

The Advantages of Using Digital Technology

To Enhance Your Practice



Presented by:

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Meet your presenters

- Katrina Zeit MHA, MA, CCC-SLP
 - The Ohio State University- Masters of Health Administration- 1996
 - University of Cincinnati- MA, Communication Sciences and Disorders- 2001
 - SLP II at Cincinnati Children's Hospital Medical Center
 - Coordinates PR for the Division of Speech Pathology
 - President of the Ohio Speech-Language and Hearing Association (OHSLA)

Meet your presenters

- Kevin McElfresh MA, CCC-SLP
 - Northern Kentucky University: BA, Speech Communication-2002
 - University of Cincinnati: MA, Communication Sciences and Disorders-2005
 - SLP I at Cincinnati Children's Hospital Medical Center
 - Chair of the CCHMC Technology Committee

Utilizing Technology

- Improves clinical outcomes
- Cost effective
- Increases efficiency
- Valuable for families and clinicians
- Educational
- Practical

Learner Outcomes

- Describe how digital technology enhances care.
- How intranet systems improve clinical function.
- How technology can be used in your own practice.

Digital Recording Technology

- Webcams
- HD camcorders
- PC software (editing, applying to CD/DVD)
- Storage

Web Cameras

Photo

Webcams

Clinical Evaluations and Treatment

- Systematic Disfluency Analysis (SDA)
 - Instant playback for families
 - Demonstration of techniques to send home
 - Involve other therapists from long-distances
 - Teletherapy
- Additional uses:
 - Case study
 - Presentation or lecture material
 - Baseline comparison for progress
 - Entertaining way to practice treatment techniques

Webcams cont.

- Benefits of Webcams over traditional Cameras
 - Time saving
 - Cost effective
 - Subtle
 - Multiple uses (photos, voice recordings, etc)
 - Can motivate a child to perform

Intranet Systems: Blackboard

- Competencies
- Specialty Team information
- Treatment resources
- Lectures & Presentations
- Discussion boards
- Journal articles
- Related links
- Orientation information
- Compliance information (JCAHO, CARF)
- Staff meeting videos

BlackBoard Photo

Photo

Centerlink Photo

Photo

Virtual Reality Theatre: Case Western Reserve University

- Allows patients to practice skills in real-life scenarios in a controlled environment
- Promotes carry-over and generalization of skills
- Developed by Stacy Williams, Assistant Professor at CWRU
- <http://www.case.edu/artsci/cosi/>

Intranet Systems cont.

- Computerized Documentation/Charting System
 - Standardizes level of clinical care
 - Improves clinical efficiency of documentation
 - Improves communication between CSR, Staff and families
 - Retrieve previous documentation easily
 - Reduces paper waste
 - Continuity of care from multiple locations (network)

Observation System

- CCHMC observation system includes
 - Observation camera
 - DVD/VCR recorder in therapy rooms
 - Observation monitor for families
 - DVR recording capabilities for mass storage

Observation System

Photo

Observation System cont.

- Benefits
 - Storage of recordings
 - Parent/Student observation of treatment
 - Facilitate carryover
 - Clinical demonstration (competencies)
 - Case study video (ease of recording)
 - Allows discreet viewing of patient/parent interaction

Application of Information

What technology do you use in your practice that we did not mention today?

Application of Information

How can you utilize technology
into your practice?

Application of Information

What are some suggestions to improve our technology at CCHMC?

Application of Information

What are the obstacles to incorporating technology into your practice?

Your Questions