

The Audio-Visual stimulatory device for stimulating cognitive functions in children with Autism

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Introduction: Autism Spectrum Disorder (ASD) is a rampant disease diagnosed in majority of the children attending the Occupational therapy unit in Mulago hospital.

A study was conducted to observe the feasibility of developing the Audio-Visual stimulatory device to enhance the cognitive functions of children with Autism as registered at the OPD.

The study included three major objectives;

-Visual output, Audio output and the pretest

Methodology: The initially addressed attention deficit disorder (ADD) in Autistic children through the visual output with increased need for adapted learning and concentration enhancement in autistic children. The device later was upgraded to produce audio output.

A pretest was made on 10 children with ASD attending the OTD clinic at Mulago National Referral Hospital during a six month volunteering placement.

Findings: This paper presentation shall focus on the findings and recommendations of the study. A more detailed description of its sustainability in improving attention, concentration and improving learning shall be explored.

Methodology: The device was initially to address attention deficit disorder (ADD) in Autistic children through Visual output due to the need for adapted learning and enhancement of concentration. The device later was upgraded to produce audio output by use of binaural beats for high concentration.

A pretest was made on 10 children with ASD attending the OTD clinic in Mulago National Referral Hospital during a two months volunteering placement.

Findings: This paper presentation shall focus on the findings and recommendations of the study. A more detailed description