2020 NRTRC TAO VIRTUAL CONFERENCE

Northwest Regional Telehealth Resource Center and the Telehealth Alliance of Oregon

Welcome You

Bronze Sponsors:

Exhibitors:

Non-profit:

Pacific Northwest University of Health Sciences   University of Utah Health Clinical Neuroscience

VIRTUAL SESSION INSTRUCTIONS

- Audio and video are muted for all participants
- Use the Q&A feature to ask questions
- Moderator will read questions to the speaker
- Presentation slides are posted at https://nrtrc.org/sessions. Recordings will be posted after the conference.

- Moderator: Doris Barta
- Presenters:
  - Doris Barta, Director, National Telehealth Technology Assessment Resource Center (TTAC)
  - Jordan Berg, Technology Assessment Specialist, National Telehealth Technology Assessment Resource Center (TTAC)

Telemedicine Technology: A Virtual Showcase

Presented at the NRTRC
Virtual Conference on
April 15, 2020

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AFHCAN Telehealth Solutions

ALASKA NATIVE TRIBAL HEALTH CONSORTIUM

TTAC TelehealthTechnology.org
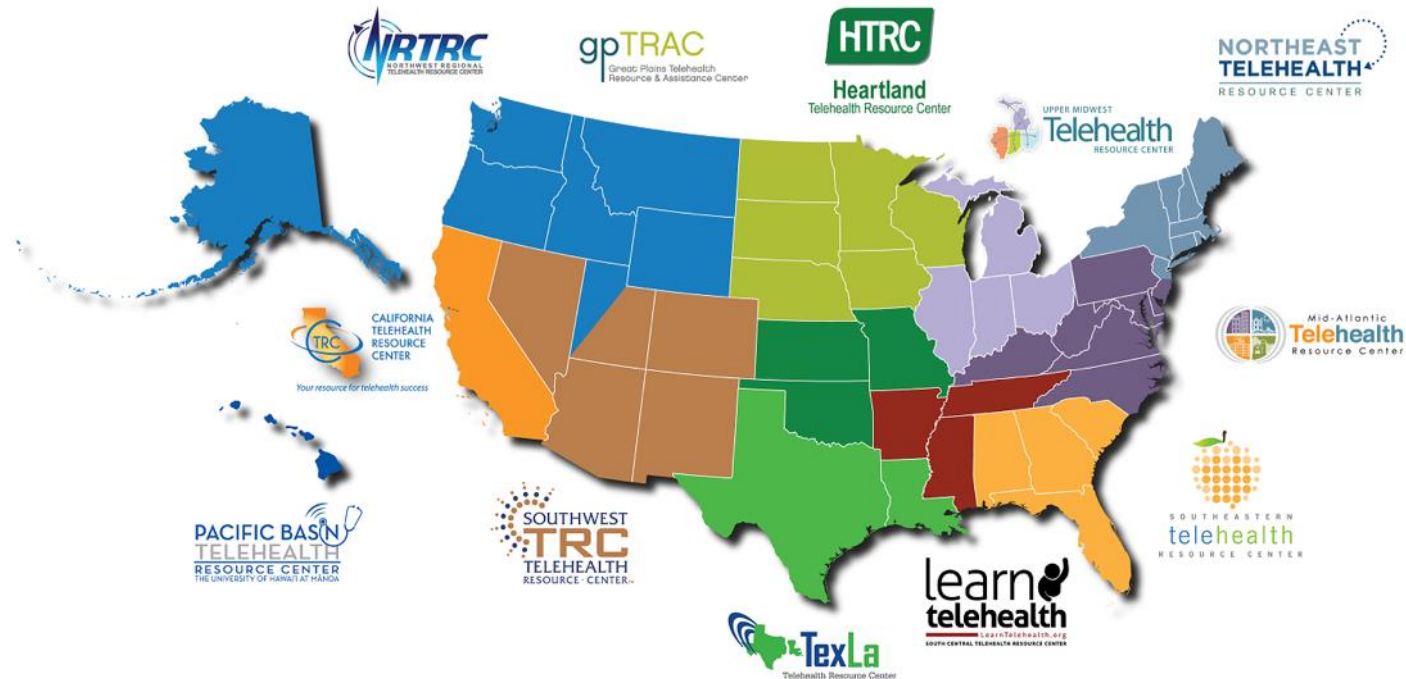National Telehealth Technology Assessment Resource Center

Who is TTAC?

