

THE EFFECTIVENESS OF MULTI SENSORY INTEGRATION VIA ISLAMIC WAY IN CAPTURING THE INTEREST OF PERVASIVE DEVELOPMENTAL DISORDER AUTISTICS

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Abstract: *Pervasive Developmental Disorder is one of the categories of autism. Autistics suffering from this type of autism show a lack of interest in other people. They display difficulty in communication and exhibit repetitive behaviour. Autistics with the pervasive developmental disorder have a cognitive profile with high skills in spatial organization (Girardot, 2012). The purpose of this study is to spark interest in learning in the autistics suffering from pervasive developmental disorder. Three autistic suffering from pervasive developmental disorder namely from The Special Inclusive Class in a school at Kelantan was selected. A multiple baseline design was implemented. The procedure of the research is divided into three stages. Firstly, a set of Quran verses is played through a cassette to the first pervasive developmental disorder. The Quran Verses of Al Fatihah, Al-Qadr and Al Insyirah are played repeatedly through a cassette player to the first pervasive developmental disorder. After he reaches the state of stability then the multi-sensory integration was given by the researcher to the pervasive developmental disorder. it is by giving a toy car to him and made him play to and fro. After a few minutes he reaches the state of stability. Secondly, the set of Quran verses is again applied to the second pervasive developmental disorder. After half an hour he reaches the state of stability. Then the researcher use multi-sensory integration approach by giving him a toy car and made him play to and fro. After a few minutes he reaches the state of stability. Thirdly the set of Quran verses is again applied to the second pervasive developmental disorder. After half an hour he reaches the state of stability. Then the researcher use multi-sensory integration approach by giving him a toy car and made him play to and fro. The results indicated that by using the Quran verses the pervasive developmental disorder autistic became calm and this enabled him to speak and to play cheerfully. Future research should be implemented on the pervasive developmental disorder's interest that will lead to his career path.*

Keywords: *Pervasive Developmental Disorder, Autism, Autistic*

Introduction

Autism is a general term for a group of complex disorders affected the brain development (Autism Society of America, 2014) .Autism shares the same character that is poor interaction and communication skills, exhibit repetitive behaviour and speech delay. There are three types of autism that are Asperger Syndrome which is called as High Functioning Autism, classic autism which is identified as the autism who is lack of interest and attention on communication skills and the pervasive developmental disorder who does not meet the full disorder criteria for classic autism or Asperger syndrome.

The Pervasive Developmental Disorder is a category of autism which have delays on communication and socialization skills, repetitive behaviours and have poor focus and attention they have their own specific interest and tantrums full of emotions. The criteria used to diagnose autism are those described in the Diagnostic and Statistical of the American Psychiatric Association.

Literature Review

Literature on pervasive developmental disorder stated the need to address the behaviour problems related to inattention, impulsivity and aggressiveness self-injurious, behaviours and temper tantrums (American Psychiatric Association, 2000).

Based on Kanners (1943) description, numerous studies involving the epidemiology, classification and identification of autism has significantly contributed to the elucidation of biological aspects of pervasive developmental disorder. Difficulties in social interaction maybe characterized by withdrawal or improper social behaviour, poor eye contact, difficulty in participating in group activities, blunting of affect or in appropriate demonstrations of emotions, lack of social or emotional empathy.as these individuals reach adulthood social with drawal is reduced, but poor social skills and difficulty making friends still persist. (Carlos A.Gadia, Roberto Tuchman, Newra T Rotta (2004).

Communication disorders occur in varying degrees, compromising both verbal and non-verbal ability to share information with others. Some children do not develop communication skills whereas others show immature language characterized by jargon, echolalia, pronoun reversal, abnormal prosody, monotonous intonation. Those with appropriate capacity to express themselves may be unable to start or maintain a conversation. Language and communication disorders persist in adulthood and a significant number of autistic patients remain nonverbal. Those who acquire verbal skills may have persistent difficulty in establishing a conversation such a lack of reciprocity, difficulty in understanding language jokes as well as problems with interpreting body language and facial expressions.

Children with pervasive developmental disorder is unable to express oneself verbally. People who are unable to express oneself or channel negative feelings have a tendency to self-hurt. People become quickly overwhelmed since pervasive development heightens the intensity of the feelings. A child may also injure himself during a temper tantrum by throwing his body and banging his head.

