Technology “Meet the Parents” – Ron Oberleitner


Robby diagnosed at 3 ½ years

Robby at 26 yr..

Disclosure -
CEO, Shareholder of Caring Technologies, Inc. (Boise, ID) dba Behavior Imaging
Technology “Meet the Parents” – Ron Oberleitner

1990's: 'My Day Job'

- Surgery Software
- Image Guided Surgery
- Telemedicine w/ Operation Smile


- Robby diagnosed at 3 ½ years
- Robby at 26 yr.

Disclosure -
CEO, Shareholder of Caring Technologies, Inc. (Boise, ID), dba Behavior Imaging
Technologies in Autism (Healthcare Focus)

Introduction - Ron Oberleitner (Robby’s Dad)

Topics:
- “InHome Monitoring” - Matthew Goodwin
- “ECHO Autism” - Kristin Sohl
- “Telehealth, and more...” - Ron Oberleitner
Idaho Rural Health Telemedicine Network (2003!)

- 2003: Creation of the network
- 2004: Launch of Teletherapy program
- 2005: Autism Telehealth presented at ATA
- 2006: 'Technologies to Lessen the Distress of Autism' book chapter
- 2007: 1st Autism Telehealth Summit
- 2010: Telehealth for Rural Therapy via Military Project

Related fields:
- Autism
- Distance Learning
- Computer Learning
- Telemedicine
- Teletherapy
Telehealth’ for Autism Healthcare

Medical
- Sleep issues
- Seizures
- Obesity
- GI
- Genetic

Mental Health
- Earlier Diagnosis (waitlists)
- Anxiety
- Depression / Suicidality
- Behavior in Natural Environment
- Med Management

Why???
- Conventional care is $$$, unsustainable
- > 25% (non verbal) can’t communicate their health needs
- Distance from helpful Providers (helpful experts is another trip for patients.)
- Behaviors and Medical symptoms don’t always appear at office visit
- People with ASD needlessly die younger!
Realtime Telehealth

Diagnosis via Realtime Telemedicine

Realtime Telehealth (aka Live Virtual Interactions)

St. Luke’s Autism Clinic Launches Telehealth Service

By Chris Langilli, News and Community

April 20, 2018

Dr. J. Timothy Leavell has been seeing for some time that autism families have had to go to great lengths – literally – to come see him at his office.

“It began to dawn on me, first of all, about the people coming from WVG,” said Dr. Leavell, whose clinic’s office is part of the St. Luke’s Children’s Center for Autism and Developmental Disabilities. “They would drive two hours for a 30-minute follow-up visit. And you stop and think, ‘that’s a huge waste of time.’”

So, for some time, Dr. Leavell has been excited about the possibility of bringing telemedicine to this clinic. But last year, with the help of the state’s to improve access to care for patients through telemedicine, some adjustments had to be made to the clinic’s policies. Dr. Leavell was eager to take the next step with his clinic.

Secure Videoconferencing

Collaborative Care During Patient visit with Family Doctor

Secure Text
Other Telehealth Technologies

Asynchronous Telehealth

Remote Monitoring / Patient-centric apps

Remote 'screeners' / questionnaires
(Remote) Health Assessments via Behavior Imaging
What Families do.....

• Diagnostic Assessments

• Behavior Assessment
• Remote Consultation
• Staff / Parent Training
• Skill Assessment

What Clinicians do....

• Medication Management
• Better Pharma Trials

Expert 'Radiology' Suite

Eg. Organize per DSM 5
Expertise in the Field

**Diagnosis**

- Georgia Tech
- SARRC
- Phoenix Children's Hospital
- 10 States, 4 Countries, 9+ Publications

**Treatment /Supervision**

- University of Kansas
- The Children's Institute
- Marcus Autism Center
- Boise State University
- Emory University
- Georgia Tech
- KU
- 40 States, 7 Countries, 20+ Publications
Results vs. Traditional Methods

Diagnostic Assessment ...
- 88% agreement to InPerson
- ½ the time for Diagnostic Assessment

(Functional) Behavior Assessment
- Response = 1 vs. up to 30 days (t)
- 42% less costly ($)
  - Eg. Saves $12,000 /year per client
- Save Clinical Time (reduce travel)
- 43% less data collection errors
- Video data invaluable to measure progress
System of Care Telehealth Platform

How would it work for the most FAMOUS behavior specialist? [https://youtu.be/El9-t58S8no?t=10](https://youtu.be/El9-t58S8no?t=10)
Telehealth Call to Action!
Other (Idaho) Technology Resources

AXR INSTITUTE
VIRTUALLY ANYTHING AND EVERYTHING IS POSSIBLE!
WWW.AUTISMXR.ORG

Boise State GIMM Program

Idaho Assistive Technology Project
Making Technology the Great Equalizer