

### Facility Features

- Interactive Podium with menu-driven touch-screen panel to control the different equipment which includes: a Dell PC Pentium III GX 150 with 256 RAM, 3 ½ “ floppy drive, 250 MB zip drive, and CD Rom drive; Laptop computer connectivity: a podium microphone and a wireless Lavalier microphone, and a VHS VCR player. Next to the podium is a stand with a document camera for overheads
- 2 side-by-side screens for rear projection are located in the front of the room to allow audience participants to view presentations
- Acoustic walls
- Lighting that can be pre-set to accommodate needs of presentations
- White board

### Transmission Methods

1. ISDN lines (H320)
2. IP Address (H323)

### Information Needed Prior to Teleconference

1. Hardware/Software used at the other site
2. Contact person and their phone number or e-mail
3. ISDN numbers/IP address

### Types of Video Teleconferencing:

1. Point-to-Point: One site to another site
2. Multiple Sites: Multiple sites wishing to participate in a teleconferencing will have to use a bridge to connect sites

### Costs

Costs are calculated on a case by case basis based on the number of credit hours, duration, content development, faculty time, and transmission method.

### For more information, please contact:

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## *CME Courses via Telemedicine*

Telemedicine today is becoming more widespread in the medical profession. It allows distant medical facilities ‘live’ transmissions via two-way audio and video for instant, interactive, and effective communication for scheduled medical consultations, short-term courses, continuing medical education (CME), screening programs, remote triage, and applications for rapid assessment of acute medical problems. We can also offer educational lectures, seminars, and grand rounds to the partner via telemedicine.

Telemedicine is the leading information source for medical practitioners, physicians, hospital administrators, healthcare information specialists, consultants, policy makers, and others interested in getting the latest techniques and procedures in a dynamic world. GWUMC can provide telemedicine for remote collaboration solutions in education and training of healthcare professionals according to the needs of medical institutions around the world. It also saves travel time and expense by linking institutions for meetings and conferences. Internet-based communications will also be used to provide information resources from GWUMC’s health sciences library.

GWUMC has the capability to develop short-term medical education programs and transmit them to medical institutions around the world. Topics vary in content and duration and can be customized according to the needs of the medical institution. During the past three years, GWUMC has developed and delivered over 15 continuing medical education courses to a large number of sites in the Middle East Gulf region, providing American Medical Associate approved credit to thousands of healthcare professionals. A sample of courses follows:

**Diabetes Management:** Review of the epidemiology and pathophysiology of diabetes and its major complications.

**Postgraduate Diabetes:** Review current data on the use of oral hypoglycemic agents including effects on cardiovascular disease risk, the use of fixed combination agents and the mechanisms underlying fluid retention.

**Intensive Review of Diabetes and Hypertension:** Review the epidemiology and pathophysiology of diabetes and hypertension and their contributions to cardiovascular disease risk.

**Hypertension:** Overview of hypertension, pathophysiology and early detection, types of hypertension, complications and management of complications.

**Infant and Toddler Clinical Nutrition:** Present the current literature and decision-making process for common nutrition-based problems in infants and toddlers.

**Peripheral Vascular Disease (PAD):** Review the basics of PAD, predisposing factors, and pathophysiology, etc. Discuss all medical, interventional and surgical managements of PAD.

**A Comprehensive Course on Psychiatry:** Review of different mental and psychiatric disorders: depression, anxiety disorders, traumatic stress, bipolar disorder, and psychosis and schizophrenia.

**Bipolar Disorders:** How to understand the problem of misdiagnosis, be familiar with strategies used to increase recognition of bipolar disorder, and appreciate the risks associated with antidepressant monotherapy in patients with bipolar disorder.

**Chronic Airways Disease:** Understand the basic mechanisms of airway inflammation, injury and repair and how these differ between asthma and COPD.

**Neurology Pain Management:** Introduction and treatment of peripheral neuropathy and other peripheral nerve disorders.

**Pain Management orthopedic, sports injury, and osteoarthritis:** Address pain management issue in sport injury, osteoarthritis, joint pain, low back pain, orthopedic surgery pre and post operative.

**Infectious Diseases:** Discuss the critical issues that exist in the diagnosis and treatment of respiratory infections. What are the available diagnostic tools, their sensitivity and accuracy and what are the rational approaches to therapy in each of these situations.

**Stroke Management:** Screening and early detection of cerebral vascular accident (CVA). Identify potential candidates and pathophysiology of stroke.

**Acid-Peptic Disorders:** Review of gastroenterology disorders, discuss hyperacidity, gastric ulcer, and GERD, pathophysiology, etiology, diagnosis, management and complications.

**Adult Emergency Medicine:** Teach emergency physicians how to receive and deal with adult emergency cases, specially the patients with possible infections. What to do, what are the common cases and how to reach a diagnosis and manage them.