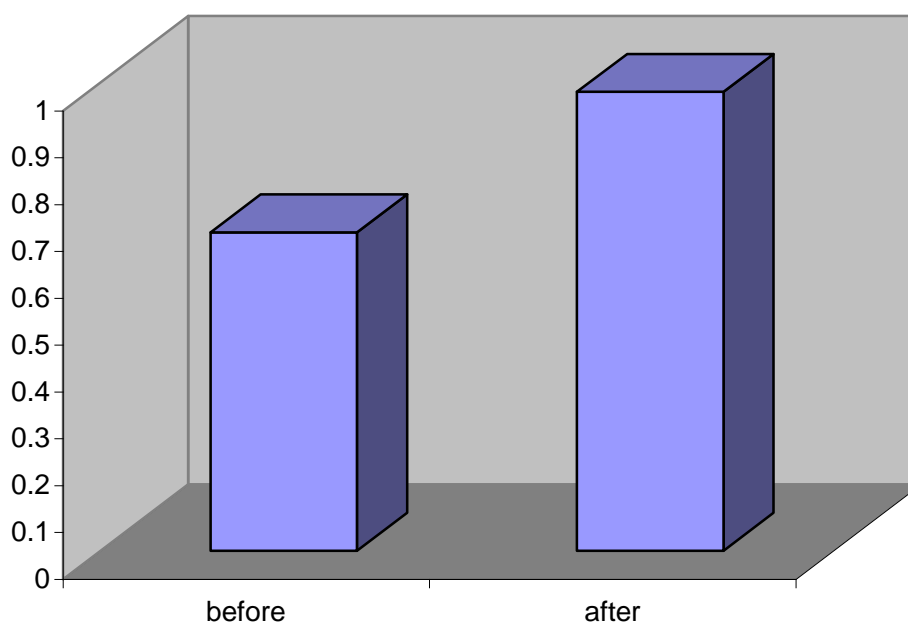


Chart (15) Means of orientation score before and after intervention

Table (12) and Chart (15): reveal that the mean scores of orientation is improved from (0.68 ± 0.57 to 0.98 ± 0.87) by (0.3 ± 0.86) of the base line value with statistical significant difference ($p < 0.05$).

Table (13): Comparison of judgment score before and after intervention

Judgment score Intervention	$\bar{X} \pm SD$	$\bar{X} \pm SD$ Difference	SE	Paired t	P
Before program	1.1 ± 0.55	0.26 ± 0.76	0.11	2.42	< 0.05
After program	1.36 ± 0.75				

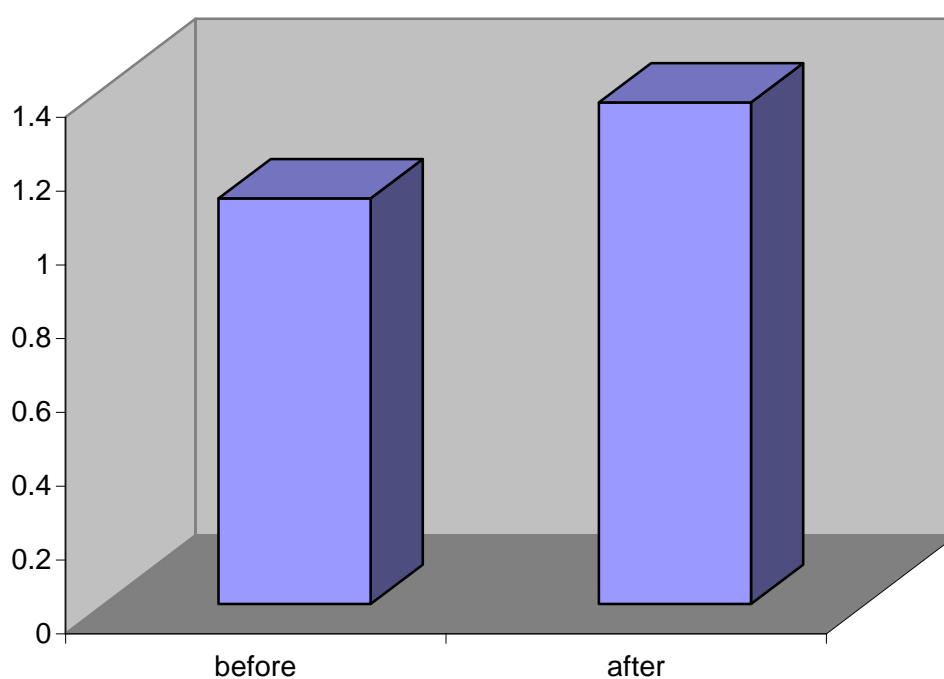
**Chart (16) means of judgment score before and after intervention**

