



THE UNIVERSITY
OF ARIZONA
Mel and Enid Zuckerman
College of Public Health

RURAL HEALTH OFFICE



Improving Access to Quality Medical Care

A Webinar Series Presented by

The Arizona Telemedicine Program

The Southwest Telehealth Resource Center

&

The University of Arizona Rural Health Office

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Welcome

- AZ, UT, CO, NM & NV FLEX Programs
- Four Corners Telehealth Consortium Members
- Fellow HRSA Telehealth Resource Centers
- All other participants from the US & abroad



Welcome

- The University of Arizona Rural Health Office, The Arizona Telemedicine Program & the Southwest Telehealth Resource Center welcome you to a series of free webinars on the implementation & practice of telemedicine.
- The practice & delivery of healthcare is changing, with an emphasis on *improving quality, safety, efficiency, & access to care*.

Telemedicine can help you achieve these goals!

Webinar Tips & Notes

- Mute your phone &/or computer microphone
- Time is reserved at the end for Q&A
- Please fill out post-webinar survey
- Webinar is being recorded
- Will be posted on the ATP/SWTRC & RHO websites

<http://www.telemedicine.arizona.edu/>

<http://www.southwesttrc.org/>

<http://www.rho.arizona.edu/>



Telemedicine Applications

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Medical Director

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Telemedicine

The Institute of Medicine defines telemedicine as “the use of electronic information and communications technologies to provide and support health care when distance separates the participants.”

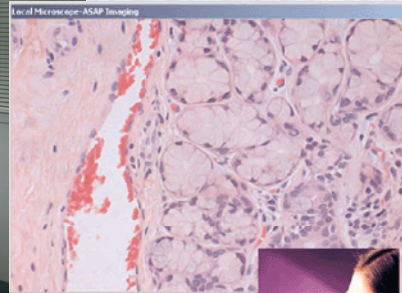


Medical Consultation

Teleconsultation



The Marvel of Telemedicine
Ann Maria
M.D., M.P.
Directs Arizona
Telemedicine
Espiritu en
in the 21st
450 Years
Nacional Autónoma de México
English Version ... page 46
Spanish Version ... page 54.



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
 - i.e. range of motion
- Technology provides images/sounds
 - echocardiography
- “The talk is the treatment”
 - telepsychiatry



Visual Specialties

- Rheumatology
- Orthopedics
- Dermatology
- Neurology

The Joint Exam



Neurology



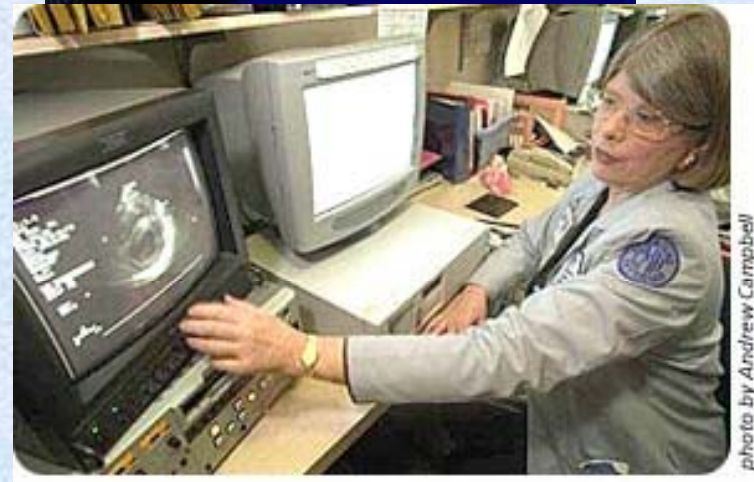
Technology provides images/sounds

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

Electronic Stethoscope



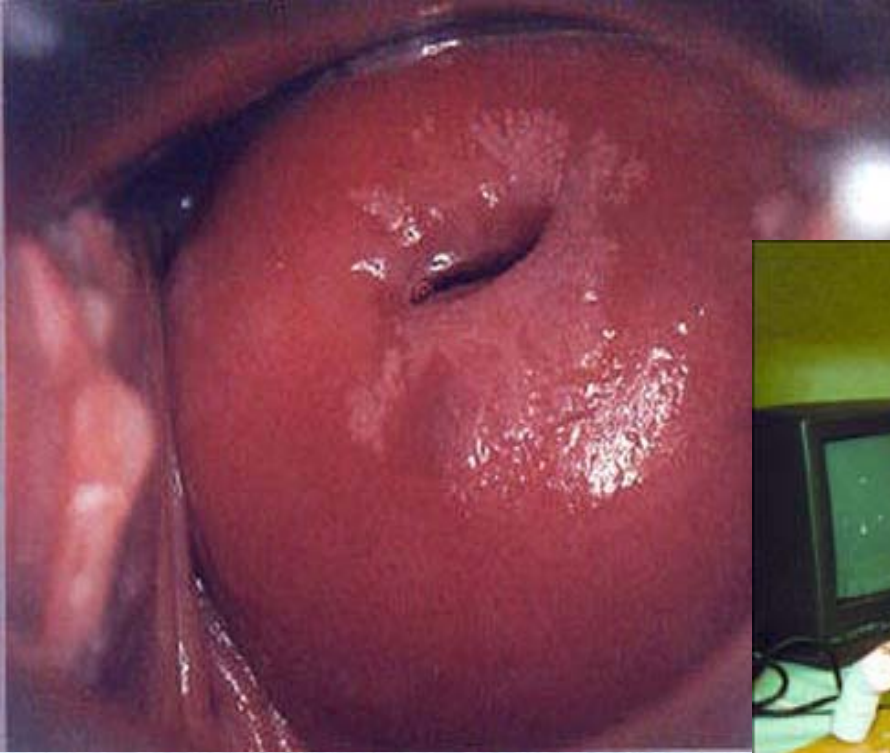
Tele-echocardiography



Otorhinolaryngology



Telecolposcopy



Fetal Ultrasound



Videoconferencing and Store-Forward Applications



- Infectious disease
- Geriatrics
- Pain Management
- Pharmaceutical review

“The talk is the treatment”

- Psychiatry/psychology
- Genetic Counseling
- Nutrition
- Physical activity
- Support group
- Hospice care



Support Group



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



Newest Health Care Tool



Diabetes Monitoring



Medical Self-monitoring



Cross-Cultural Issues

- 25% Latino
- 40 Indian Nations



Limitations



Virtual Reality Palpation



"TO BE HONEST, I CAN'T SEE A
THING ABOUT YOUR FUTURE, SIR. IT'S
STILL PRETTY MUCH UP TO YOU. SCARY,
ISN'T IT?"



Upcoming Webinars

- **September 21**
 - **Network & Communication Basics**
- **December 14**
 - **Business of Telemedicine & Sustainability**

Questions?

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SWTRC & AZ Telemedicine Program**

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