

CME Websites

Among the extensive features of the Internet are two that would be of major interest to the health professional. Firstly, there are web addresses of institutions or organizations that function as CME providers and schedules of proposed CME events. Secondly, some Internet sites provide access to lessons on selected topics, so that the interaction becomes a distance learning experience. The latter often enable the practitioners to receive credit approved by different CME authorities and institutions. Listed below is a selection of sites that the reader would find useful for CME.

<http://www.aapmr.org/cme.htm>

The AAPM&R (American Academy of Physical Medicine and Rehabilitation) EMG and Musculoskeletal Case-of-the-Month Series is a programmed learning series of case studies in electrodiagnosis and musculoskeletal disorders. Instruction is by interactive text.

<http://www.a3r.org/CMESeries.ASP>

This is a set of 50 pdf articles, organized into 5 groups of 10 articles each. Some titles are What Is Anti-Aging?, Anti-Aging Hormones, Growth Hormone Factors, Anti-Aging Supplements, Anti-Aging Exercises, Cardiovascular Training and Stress Reduction.

<http://www.allergyeducation.org>

This site offers 5 courses based on The Allergy Report of the Allergic Disorders Task Force: Rhinitis, Rhinosinusitis, Conjunctivitis and Recurrent Otitis Media; Foods, Drugs, Insect Stings and Latex; Skin Disorder; Asthma; and General Diagnosis and Management. The entire report may be downloaded in pdf format (3 volumes, 472 pages).

<http://www.amdacmedirect.com/amdaprogams/>

This site is aimed at physicians who are medical directors in long-term care facilities.

<http://www.conferencecapture.com/cc/aan/>

The site gives the four plenary sessions of the American Academy of Neurology 5th Annual Meeting (May 2001) and the three Therapy Sessions: Stroke, Multiple Sclerosis and Parkinson's Disease.

<http://www.aao.org/OEC/5.cfm>

A total approach to the educational needs of the ophthalmologist.

<http://www.eqmr.com/index.html>

Two presentations: Credentialing Part I: A Return to Basics and Beyond, discusses "the core process for determining a candidate's qualifications for the initial and subsequent granting of membership and privileges." Credentialing Issues Part II: The use of core privileging including collection and verification of necessary data, reviews "the key approaches for granting core privileges, economic credentialing, and the introduction of new technology."

<http://cpsc.acponline.org/>

Two new interactive cases each month, aimed at internists. The user has to assess the patient's condition, form differential diagnoses, make treatment decisions, order tests and follow patients through the resolution of their

problems. As each step in the process of solving patient problems is completed, the program compares the clinical decisions to those of expert authors.

http://pubs.ama-assn.org/archive_home.html

AMA Archives are available online to AMA members or to JAMA subscribers. To earn credit, 3 articles from the most recent issue need to be read and some general questions answered.

<http://www.ama-assn.org/ama/pub/category/7537.html>

The site has been reorganized and now contains courses on bioterrorism (5 units), Ethics-Genetic Screening (3 units), Diabetes (1 unit); and Osteoporosis.

<http://www.amwa-doc.org/dvcourse.htm>

This course is based on the manuals of the Family Violence Prevention Fund. It is mostly text with a few graphics, but there are also optional audio or video clips of victims of domestic violence. A brief quiz follows each section.

<http://www.anesthesiologyonline.com/>

Two kinds of CME, "modules" and "articles." Each module consists of abstracts of 10 articles. There are 3 new modules each month. (36 modules at present). "Articles" provide an extensive review of one anesthesiology topic.

<http://www.arcmesa.com/index.jhtml>

This site features courses in a wide variety of topics offering CME credits. The content comes in html format (to read on line) or pdf format (for downloading).

<http://www.psych.org/cme/apacme/>

Text-based treatment guidelines for psychiatric conditions.

<http://67.96.34.145/asrm2000/>

This site offers 11 symposia and 3 lectures from the ASRM Meeting at San Diego in October 2000.

<http://www.afip.org>

This is the first section (bladder pathology) of a planned course primarily for urologists preparing for board examinations and for practicing urologists and pathologists.