- TTAC is federally funded through the Office for the Advancement of Telehealth (OAT)

- TTAC provides Technology Assessment services to the 12 regional TRCs as well as the other national TRC.

- Between the three TTAC staff, there is over 50 years of experience in Telehealth

Telehealth Resource Centers

Provide FREE RESOURCES for Telehealth program development and sustainability

Technology Showcases

- Provided at Regional Conferences
- Allows attendees to experience and compare medical peripherals
- Vendor Neutral

Overview

- **Telemedicine Platforms**
- **Video Conferencing Hardware**
  - **USB AV Solutions**
- **Exam Cameras**
- **Stethoscopes**
- **mHealth**
- **Augmented Reality**
- **Final Thoughts**
- **Questions**

Telemedicine Platforms- COVID-19

Key Features:

- **Web-Based**
- **Direct to Patient in Home**
- **Mobile Platforms**

Key Concerns:

- **Deploy-ability**
- **Scalability**
- **Reliability**
- **Security/Privacy**
- **Ease of Use**

Video Conferencing Hardware- Cameras and Audio

- **"Plug and Play" USB devices**

- **Integrated Audio and Video**

Video Conferencing Hardware- Cameras and Audio

3

Live Demonstration:

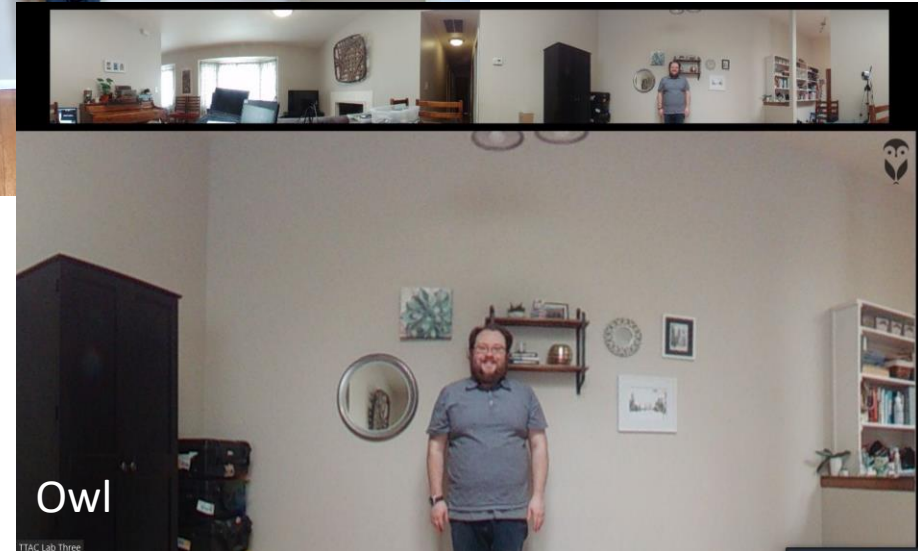1. Logitech Meetup
2. Poly Studio
3. Meeting Owl

