

Second International Symposium Future Directions for Telemedicine

The Purpose

The development of telemedicine/ telehealth/ ehealth (telemedicine for short) has reached a point where there is need to provide a synthesis of the evidence pertaining to clinical outcomes and costs to inform telemedicine policy and deployment, both nationally and internationally. This synthesis must assess the scientific adequacy of the available evidence and also suggest appropriate methodologies to guide future research. Further, there is a need to consider significant technological innovations likely to affect the reliability, efficiency, productivity, ubiquity, and appeal of telemedicine. Recognizing this, the Telemedicine Resource Center of the University of Michigan Health System will hold a symposium on Future Directions for Telemedicine. The symposium will be held in Ann Arbor, Michigan on May 20-22, 2004.

The Topics

In order to meet the purpose of the Symposium, five topical areas have been identified for expert analysis, presentation and discussion. These include:

- * Synthesis of the evidence from telemedicine evaluation studies, both US and international, with a special focus on the scientific validity of the evidence and suggestions for future evaluation of telemedicine
- * Review of current economic studies and methods for measuring the cost of telemedicine with a focus on measurement tools and analytic techniques for assessing costs and benefits as well as recommendations for pragmatic methodologies and techniques for the economic analysis of telemedicine applications in various health care settings
- * Synthesis of telemedicine research findings pertaining to clinical outcomes of telemedicine with special emphasis on research design and outcome measurement in a variety of health care settings
- * Description of emerging technologies, including wireless and broad band systems, for telemedicine and clinical decision support with an emphasis on the practicality, advantages and disadvantages, and potential cost-effectiveness of their application
- * Description of the architecture for interoperability to support telemedicine services, the barriers for their implementation and recommendations for addressing these barriers in the United States and on a global basis

The Framework

The symposium framework includes presentation of papers on each topic in plenary sessions. Each presentation will be followed by a panel discussion and, subsequently by comments from the audience. In order to facilitate discussion, all registrants will receive copies of each paper in advance.

Participants

Participants in this symposium include academicians in medicine, public health, engineering, and information science; biomedical and health services researchers concerned with issues of biotechnology, access to care, cost and quality; health care providers in medicine and public health; and, health policymakers and program developers at the state, national and international levels. CME Credits will be provided to symposium participants (*).

(*) This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the University of Michigan Medical School, Telemedicine Resource Center and the sponsors listed below. The University of Michigan Medical School is accredited by the ACCME to provide continuing medical education for physicians and takes responsibility for the content, quality, and scientific integrity of this CME activity.

The University of Michigan Medical School designates this educational activity for a maximum of 8.5 category 1 credits toward the AMA Physician's Recognition Award. Each physician should claim only those credits that he/she actually spent in educational activity.

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Tentative Program

Thursday, May 20, 2004

4:00 - 7:00 p.m.
Michigan League, 2th Floor Foyer
Registration.
Refreshments

Friday, May 21, 2004

8:00 - 9:00 a.m.
2th Floor Foyer
Continental Breakfast

9:00 - 9:15 a.m.
Ballroom
Welcome
Robert Kelch, M.D. Executive Vice President for Medical Affairs
Mary Sue Coleman, Ph.D. President, University of Michigan

9:15 - 10:35 a.m.
Session I:
Telemedicine Evaluation: Methodology and Findings
Chair: Mamoru Watanabe M.D, Ph.D
Presenters: Rashid Bashshur, Ph.D and Gary Shannon, Ph.D.
Discussants: Penny Jennett, Ph.D., Harry McConnell, M.D., Ronald Weinstein, M.D., Pamela Whitten, Ph.D., Peter Yellowlees, M.D.

10:35-10:50 a.m.
Health Break

10:50 a.m. - 12:20 p.m.
Session II:
Telemedicine Effects on Clinical Outcomes
Chairs: Jay Sanders, M.D., Louis Lareng, M.D
Presenters: Joseph Kvedar, M.D. and Jim Grigsby Ph.D.
Discussants: Michael Kienzle, M.D., Ron Merrell, M.D., Michele Nypaver, M.D., Eric Tangalos, M.D.

12:20 - 1:20 p.m.
Lunch
2nd Floor Foyer

1:20 - 2:50 p.m.

Session III:

Economic Analysis and Cost Measurement

Chair: Salah Mandil, Ph.D.

Presenters: Andrew Cameron, Ph.D. and Tim Reardon Ph.D.

Discussants: David Butz, Ph.D., Michael Hillman, M.D., Mark Janczewski, Col,
Douglas Perednia, M.D, Dena Puskin Sc.D, Stuart Speedie, Ph.D.

2:50 - 3:10 p.m.

Health Break

3:10 - 4:40 p.m.

Session IV:

Emerging Technologies for Telemedicine and Clinical Decision Support

Chair: Pablo Pulido, M.D.

Presenters: Frank Ferrante, MSEE

Discussants: Michael Ackerman, Ph.D., Jonathan Linkous, Martha Pollack, Ph.D.
Jonathan Silverstein, M.D., MS, FACS, Mark VanderWerf, Adriana Velazquez

6:00 - 8:30 p.m.

Reception and Dinner

Presenter: Fawwaz Ulaby, Ph.D., Vice President for Research, University of Michigan

Keynote Speaker: The Honorable Julio Frenk, M.D., Ph.D., Minister of Health, Mexico

Saturday, May 22, 2004

8:00 - 9:00 a.m.

Continental Breakfast

2nd Floor Foyer

9:00 - 10:30 a.m.

Session V:

Interoperable Architectures to Support Telemedicine Nationally and Internationally

Chair: David Forslund Ph.D.

Presenter: Rick Craft

Discussants: Charles Doarn, MBA, Pronab Ganguly, Haim Kilov, Mary Kratz,
Jerry Ledlow, Ph.D., Jeff Sutherland, Ph.D.

10:30 - 11:00 a.m.

Closing Remarks