Table (13) and Chart (16): show that the mean scores of judgment intervention is improved from (1.1 ± 0.55 to 1.36 ± 0.75) by (0.26 ± 0.76) of the base line value with statistical significant difference ($P < 0.05$).

Table (14): Comparison of insight score before and after intervention

Insight score Intervention	$\bar{X} \pm SD$	$\bar{X} \pm SD$ Difference	SE	Paired t	P
Before program	1.18 ± 0.51	0.2 ± 0.74	0.1	1.91	> 0.05
After program	1.38 ± 0.7				

Table (14): shows that the mean scores of insight intervention before program (1.18 ± 0.51) and (1.38 ± 0.7) after program. The difference is not statistically significant ($P > 0.05$).

Table (15): Comparison of physical indicators score before and after intervention

Physical indicators score Intervention	$\bar{X} \pm SD$	$\bar{X} \pm SD$ Difference	SE	Paired t	P
1- Loneliness:					
- Before program	0.76 ± 0.43	0.22 ± 0.6	0.08	2.59	<0.05
- After program	0.54 ± 0.43				
2- Difficulty in interaction with others:					
- Before program	0.82 ± 0.39	0.2 ± 0.56	0.08	2.53	<0.05
- After program	0.62 ± 0.47				
3- Regressive behavior:					
a- Inattention to grooming and personal hygiene:					
- Before program	0.86 ± 0.35	0.22 ± 0.58	0.8	2.68	<0.05
- After program	0.64 ± 0.3				
b- Fetal position (eye closed, teeth clenched, muscles rigid):					
- Before program	0.06 ± 0.24	0.02 ± 0.14	0.02	1.01	> 0.05
- After program	0.04 ± 0.2				
c- Incontinence of urine or feces:					
- Before program	1.42 ± 0.64	0.21 ± 0.62	0.09	2.47	< 0.05
-After program	1.21 ± 0.54				
d- Impaired ability to perform or completed dressing and grooming activities for self :					
- Before program	0.82 ± 0.39	0.33 ± 0.89	0.12	2.62	< 0.05
- After program	0.49 ± 0.31				

Physical indicators score Intervention	$\bar{X} \pm SD$	$\bar{X} \pm SD$ Difference	SE	Paired t	P
e-Impaired ability to perform or complete feeding activities: - Before program	0.32 ± 0.47	0.24 ± 0.43	0.06	3.95	< 0.05
- After program	0.08 ± 0.27				
f-Exhibit sucking movements: - Before program	0.06 ± 0.24	—	—	—	—
- After program	0.06 ± 0.24				
4-Display negativistic behavior: - Before program	0.28 ± 0.45	0.12 ± 0.46	0.06	1.84	> 0.05
- After program	0.16 ± 0.24				
5-Loss of goal-directed behavior: - Before program	0.96 ± 0.2	0.14 ± 0.55	0.05	1.8	> 0.05
- After program	0.82 ± 0.39				
6-Decreased motor activity: - Before program	0.82 ± 0.39	0.26 ± 0.69	0.09	2.66	< 0.05
- After program	0.56 ± 0.49				

Physical indicators score Intervention	$\bar{X} \pm SD$	$\bar{X} \pm SD$ Difference	SE	Paired t	P
7-Non- participation in work activities: - Before program	0.88 ± 0.33	0.24± 0.63	0.09	2.69	< 0.05
- After program	0.64 ± 0.49				
8-A volition (lacking in initiative): - Before program	0.58 ± 0.5	0.26 ± 0.58	0.08	3.17	< 0.05
- After program	0.32 ± 0.42				
9- Anergy (lack of energy): - Before program	0.96 ± 0.2	0.17 ± 0.62	0.08	1.94	> 0.05
- After program	0.79 ± 0.47				

