Identify equipment and technology to sustain telehealth

Four types of information transfer common in telehealth

Audio, text, still images, video

- Equipment to capture the information at each site
- Communication technology to transmit this information between the sites
- Equipment to display the information at the relevant sites

List the Challenges of Telehealth

- Infrastructure
- Liability (Malpractice Insurance coverage , Licensing)
- Privacy (patient consent)
- End-user lack of knowledge about the benefits, services available in other settings
- Compromised relationship between health professional and patient
- Lack of time to adopt tele health

Emerging Telehealth applications

- Telestroke
- Teledermatology
- Teleconsults
- Telewound care
- TeleICU
- Teleophthalmology
- Telecardiology
- Pre and post-surgical care

- Telepsychiatry
- Telepathology
- Teleradiology
- TeleEndocrine
- TeleTrauma
- TelePediatrics
- eVisits

Emerging Telemedicine applications

- Telestroke
  - ER Consultant do a CT Scan;
  - Trained neurologist performs a live, real-time audiovisual consultation
  - make diagnosis and appropriate treatment recommendations;
  - Send documentation electronically

http://www.mayoclinic.org/tests-procedures/stroke-telemedicine/basics/definition/prc-20021080

Emerging Telemedicine applications

- Emergency Care and Trauma
  - Timely trauma evaluations for patients in remote or rural areas.
  - Assistance with triage and transfer decisions.
  - Learning opportunities for community providers.

Emerging Telemedicine applications

- Tele Wound Care
  - Remote consults for patients with poorly healing wounds.
  - Real-time transmission and review of images.
  - Reduced patient transfer rates.

Telemedicine in Saudi Arabia

Successes and Challenges in the Implementation and Application of Telemedicine in the Eastern Province of Saudi Arabia

by Azza Ali El-Mahalli, MD, PhD; Sahar Hafez El-khafif, PhD; and Mona Faisal Al-Qahtani, PhD

http://perspectives.ahima.org/successes-and-challenges-in-the-implementation-and-application-of-telemedicine-in-the-eastern-province-of-saudi-arabia/#.VHw2EJOUd9k

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