

# ECHO *for* Intestinal Failure

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**Mount  
Sinai**

## Disclosures

- ▶ Site investigator for NPS Pharmaceuticals
- ▶ Scientific advisor NPS/Shire Pharmaceuticals
- ▶ Scientific advisor Zealand Pharmaceuticals
- ▶ Surgeon

## The ECHO Project – Dr Sanjeev Arora, MD, UNM, Albuquerque.

- ▶ [See video at https://echo.unm.edu/about-echo/model/](https://echo.unm.edu/about-echo/model/)
- ▶ There is a link to the ECHO video on the Oley website

# Project ECHO – Expanding Community Healthcare Outcomes

## Project ECHO®:

Right Knowledge. Right Place. Right Time.



Project ECHO (Extension for Community Healthcare Outcomes) is a movement to democratize knowledge and amplify local capacity to provide best practice care for underserved people all over the world. The ECHO model™ is committed to addressing the needs of the most vulnerable populations by equipping communities with the right knowledge, at the right place, at the right time.

Project ECHO is a movement to improve the lives of people all over the world.



### Moving Knowledge Not People

Project ECHO transforms the way education and knowledge are delivered to reach more people in rural and underserved communities.

This low-cost, high-impact intervention is accomplished by linking inter-disciplinary specialist teams with multiple primary care clinicians through teleECHO™ programs. Experts mentor and share their expertise across a virtual network via case-based learning, enabling primary care clinicians to treat patients with complex conditions in their own communities.

People get the high-quality care they need, when they need it, close to home.

### What is the ECHO Model?

1. Use Technology to leverage scarce resources
2. Share “best practices” to reduce disparities
3. Apply case-based learning to master complexity
4. Evaluate and monitor outcomes

### Changing the World, Fast

Replicating the ECHO model across the U.S. dramatically increases the number of community partners participating in ECHO, enabling more people in rural and underserved communities to get the care they need.

- 80+ U.S. Sites
- 50+ Global Partners
- 23+ Countries

**GOAL** touch the lives of **1 Billion by 2025**

### Building a Global Community

Dozens of teleECHO programs addressing common complex conditions take place every week—and their reach extends far beyond New Mexico. From Beth Israel Deaconess Medical Center in Boston to the University of Hawaii.

Global interest is mounting. ECHO programs operate in North and South America, Europe, Australia, Africa and Asia.



For more information on Project ECHO visit [echo.unm.edu](http://echo.unm.edu)

1. Use technology to leverage scarce resources
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1. Arora S et al, Acad Med 2007
2. Arora S et al, Public Health Reports 2007
3. Arora S et al, Hepatology 2010
4. Arora S et al, NEJM 2011
5. Etc.. & personal communications

## ECHO for Intestinal Failure

- ▶ Pilot project to be launched January 2019
- ▶ ECHO Host at Mount Sinai Hospital, New York (ISMMS)
- ▶ Initial launch in the NE USA –
  - Target population 65-70 million people
  - Estimated IF prevalence 300 – 400 cases
  - Intent to upscale nationally rapidly, 1 – 2 years

## Project Advisory Board

- ▶ Mount Sinai
    - Kishore Iyer – Principal Investigator
    - David Gutierrez – Technical Services
  - ▶ Univ of Illinois
    - Kelly Tappenden, RD, PhD, Co-Investigator
  - ▶ Rhode Island Hospital (Brown Univ)
    - Marion Winkler, RD, PhD, Co-Investigator
  - ▶ Mayo Clinic Scottsdale
    - John DiBaise, MD
  - ▶ ASPEN:
    - Michelle Spangenburg, MS, RD, LDN (ASPEN)
  - ▶ Oley Foundation
    - Joan Bishop
    - Lisa Metzger
    - Betty Bond
  - ▶ Optum Healthcare
    - Anthony Bonagura, MD, National Medical Director, Transplant & Complex Conditions
  - ▶ Interlink Network Services/Kaiser Permanente
    - Ron Potts, MD, Chief Medical Officer, Interlink, Chief of Quality, Kaiser Transplant
- tbd: Clinic coordinator, Admin*  
*- tbd: Research coordinator*

# Project Plan

- ▶ Tele-ECHO Clinics for Intestinal Failure
  - 2 Clinics per month
  - Each Clinic of about 90 min
  - Plan to discuss 2 cases per clinic
  - Short didactic
  - Develop a library
  - Provide free CE credits for participants
  
- ▶ Project Coordinator at Sinai
  - Will triage and coordinate cases
  - Cases to be presented to standard templates
  - Recommendations to presenter on completion
  
- ▶ NOTE: ECHO Clinic participation not open directly to patients

# Strategy

- ▶ Funding
  - Currently exploring extra-mural grant funding
  - Unrestricted educational grants
  - Plan to start ECHO-IF Jan 2019
  
- ▶ Currently recruiting participating ‘spokes’
  - Clinicians at Home Care companies
  - Non-specialist physicians at medium sized-hospitals
  
- ▶ Plan to study:
  - Participation and value to participants
  - Patient reported Quality of Life
  - CLABSI rates – exploratory.



## Summary

- ▶ A multi-disciplinary approach to IF management appears to achieve improved outcomes
  
- ▶ The ECHO Model is an exciting and disruptive medical innovation
  - potential to produce a paradigm shift in IF management
  - will provide a virtual multi-disciplinary “consult” service
  - may lead to improved outcomes in IF care
  - Planned launch in January 2019