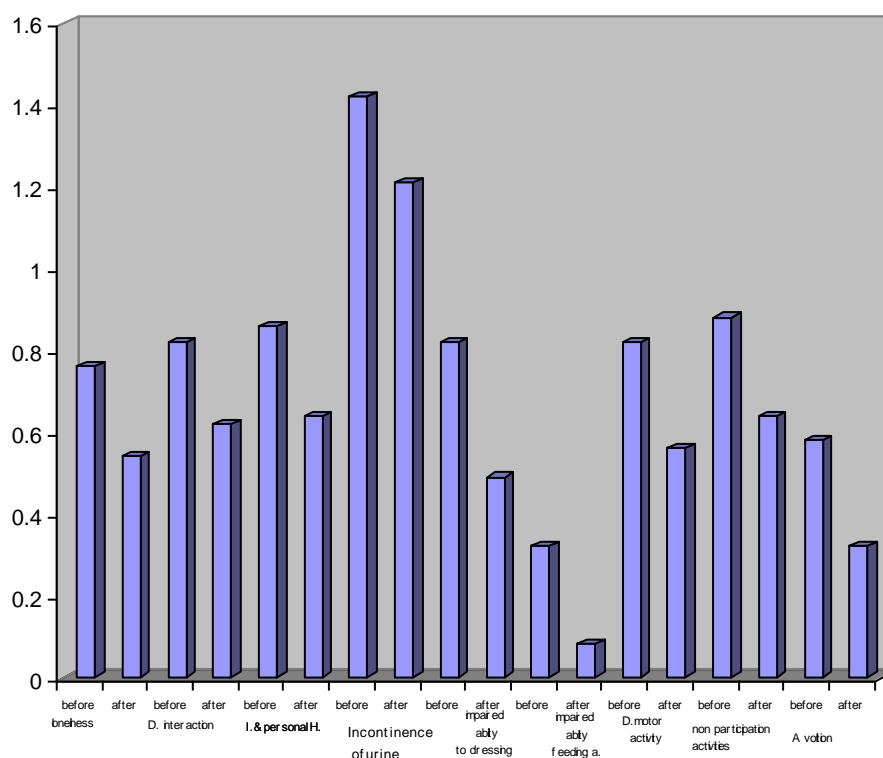


Chart (17): Means of significant physical indicators score before and after intervention

Table (15) and Chart (17): show that there are statistical significant differences between the mean scores of the physical indicators items as loneliness, difficulty in interaction with others, regressive behavior (inattention to grooming, incontinence of urine, inability to complete dressing, and inability to complete feeding activities), decreased motor activity, non participation in work activities, and a volition before and after application of the rehabilitation program ($P < 0.05$).

Table (16): Comparison of verbal indicators score before and after Intervention.

Verbal indicators Score Intervention	$\bar{X} \pm SD$	$\bar{X} \pm SD$ Difference	SE	Paired t	P
1- Lack of spontaneity: - Before program	0.92 ± 0.27	0.2 ± 0.4	0.06	3.54	<0.05
- After program	0.72 ± 0.45				
2- Muteness: - Before program	0.12 ± 0.33	0.08 ± 0.27	0.04	2.09	<0.05
- After program	0.04 ± 0.2				
3- Absent verbal communication: - Before program	0.74 ± 0.44	0.26 ± 0.68	0.09	2.7	<0.05
- After program	0.48 ± 0.45				
4- Use of monosyllables: - Before program	0.34 ± 0.48	0.09 ± 0.47	0.06	1.35	>0.05
- After program	0.25 ± 0.51				
5- Autistic thinking: - Before program	0.8 ± 0.4	0.12 ± 0.49	0.07	1.73	>0.05
- After program	0.68 ± 0.47				

