

The National Telehealth Webinar Series

Presented by
The National Network of Telehealth
Resource Centers

Telehealth Resource Centers

http://www.telehealthresourcecenters.org

- California Telemedicine & eHealth Center (CTEC)
- Great Plains Telehealth Resource & Assistance Center (GPTRAC)
- Heartland Telehealth Resource Center (HTRC)
- Mid Atlantic Telehealth Resource Center (MATRC)
- Northeast Telehealth Resource Center (NETRC)
- Northwest Regional Telehealth Resource Center (NRTRC)
- Pacific Basin Telehealth Center (PBTRC)
- South Central Telehealth Resource Center (SCTRC)
- Southeastern Telehealth Resource Center (SETRC)
- Southwest Telehealth Resource Center (SWTRC)
- Upper Midwest Telehealth Resource Center (UMTRC)
- Telehealth Technology Assessment Center (TTAC)



Clinical Applications

Ronald S. Weinstein, MD

Director, Arizona Telemedicine Program
President Emeritus, American Telemedicine Association
and

Anna R. Graham, M.D. Scholar in Residence, Arizona Telemedicine Program

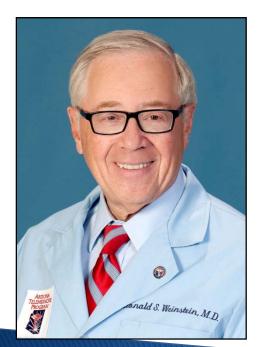
July 19, 2012

(8:00AM HST, 10:00AM AKDT, 11:00AM PDT, 12:00PM MDT, 1:00PM CDT, 2:00PM EDT)





Telemedicine Applications



Ronald S. Weinstein, M.D.
Director, Arizona Telemedicine Program
Professor, Dept. of Pathology, College of Medicine
University of Arizona

Anna R. Graham, M..D. Scholar in Residence Arizona Telemedicine Program

Anna R. Graham. MI

The Provision of Medical Care

- Clinical care
- Evaluation/research
- Continuing education



Who are the Referring Clinicians?

- General
 - MD/DO/PhD/DDS
 - NP/PA



The Clinic Structure

- Hub Site
 - Medical Director
 - Site Coordinator
- Spoke Site
 - Medical Director
 - Site Coordinator
- Referring Clinicians



Scheduling: Real-Time and Store-Forward

- Teleclinic Appointment
- Ad Hoc Appointment



The Teleclinics

- Psychiatry
- Rheumatology
- Pain Clinic
- Cardiology
- Dermatology



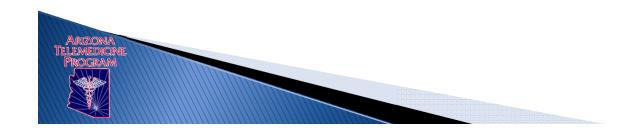
Telemedicine Protocols

- Pulmonary
- Cardiology
- Neurology
- Musculoskeletal

- Psychiatry
- Dermatology
- General Medicine



How does a medical consultation become a telemedicine consultation?



Goals of Teleconsultation

- Increase access to specialty care
 - rheumatology
- Confirm diagnosis
 - polymyositis
- Assist in triage
 - cervical spine injury



What makes a good teleconsultation?

- Complete data
 - Avoid the incomplete consult!
- Diagnostic images
- Steps in review:
 - Site Coordinator
 - Medical Director
 - Specialist



Telemedicine Consultation

- Visual specialties
 - ie range of motion
- Technology provides images/sounds
 - echocardiography
- "The talk is the treatment"
 - telepsychiatry





Visual specialties

- Rheumatology
- Orthopedics
- Dermatology
- Neurology



The Joint Exam













Teledermatology











Technology provides images/sounds

- Cardiology
- Pulmonary
- Otorhinolaryngology
- Retinal screening
- Colposcopy
- Radiology
- Pathology

