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


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Idaho Rural Health Telemedicine Network (2003!)

2002- First PSA for Autism Telehealth video

- 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
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

• Reischl U, Oberleitner R, Simper P, Connecting Autism Families with Emergency Support (Katrina Families aided by Telehealth Technologies), Northwest Public Health, Fall, 2006
Realtime Telehealth (aka Live Virtual Interactions)

St. Luke’s Autism Clinic Launches Telehealth Service

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

“I began to think, ‘hey, all about the people coming from UIWCA’ said Dr. Lewell, who’s office is part of the St. Luke’s Children’s Center for Autism and Developmental Disabilities. “They would drive too far for a 30 minute follow up visit. And you stop and think, ‘that doesn’t make any sense at all. That’s a huge waste of time.’”

So, for some time, Dr. Lewell has been excited about the possibility of bringing telemedicine to his clinic. But first, legislation needed to be passed. After legislators made some changes to Illinois’s laws, Dr. Lewell was eager to take the next step with his clinic.

Secure Videoconferencing

Secure Text

Collaborative Care During Patient visit with Family Doctor
Other Telehealth Technologies

Asynchronous Telehealth

Remote Monitoring / Patient-centric apps

Behavior Imaging

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

• Diagnostic Assessments

What Clinicians do....

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

• Medication Management
• Better Pharma Trials

Eg. Organize per DSM 5

Expert ‘Radiology’ Suite

NO DA Capture

Behavior Capture

Med SmartCapture

Reporting
Expertise in the Field

Diagnosis

10 States, 4 Countries, 9+ Publications

Treatment /Supervision

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/EI9-t58S8no?t=10](https://youtu.be/EI9-t58S8no?t=10)
Telehealth Call to Action!