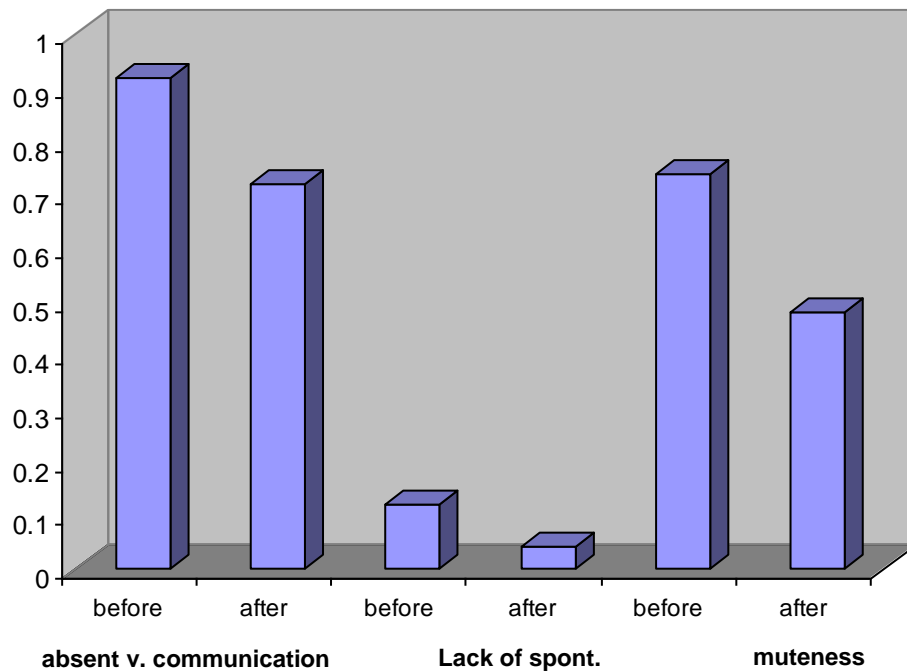


Chart (18) Means of significant verbal indicators score before and after intervention

Table (16) and Chart (18): show that there are statistical significant differences between the mean scores of verbal indicators items about lack of spontaneity, muteness and absent verbal communication before and after the application of the rehabilitative program ($p < 0.05$).

Table (17): Comparison of affective indicators score before and after intervention

Affective indicators score Intervention	$\bar{X} \pm SD$	$\bar{X} \pm SD$ Difference	SE	Paired t	P
1-Aloofness:					
- Before program	0.58 \pm 0.5	0.26 \pm 0.58	0.08	3.17	<0.05
- After program	0.32 \pm 0.42				
2-Apathy:					
- Before program	0.92 \pm 0.27	0.14 \pm 0.43	0.06	2.3	<0.05
- After program	0.78 \pm 0.47				
3-Detachment:					
- Before program	0.78 \pm 0.42	0.2 \pm 0.54	0.07	2.62	<0.05
- After program	0.58 \pm 0.45				
4- Fear:					
- Before program	0.14 \pm 0.35	0.06 \pm 0.16	0.02	2.65	<0.05
- After program	0.08 \pm 0.27				
5- Anxiety:					
- Before program	0.14 \pm 0.35	0.06 \pm 0.16	0.02	2.65	< 0.05
- After program	0.08 \pm 0.27				
6-Depression:					
- Before program	0.5 \pm 0.51	0.12 + 0.43	0.06	1.97	> 0.05
- After program	0.38 \pm 0.49				
7-Ambivalence:					
- Before program	0.1 \pm 0.3	0.04 + 0.2	0.03	1.41	> 0.05
- After program	0.06 \pm 0.24				
8-Devoid of ambition:					
- Before program	0.94 \pm 0.24	0.02 \pm 0.14	0.02	1.01	> 0.05
- After program	0.96 \pm 0.2				

Affective indicators score Intervention	$\bar{X} \pm SD$	$\bar{X} \pm SD$ Difference	SE	Paired t	P
9-Inappropriate affect: - Before program	0.82 + 0.39	0.2 ± 0.73	0.1	1.94	> 0.05
- After program	0.62 + 0.5				
10- Pre-occupied: - Before program	0.88 ± 0.33	0.08 ± 0.37	0.05	1.53	> 0.05
- After program	0.8 ± 0.4				