<http://www.afip.org/Departments/edu/cme.htm>

This course is presented by the Division of Gastrointestinal Pathology, AFIP.

<http://www.arhp.org/publications.htm>

Presentations in reproductive medicine.

<http://www.cine-med.com>

This presentation is devoted to the "Expert Panel Report 2: Guidelines for the Diagnosis and Management of Asthma," developed by the National Asthma Education and Prevention Program (NAEPP).

<http://www.audio-digest.org>

This site presents the familiar Audio-Digest format: Objectives, Pre-Test, Written Summary (not a complete transcript) and the Audio Presentation.

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

Baylor College of Medicine's Online CME Courses has been reorganized as 31 courses in seven subject areas. Most courses consist of multiple lectures.

<http://www.biologicalterrorismmeded.com/>

This course deals with the concepts of biological and chemical terrorism and potential agents of use; the signs and symptoms relative to both biological and chemical exposure; the individual characteristics relative to the pathophysiology of disease; and appropriate referral and/or treatment and decontamination strategies.

<http://www.bumc.bu.edu>

Courses on Update in Rabies Prevention; and Surgical Treatment for Ulcerative Colitis; Cutaneous Indications for HIV Testing, Dangerous Drug Eruptions, Dermatoses in Pigmented Skin and Herpesvirus Infections; Reach out and Read. Target audience: Specialists in Family Practice, Internal Medicine, Gynecology, and Pediatrics.

<http://www.breastcancer.net>

A single slide-audio lecture on the management of advanced breast cancer. Deals with current hormonal treatment, efficacy of aromatase inhibitors and tamoxifen, and clinical trial data on the use of letrozole.

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

Intended for physicians who advise women about breastfeeding. Deals with advantages to the baby and mother, breastfeeding statistics and barriers to breastfeeding.

<http://www.cancer.org>

CME credit offered on articles including those on Hematologic Malignancies; Comorbidity Considerations in Geriatric Oncology and Radon; Multiple Myeloma; Cervical Cancer: Prevention, Diagnosis and Therapeutics; External Beam Radiation Therapy for Prostate Cancer; and Lymphedema: Current Issues in Research and Management.

<http://www.moffitt.usf.edu/pubs/>

This site contains a full-text online version of a peer-reviewed cancer journal. Each issue focuses on one type of cancer and contains four or more major articles.

<http://cancernetwork.com/>

A series of courses based on brief articles on breast, ovarian, head and neck, urothelial, prostate, testicular, gastric, Hodgkin's, cervical, endometrial, esophageal, pancreatic and thyroid cancers.

<http://www.cyberounds.com/cmeindex/>

A set of brief case presentations on hypertension and arrhythmias, followed by multiple choice questions. Target audience: specialists in Family Practice, Internal Medicine, Cardiology.

<http://www.cardiovillage.com/>

Interactive program offering CME credit for reviewing a case, tutorial, or taking a post test. Primarily intended for cardiologists, but also would interest primary care physicians.

<http://www.cemedicus.com/>

CEMedicus offers access and free credit for about 300 online CME courses.

<http://www.cene.com/>

CME monographs offers a set of text-and-graphics articles in psychiatry, neurology and long-term care. CME websites has slide-video lectures in psychiatry, neurology and long-term care.

<http://chall.lecturehall.com/>

Review courses in Family Medicine, Emergency Medicine, Internal Medicine, and Pediatrics. Also a selection of atlas review courses in Dermatology, Pediatrics and Cardiology.

<http://www.chronocme.com/>

Offers a course on Chronotherapy in the Treatment of Hypertension.

http://www.clevelandclinicmeded.com

Offers board review courses in seven CME areas.

<http://www.vh.org>

A course for physicians who wish to qualify as directors of moderately complex laboratories. Some modules are Quality Assurance; Quality Control; Proficiency Testing and the Inspection Process.

<http://www.cmecorner.com>

Courses in Management of Depression and Anxiety; Hypertension; Control of GERD; Hormone Replacement Therapy; Dyslipidemic patient; Postmenopausal Health; Prevention of Osteoporosis; and Management of Respiratory Diseases.

<http://cme.cybersessions.org/>

This series of CME-accredited programs explores the latest developments in ophthalmology and cardiology.

