



Benha University
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**The Effect Early Intervention of Verbo-tonal Training on
Developing Language and Social development
with Children Severe Hard of hearing
in Early Childhood**

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SUMMARY

Introduction :

Science is developing rapidly, and there is no society free from the phenomenon of hearing impairment, which accompanied with many psychological, social, and educational problems.

Thus, the child who is hearing impaired needs caring, and rehabilitation, and it is better to discover his impairment, and deal with it early. The early rehabilitation and training can give the child a great opportunity to get a normal life, so that his hearing impairment does not constitute an obstacle for him to communicate with the society, to become a productive individual in the society, and to be qualified psychologically, socially, and educationally.

Study's Objectives :

The current study sought to achieve three basic objectives:

- 1- To Check for the effectiveness of using verbo-tonal trainings on developing the language, and social development in children who suffer from severe hearing impairment in their early ages (from 1 to 3 years).
- 2- To Check for effect early intervention with the hearing impairment until the child reaches on level that equivalent with the level of the normal development.
- 3- To Check for there are differences of statistical significant Between males and females in the experimental group after the administration program Verbo-tonal of the language, and social development?

The Study's Problem:

Hearing loss may lead to disturbances that can be very severe on the child with this defect. The effect of hearing loss may lead to a delay of the normal development in many fields. Hearing loss has a lot of negative effects, especially in the early childhood, since these negative effects begin with the delay in the language development, and then a delay in other aspects of development. Since the language is the basis of the communication, so it is the first means for the social development. Because of all that mentioned above, the study is defined in the following questions:

- 1 - Are there differences of statistical significance between the experimental, and control groups from Loss Hearing Children after the administration program Verbo-tonal of the language development in the post –the experimental group?
- 2 - Are there differences of statistical significance between experimental, and control groups from Loss Hearing Children after the administration program Verbo-tonal of the social development in the post –the experimental group?
- 3 - Does the early intervention can reach of Loss Hearing Children to half level of the normal hearing children after the administration program Verbo-tonal of the language development?
- 4 - Does the early intervention can reach of Loss Hearing Children to half level of the normal hearing children after the administration program Verbo-tonal of the social development?
- 5 – Are there differences of statistical significance between males and females in the experimental group after the

administration program Verbo-tonal of the language, and social development?

- 6- Are there differences of statistical significance between the after measuring and full up measuring in the experimental group of the development language in the post –the full up measuring?
- 7- Are there differences of statistical significance between the after measuring and full up measuring in the experimental group of the development social in the post –the full up measuring?

The Sample :

The Sample consists of [60] children (male, and female) their ages range from a year to three years, and their I.Q from [90 to 110], and they divided into three group :

- * [20] Children (male and female) who has hearing impairment, as an experimental group.
- * [20] Children (male, and female) who has hearing impairment, as a control group, and there hearing loss ranges from [70 to 90] decibel.
- * [20] Children (male and female) who has normal hearing as a control group.

The Tools:

- 1 - Tools for controlling the variables :

A) Socioeconomic status questionnaire.

(Prepared by : Abd El-Aziz Al-Shakhs, 1988)

B) Billy scale of development to child.

(prepared by : Abd El-Rakeeb Al-Behary, 2004)

2 - Tools for measuring the variables :

A) List of development to children from birth to sex year.

(Prepared by :F. Abraham, - T. Mansur ,1988)

3 - Training Tools :

A) The Verbo-tonal program

(prepared by Gubreina P.(1954)]

which is administrated on the study sample in the Egyptian Association for rehabilitation, and training the deaf, and hearing impairment problem.

The Result :

This study reached many results, which consider a scaffold for the specialists in the field of the hearing impairment, and for parents, because these results, have achieved a great hope in the field of hearing impairment, the results are:

- 1- An obvious and great improvement in the language development off the children severe hearing in age from year to three-year impairment after the experimental group to verbo-tonal training's for four months only.
- 2- An improvement in the social development as a result to the language development, and due to the efficiency of the program group strategies.
- 3- An improvement of the children who have impairment in the language development that reached the level of the normal child.

- 4- An improvement of the social development that reach a level higher than the normal child.
- 5- There are no differences between males and females in the language development and social development after training in this age stage.
- 6- Showed that oscillator has a great efficiency in this age group for teaching children to voice the wanted voices.
- 7- Showed the study continuing affect program Verbo-tonal after finishing administration of the language development and the social development, show from comparing means the after measuring and full up measuring.