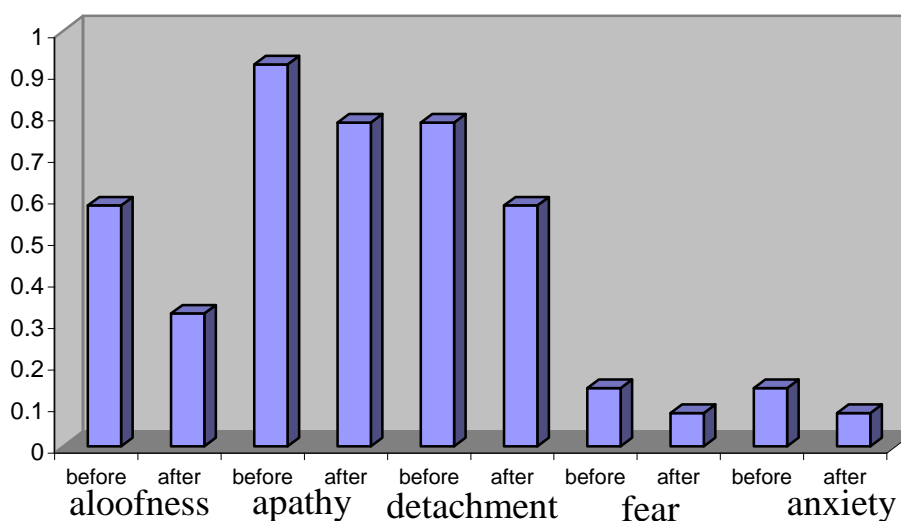


Chart (19) means of significant affective indicators before and after intervention

Table (17) and Chart (19): reveal that there are statistical significant differences between the mean scores of the affective indicators items as (aloofness, apathy, detachment, fear and anxiety) before and after the application of the rehabilitation program ($p < 0.05$).

Table (18): Comparison of reality indicators score before and after intervention

Reality indicators score Intervention	\pm SD	$\bar{X} \pm$ SD Difference	SE	Paired t	P
1-Hallucinations:					
a- Auditory:					
- Before program	0.74 \pm 0.44				
- After program	0.74 \pm 0.44	-	-	-	-
b- Visual:					
- Before program	0.41 \pm 0.49				
- After program	0.41 \pm 0.5	-	-	-	-
c- Tactile:					
- Before program	0.02 \pm 0.14				
- After program	0.02 \pm 0.14	-	-	-	-
d- Gustatory:					
- Before program	0				
- After program	0	-	-	-	-
e- Olfactory:					
- Before program	0				
- After program	0	-	-	-	-
2- Delusion:					
a – Persecutory:					
- Before program	0.18 + 0.39	0.04 + 0.2	0.03	1.41	>0.05
- After program	0.14 + 0.35				
b- Grandiose:					
- Before program	0.06 + 0.24	0.02 + 0.14	0.02	1.01	> 0.05
- After program	0.04 + 0.2				
c- Reference:					
- Before program	0.02 + 0.14				
- After program	0.02 + 0.14	-	-	-	-

Table (18): shows that there are statistical insignificant differences between the mean scores of the reality indicators items about hallucinations types as auditory, visual, tactile, gustatory, olfactory and delusions types as persecutory, grandiose, reference, erotic before and after the application of the rehabilitation program ($P > 0.05$).

Table (19): Comparison of unchanging facial expression score before and after intervention

Unchanging facial expression score Intervention	$\bar{X} \pm SD$	$\bar{X} \pm SD$ Difference	SE	Paired t	P
Before program	3.2 ± 0.95	0.26 ± 0.7	0.1	2.63	< 0.05
After program	2.94 ± 0.78				