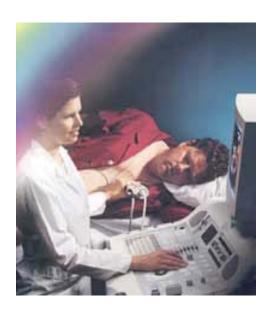


Electronic Stethoscope











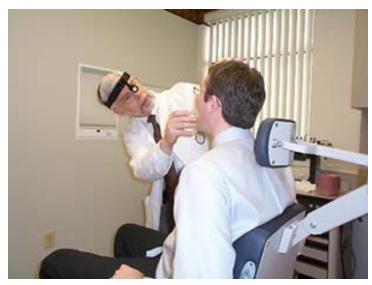
Tele-echocardiography







Otorhinolaryngology







Teleophthalmology

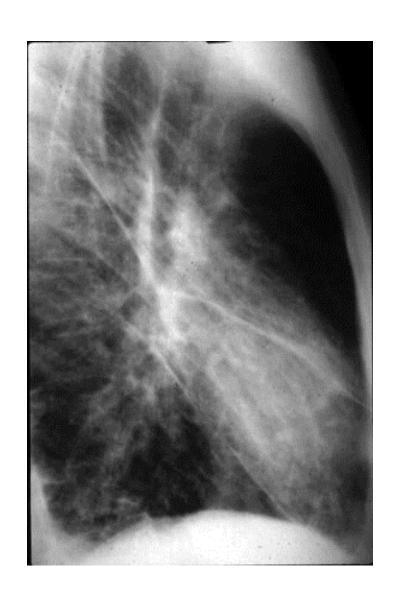






Teleradiology









Fetal Ultrasound





Fetal Ultrasound





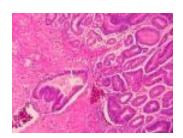


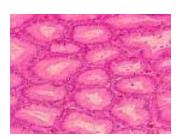
Telemammography





Telepathology









"The talk is the treatment"

- Psychiatry/psychology
- Genetic Counseling
- Pain Management
- Nutrition
- Support group
- Hospice care







Telepsychiatry





Cancer Genetic Counseling





Support Groups











Health Care System

- Teleconsultation system in:
 - Hospital
 - Community health center
 - Office practice
 - The Home



Home Health Care Applications

- Wound care
- Post-operative care
- Pre-organ transplantation
- Physical therapy







Tele-Home Health





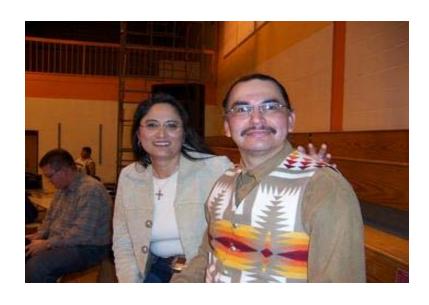


Wound Management



Cross-Cultural Issues

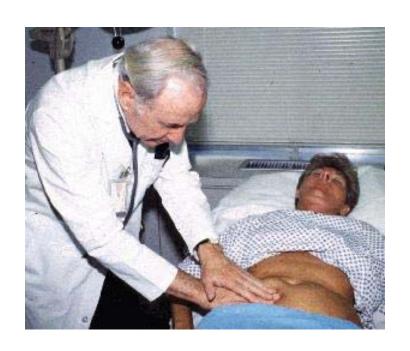








Limitations



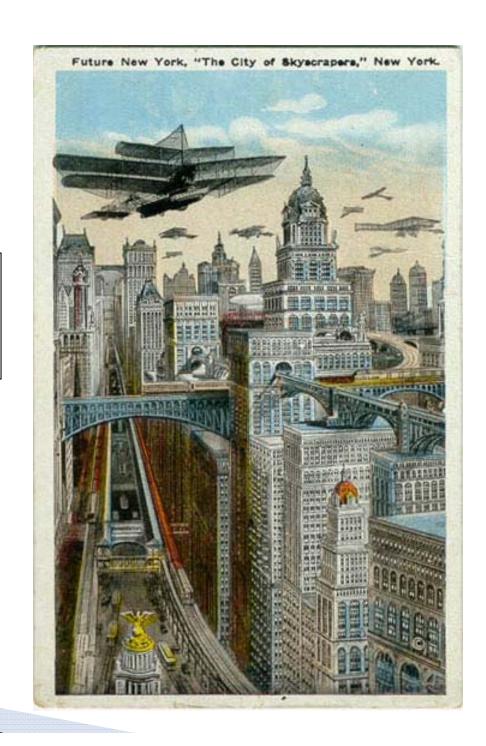


Virtual Reality Palpation





The Future is Now!





Newest Health Care Tool





Medical Self-monitoring



Diabetes Monitoring

- 8 Megapixel Camera (60% more pixels than previous iPhone)
- New advanced optic lens to enhance shape and light
- Face detection
- 1080p Video Recording
- iOS5
- SIRI voice activation
- Dual core chip more power, less battery usage











Thank you

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rweinstein@telemedicine.arizona.edu agraham@telemedicine.arizona.edu





The National Telehealth Resource Center Webinar Series

3rd Thursday of every month

Next Webinar:

Telehealth Topic: Using telemedicine to deliver psychiatric care

Presenter: Northeast Telehealth Resource Center

Date: Thursday, August 16th, 2012

Times: 8:00AM HST, 10:00AM AKDT, 11:00AM PDT, 12:00PM MDT, 1:00PM CDT, 2:00PM EDT



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