The Effectiveness of Ambition Development Program among Children with Acute Lymphoblastic Leukemia

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Background

Ambition, the strong desire to achieve our goals, develop as children grow and interact.

Objectives

To assess the effectiveness of institutional created "Ambition Level Development Program" (ALDP) in a sample of children with acute lymphoblastic leukemia (ALL)

Study Design/Setting

Design: Single-center, interventional prospective non-randomized.

Materials & Methods

- **10** children with ALL were divided into an experimental group who received the ALDP training and a control group.
- Demographic and socioeconomic characteristics
- Non-verbal intelligence score

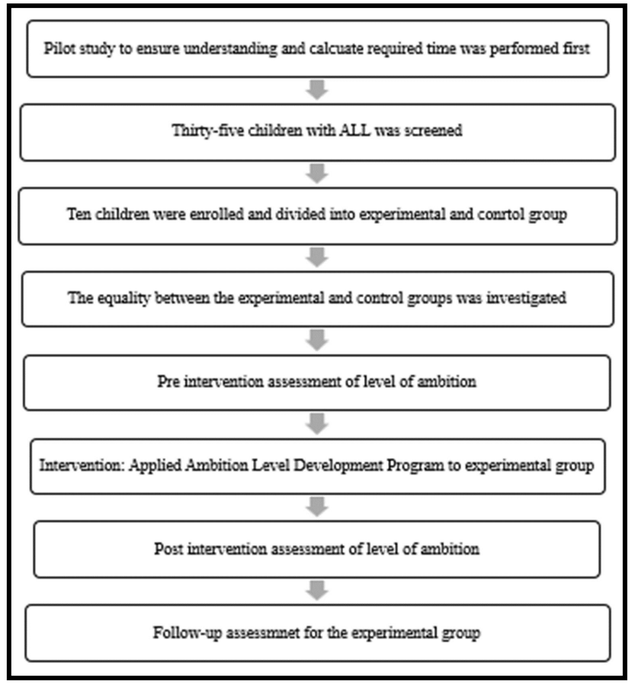


Fig 1: Flow diagram of the study procedures

Assessment of their level of ambition before and after receiving ALDP training (Fig 1)

Results

At the baseline, both the experimental and control groups showed comparable scores of different items of the level of ambition scale (p = 0.8, 0.5, 0.9, 0.8 for four items: optimism, the ability to set goals, accept all that is new, and endure failure respectively), as well as for the total level of ambition score (p = 0.8).

Dimension	Positive values n = 5		Negative values n = 5		P Value
	Average Rank	Sum of Rank	Average Rank	Sum of Rank	
Optimism	1.0	1.0	3.50	14	0.08
Ability to set goals	0.0	0.0	3	15	0.04
Accept the new	0.0	0.0	3	15	0.04
Endure frustration	0.0	0.0	3	15	0.04
Total scale grade	0.0	0.0	3	15	0.04

Tab 1: Comparison of ambition level scale of the experimental group before and after application of the program

Among the experimental group, there was a significant improvement in the level of ambition scores after implementing ALDP training (Tab 1). This improvement was not affected by gender. The increase in the level of ambition score was sustained after a post/follow-up period (p>0.5).

Conclusion

There is a positive effect of implementing the newly designed ALDP on the ambition levels in children with ALL

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