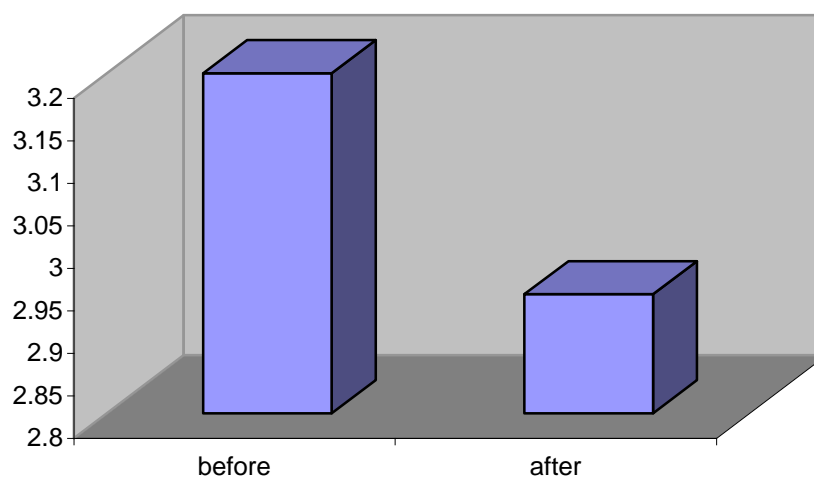


Chart (20) Means of unchanging facial expression score before and after intervention

Table (19) and Chart (20) show that the mean scores of the negative symptoms as unchanging facial expression intervention is improved from (3.2 ± 0.95) to (2.94 ± 0.78) by (0.26 ± 0.7) of the base line value with statistical significant difference ($p < 0.05$).

Table (20): Comparison of paucity of expressive gestures score before and after intervention

Paucity of expressive gestures score Intervention	$\bar{X} \pm SD$	$\bar{X} \pm SD$ Difference	SE	Paired t	P
Before program	3.36 ± 0.88	0.31 ± 0.86	0.12	2.55	< 0.05
After program	3.05 ± 0.83				

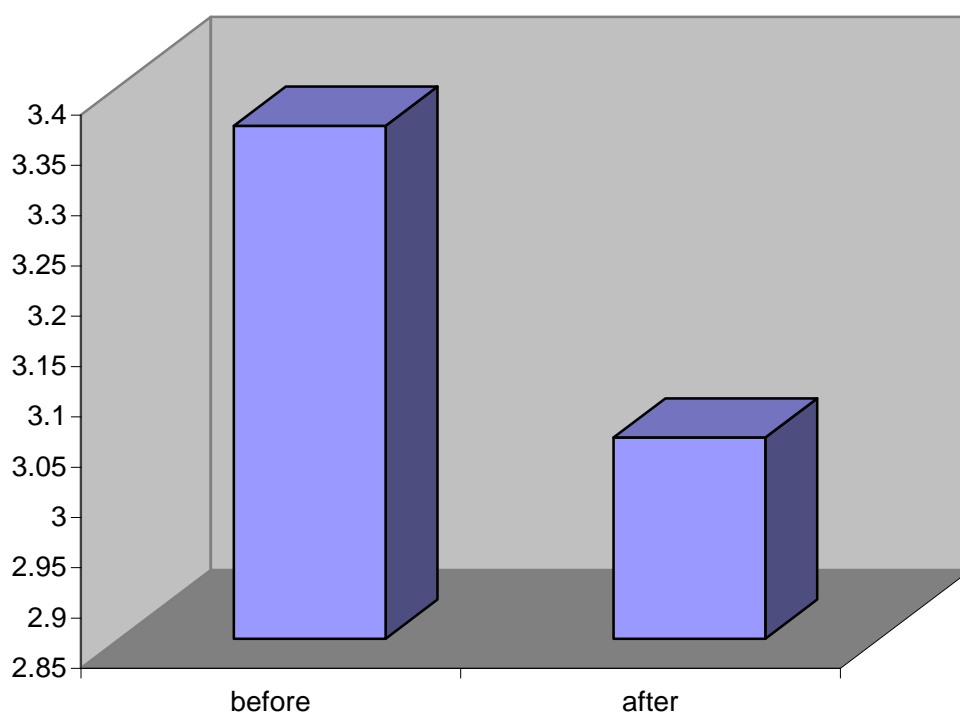


Chart (21) Means of paucity of expressive gestures score before and after intervention

Table (20) and Chart (21): show that the mean scores of the negative symptom as paucity of expressive gestures intervention is improved from (3.36 ± 0.88) to (3.05 ± 0.83) by (0.31 ± 0.86) of the base line value with statistical significant difference ($P < 0.05$).

