Parkland College

Occupational Therapy Assistant Poster Sessions

Student Works

2012

O.T.'s Use of Technology throughout the Lifespan

Ginger Hitchins
Parkland College

Recommended Citation

 $\label{likelihood} \mbox{Hitchins, Ginger, "O.T.'s Use of Technology throughout the Lifespan" (2012). \textit{Occupational Therapy Assistant Poster Sessions.} \mbox{ Paper 2. } \\ \mbox{http://spark.parkland.edu/otaps/2}$

Open access to this Poster is brought to you by Parkland College's institutional repository, SPARK: Scholarship at Parkland. For more information, please contact spark@parkland.edu.

Cerebral Palsy:

- Is a group of disorders of the brain that affect body movement, balance,
- Is caused by damage to specific areas of the brain (usually during fetal development) but can happen during the first 2 years of life.
- · Is not a disease. It is not progressive and is not contagious.



How Can Cerebral Palsy Affect A Child?

- Muscle tone (stiffness or flaccidity) and muscle weakness, affecting positioning and play
- · Balance and movement difficulty with delays in motor skills like sitting, crawling, and walking
- · Problems in sensory processing with touch and movement discrimination, vision and hearing loss, sucking, swallowing and chewing which affect social interaction, communication education, play and feeding









O.T.'s Use of Technology Throughout the Lifespan

Early Childhood



Funding Sources for

Technology

· Individuals with Disabilities Education Act

Early and Periodic Screening, Diagnosis, and Treatment (EPSDT)

Cerebral Palsy Association, March of Dimes

· State Assistive Technology Loan Programs Other funding sources such as: Lions, Masons and Kiwanis Clubs, United Way, United

(TDFA)

. Medicaid

· Private medical insurance

Occupational Therapy's Role With Technology in Early Childhood

Assess child's need and supervising the use of technology with difficulties or dysfunction in

- · Feeding
- · Bathing and Dressing
- · Communication
- · Playing · Mobility
- · Positioning and handling
- · Handwriting and classroom participatio
- Occupational Therapy also helps with:
- · Securing funding for technology
- · Family involvement with the use of technology



Occupational Therapy Assessments

Occupational therapists and occupational therapy assistants observe children with cerebral palsy at home, during play, and at school. An experienced occupational therapy assistant can assist occupational therapists in

- · Assessing functions in activities of daily living
- · Fine Motor function
- Gross Motor function
- · Positioning for access of technology Determining need and measuring outcomes of assistive technology





Grace's Treatment Team Members

- · Pediatrician
- · Neurologist · Orthopedist
- · Occupational Therapist · Social Worker
- · Speech Therapiet
- · Physical Therapist
- · Classroom Aide
- · Special Education Teach



Technology Used by Grace



