Children with pervasive developmental disorder are prone to aggressive outburst. An outburst can be provoked by a perceived threat which may not make sense to the person. Children with pervasive developmental may use aggression to meet his particular needs. The aggression can also be a result of an ignored attention or misunderstood request .Aggression can be a result of

pain, fatigue, illness .Punching, biting, and kicking are the most common aggressive behaviors of people with pervasive developmental disorder.

Self-stimulating behaviors are commonly seen in pervasive developmental disorder. A child may chew on toys or other non-food objects, rub his body on the floor or spin in circles until he is dizzy. An adult is likely to have more stimulating behaviors such as ripping paper into strips rubbing finger pads together or humming and rocking back and forth.

Stuck is one way many people with pervasive developmental disorder can be described. Children and adults with pervasive developmental disorder become fixated on certain things. Transitions from a desired activity or object can be challenging. Repetitive behaviors and strict routines that cannot be broken without issues are common for person with pervasive developmental disorders. Any routines that changed are met without burst.

Therefore in order to stop this tantrum it is a dire need for the parents or the care taker to channel the pervasive developmental disorder to his or her own interest. Interest is diverse among the people with high-functioning pervasive developmental disorders. They may include typical interests, such as music, sports or movies at more intense level than usual, or more usual interests such as air conditioners or other obsessive interests. There are no clear guidelines for defining the obsessive interests. This is decided by individual clinicians. An obsessive routine might manifest in life long habits similar to those seen in obsessive compulsive disorder.

Interest play a significant role in the life of pervasive developmental disorder. They provide a sense of well-being, a positive way of occupying time, a source of personal validation and an incentive for personal growth. Restricted interest is an establish diagnostic symptom of autism. While they are considerable evidences that these interests have a mal adaptive consequences they also provide a range of benefits restricted interests of the pervasive developmental disorder may lead to their career path such as computer related skilled crafts, mechanics, engineering, food services or restaurant management.

Recent studies suggest that the prevalence of pervasive developmental disorder may be of two to five per thousand which led to a speculation about an epidemic of pervasive developmental disorder. It is very likely that the increase in the number of diagnosed individuals is due to the better identification of these disorders in less severely affected children.

Based on the above mentioned interests and abilities of the autistics suffering from pervasive developmental disorders, the current research is going to unleash the talent of the subjects suffering from pervasive developmental disorders.

Methodology

The aim of this study is to capture the interest of pervasive developmental disorder autistics .The study was carried out at a school in Kelantan. The sample of study consists of three pervasive developmental disorder from a special inclusive class of a school in Kelantan. Three persons were diagnosed as suffering from pervasive developmental disorder by experts of Hospital University Saints Malaysia, Kubang Kerian, and Kelantan. Among the single subject research model, the multiple base line design was used to test the effectiveness of multi-sensory integration using Islamic way in capturing the interests of the Pervasive Developmental Disorder. The Multiple Baseline Design is an experimental design model used to test the effectiveness of a method across multiple subjects. (Gast 2010 Tekin Iftar2012).the procedure of the research is divided into three stages. Firstly, a set of Quran verses is played through a

cassette to the first pervasive developmental disorder. The Quran Verses of Al Fatihah, Al-Qadr and Al Insyirah are played repeatedly through a cassette player to the first pervasive developmental disorder. After he reaches the state of stability then the multi-sensory integration was given by the researcher to the pervasive developmental disorder. it is by giving a toy car to him and made him play to and fro. After a few minutes he reaches the state of stability. Secondly, the set of Quran verses is again applied to the second pervasive developmental disorder. After half an hour he reaches the state of stability. Then the researcher use multi-sensory integration approach by giving him a toy car and made him play to and fro. After a few minutes he reaches the state of stability. Thirdly the set of Quran verses is again applied to the second pervasive developmental disorder. After half an hour he reaches the state of stability. Then the researcher use multi-sensory integration approach by giving him a toy car and made him play to and fro.