1

2

Video Conferencing Hardware- Cameras Comparison

Meetup

Studio

Owl

Exam Cameras

- "Plug and Play"/USB
- Multi-Exam
- Capture and/or stream
- Variable Device Costs
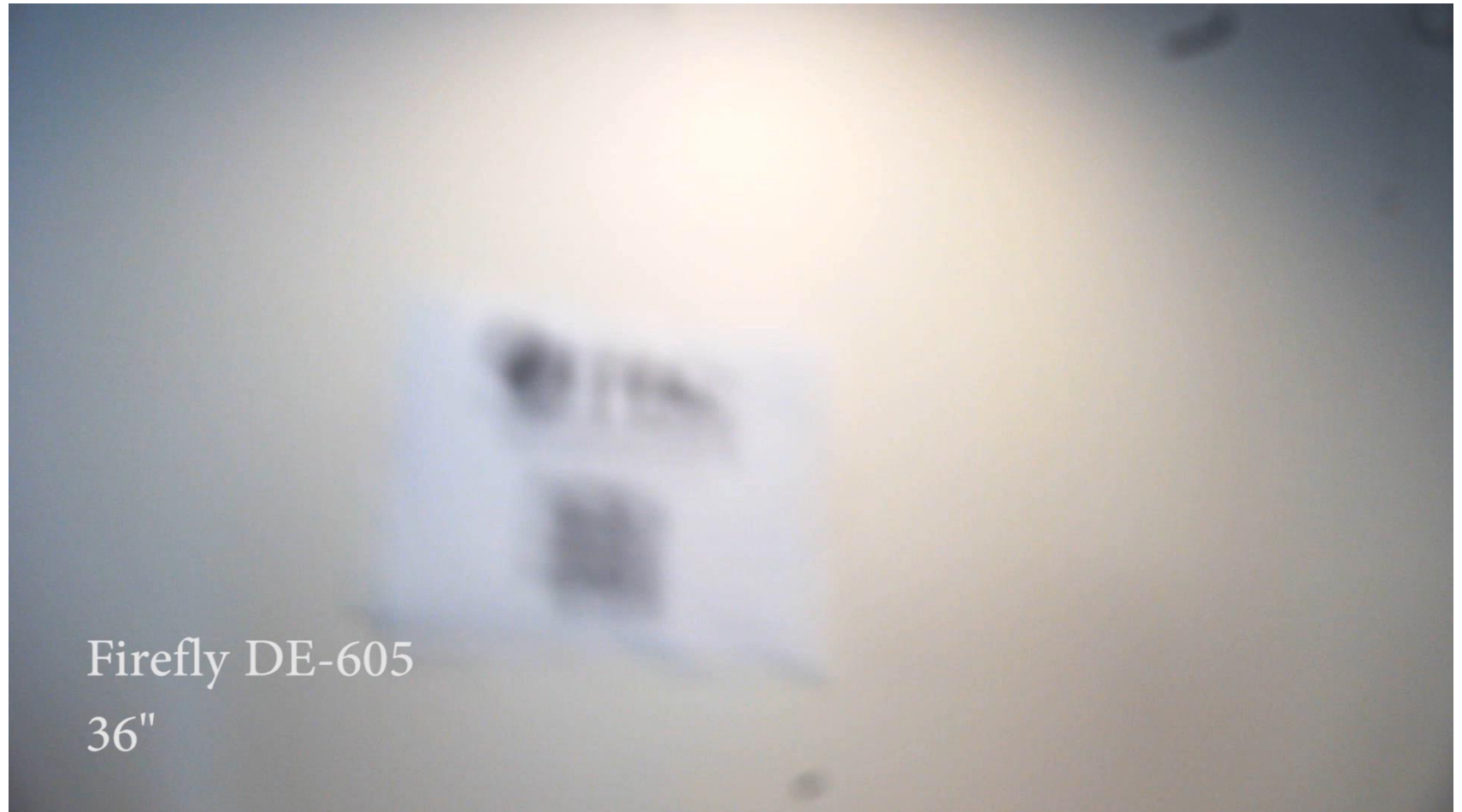
Exam Cameras:
Firefly DE605 Features

Live Demonstration:

Layout and Features of the DE605

Exam Cameras:
Firefly DE605 Video Demo

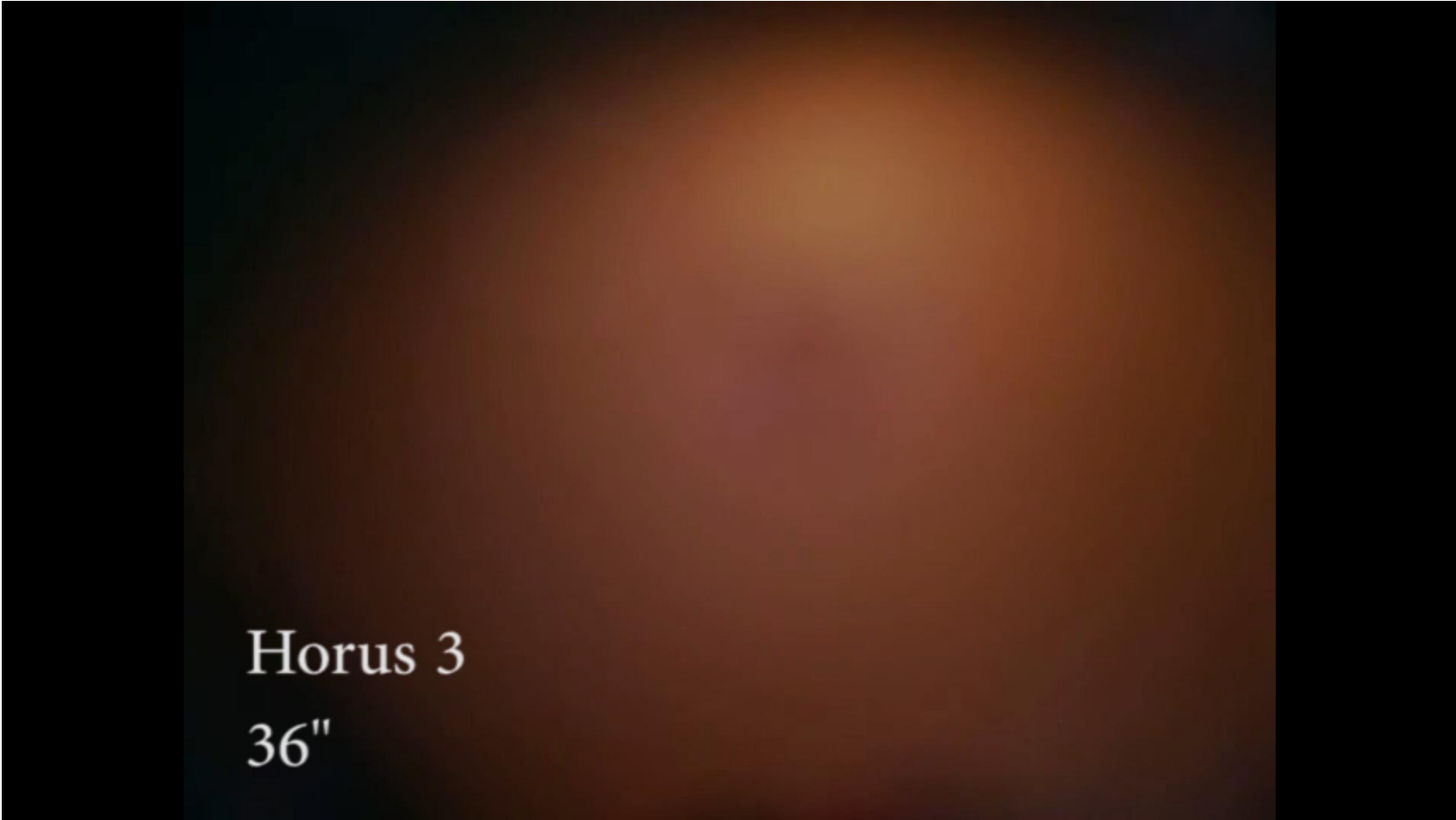Firefly DE-605
36"

Exam Cameras:
Horus 3 Features

Live Demonstration:

Layout and Features of the Horus 3

Exam Cameras:
Horus 3 Video Demo

Exam Cameras:
Total Exam 3 Video Demo

Live Demonstration:

Layout and Features of the Total Exam 3

TotalExam®3

Exam Cameras:
Total Exam 3 Video Demo

Total Exam 3
36"

Stethoscopes

- Bluetooth Vs. Wired

- Mobile Based

- Various streaming software options at varying price points

- ECG

Stethoscopes- Features

Live Demonstration

Overview of the:
1.   Littmann 3200
2.   JedMed Omnisteth
3.   Eko Duo

mHealth

- Basic Components
  - Smart Device
  - Software "app" for device
  - Peripheral medical devices
  - Centralized server for storing and sharing data

mHealth- Features

Overview of the:

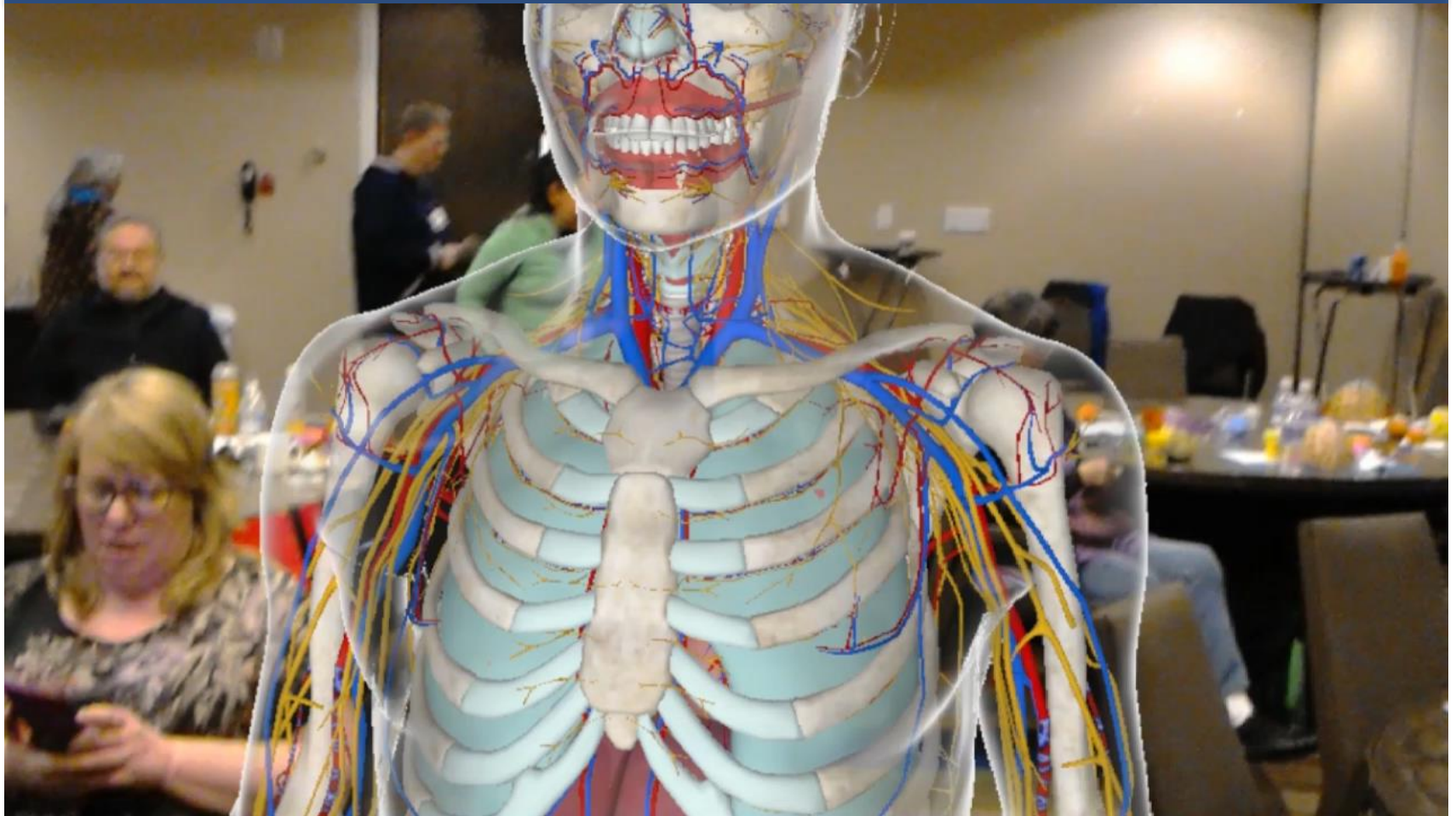1. DermLite
2. ButterFly IQ
3. Tytocare

mHealth:
Butterfly IQ Video Demo

Augmented Reality

- Add digital information to the physical world

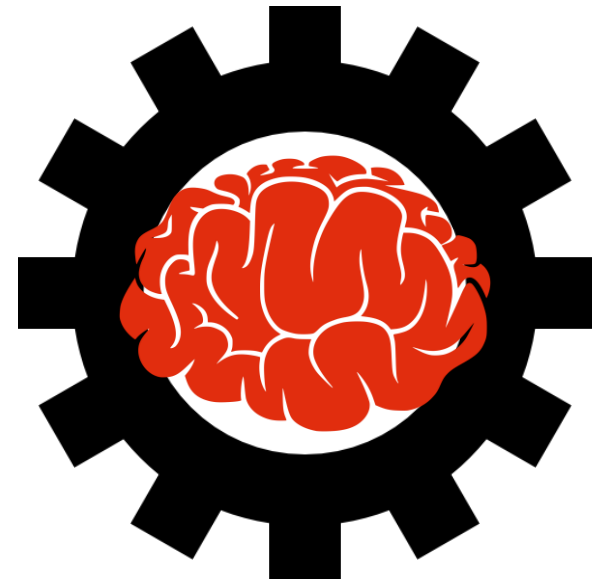- View virtual objects in 3 dimensions

Augmented Reality:
Microsoft Hololens User View

Final Thoughts

- Technology should always support the Use Case
- Hands-on is vital
- Obtain Support:
  – Clinical
  – Administrative
  – Technical/IT

Final Final Thoughts

Covid-19

- Using what the patient has
- Security and Privacy
- Plan past the Crisis
- Connectivity/Broadband

Thank You

Contact Us:

www.telehealthtechnology.org

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