Table (21): Comparison of poor eye contact score before and after intervention

Poor eye contact Intervention	$\bar{X} \pm SD$	$\bar{X} \pm SD$ Difference	SE	Paired t	P
Before program	3.34 ± 0.86	0.29 ± 0.84	0.11	2.45	< 0.05
After program	3.01 ± 0.80				

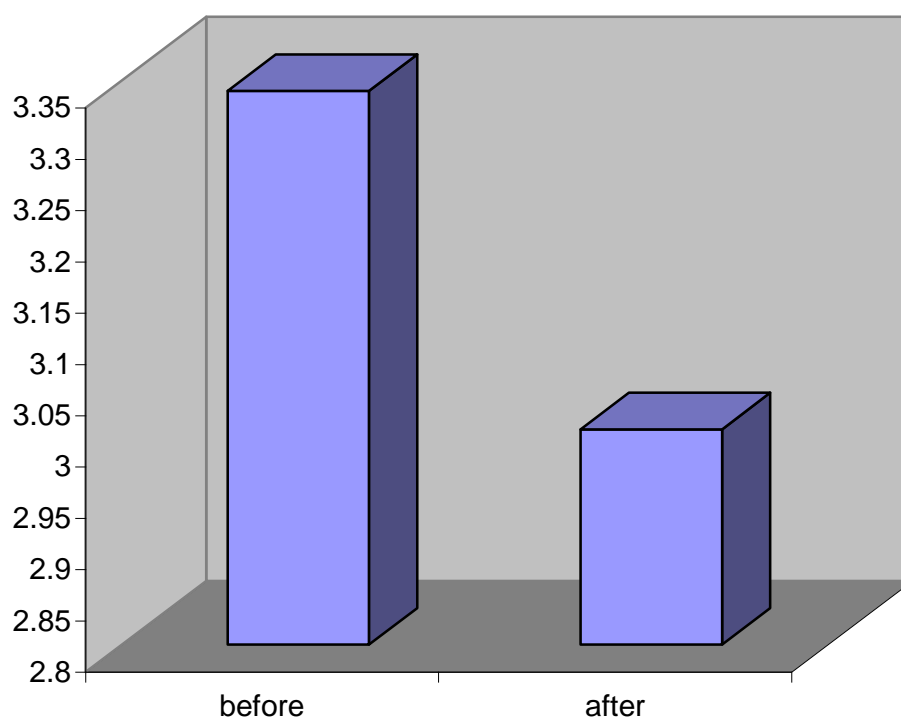


Chart (22) Means of poor eye contact score before and after intervention

Table (20) and Chart (22): show that the mean scores of the negative symptoms as poor eye contact intervention is improved from (3.34 ± 0.86) to (3.01 ± 0.80) by (0.29 ± 0.84) of the base line value with statistical significant difference ($p < 0.05$).

Table (22): Comparison of affective non – responsively score before and after intervention

Affective non – responsively score Intervention	$\bar{X} \pm SD$	$\bar{X} \pm SD$ Difference	SE	Paired t	P
Before program	3.28 ± 0.83	0.13 ± 0.47	0.06	1.95	> 0.05
After program	3.15 ± 0.87				

Table (22): shows that the mean scores of the negative symptoms as affective non-responsively intervention before program is (3.28 ± 0.83) and (3.15 ± 0.87) after program. The difference is not statistically significant ($P > 0.05$).

Table (23): Comparison of lack of vocal emphasis patterns score before and after intervention

Lack of vocal emphasis patterns score Intervention	$\bar{X} \pm SD$	$\bar{X} \pm SD$ Difference	SE	Paired t	P – value
Before program	3.5 ± 0.86	0.2 ± 0.73	0.1	1.93	> 0.05
After program	3.3 ± 0.85				

Table (23): shows that the mean scores of the negative symptoms as lack of vocal emphasis patterns (speech has monotonic quality) before program is (3.5 ± 0.86) and (3.3 ± 0.85) after program. The difference is not statistically significant ($p > 0.05$).