Results and Discussion

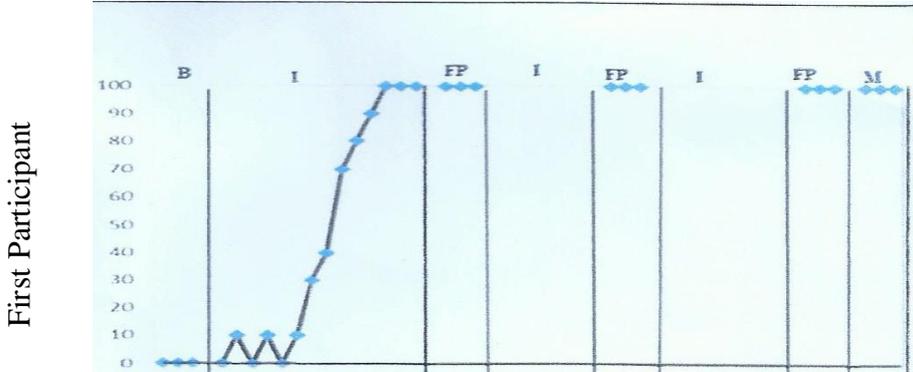


Figure 1 shows the interest rate of the first participant is between 0 to 100%.His interest rate increased from 0% during baseline to100% at the end of the session.it can also be seen that the stability at the end of session was maintained.

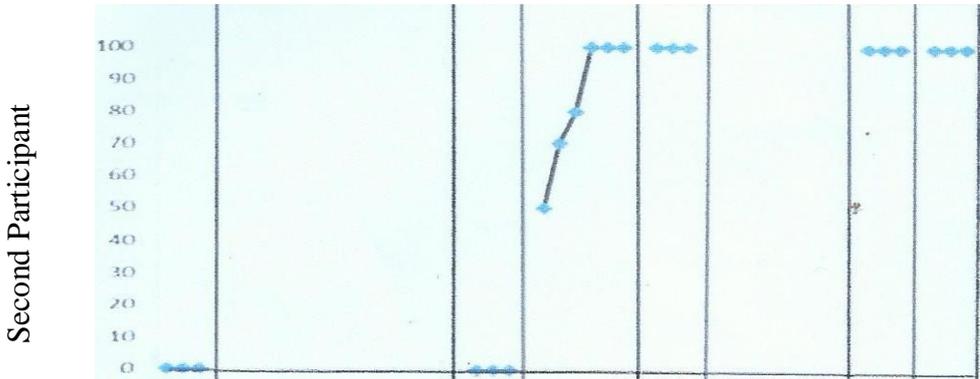


Figure 2 shows the interest rate of the second participant is between 50% to 100%.His interest rate increased from 0% to100% at the end of four sessions and stability at the end of six sessions.

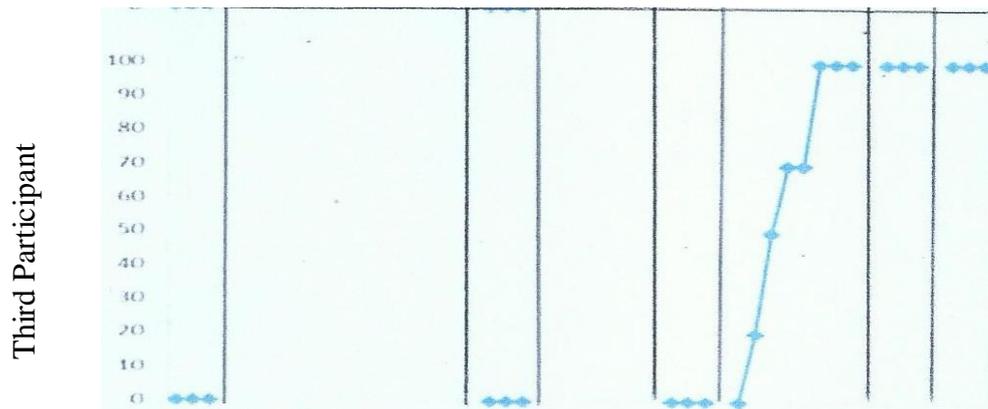


Figure 3 shows that the third participant has an interest rate between 50% and 100%. His interest increased from 0% to 100% and reached stability at the end of the session. Due to the findings obtained at the end of the study we can say that the use of multi-sensory integration is effective for all three participants.

Conclusion

The pervasive developmental disorder is a part of autism that displays a lack of interest in others and shows emotion by throwing temper tantrums. He has diverse interests and it is a challenging process to communicate with him. His obsessive interest in things will last for his life time and might alter his career path. Developmental disorder autistics.

It is crucial for the researchers to explore his interests so that they can guide him on the right path to a successful career in the future. Due to this study it can be concluded that multi-sensory integration using Islamic way can be used to capture the interest of pervasive developmental disorder autistics.

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