<http://www.cmecenter.com>

Courses in diabetes, mental health, and women's health.

<http://www.cme-reviews.com/>

This site offers CME on psychiatric and neurological disorders.

<http://www.cme-webcredits.org/>

Two types of courses for specialists in Family Practice, Internal Medicine, and Endocrinology and those of general interest. Topics include Diabetes and various aspects of its management.

<http://www.consultantlive.com/>

Each issue presents a photograph and clinical information, and the user selects a diagnosis and follows a presentation based on the correct diagnosis.

<http://cme-usa.org/>

The site offers courses in ENT and Family Practice, and provides videos on ENT examination.

<http://www.cmeweb.com/>

This site is organized as a series of courses, each consisting of a group of articles on one theme followed by questions on each article.

<http://www.cybermedicalcollege.com>

Developed by The Royal College of Physicians and Surgeons, Glasgow, The Cyber Medical College provides 'portals' on learning, organizations, information, resources and patients. Links practitioners to techniques, clinical guidelines and updates, references materials etc. for progress in postgraduate training and CPD.

<http://www.cyberounds.com/>

Interactive grand rounds moderated by distinguished academics, exclusively for physicians, medical students and other selected health professionals

<http://www.docguide.com>

This site offers links to about 800 "webcasts" which are located at the sponsoring sites. Target audiences: most specialties.

<http://www.ecornell.com/>

This site features courses from Cornell's Hospital for Special Surgery.

<http://www.emedhome.com/cme-welcome.cfm>

This site is aimed at emergency physicians. Courses are offered on Aortic Emergencies; Antibiotic Use; HIV Infection and AIDS; Serum & Urine Drug Testing; Meningitis; Myocardial Contusion; Pulmonary Embolism; and Transient Ischemic Attack.

<http://cme.emedicine.com/>

Articles written like chapters in a textbook, in outline style. Questions follow, and answering them allows the reader to get CME credit.

<http://www.endo-society.org/education/index.cfm>

One credit course offered by the Endocrine Society, on Implications of Lipid Control in Type 2 Diabetes & Emergency Therapies.

<http://www.eqmr.com>

Of general interest. Credits awarded by American College of Medical Quality.

<http://www.familypractice.com/>

The site offers two types of instruction: "In-training Exams" and sets of lectures. Target audience: Family Physicians.

<http://www.fma.learnsomething.com/>

Courses on HIV/AIDS; Domestic Violence; Biological and Chemical Terrorism; Risk Management; Improving Your Medical Records; and Professional Boundaries.

<http://www.futureofcolonoscopy.com/>

This course discusses instruments, techniques, bowel preparation and indications for colonoscopy.

<http://www.gama.cyberounds.com/>

Offers an educational game designed to help geriatric care givers assess and sharpen their diagnostic and clinical management skills.

<http://www.interventionalgenetics.com/>

Slide-audio course on the Genetics Professional in the Screening, Diagnosis, and Management of Rare Diseases.

<http://www.gwumc.edu/cehp/The>

George Washington University Medical Center offers 3 online CME sites all linked from the same home page.

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

Interactive case studies presented as 6 modules, each dealing with 2 patients having lipid disorders.

<http://www.geri.com/geriatrics/>

Text-only presentations targeting Family Physicians, Geriatricians and Internal Medicine physicians.

<http://www1.healthcme.com/>

Courses which largely illustrate mental health or geriatric problems seen in primary care.

<http://hivinsite.ucsf.edu>

Courses for AID specialists, on Liver Dysfunction; HIV/Hepatitis coinfection; Antiretroviral Therapy; HIV Therapy in Triple-Diagnosed Patients.

<http://www.horizonseries.com>

Lectures on various aspects of depression, for Psychiatrists, Family Physicians and Internal Medicine physicians.

<https://www.iame.com/learning/online.html>

Courses in medical imaging for Cardiologists, Gynecologists, Radiologists and Surgeons.

<http://igr.medsite.com/>

Interactive grand rounds on Arrhythmias; Dyslipidemias; Hypertension; Osteoporosis; Pediatric Infectious Disease; Heart and Lung Transplantation; Glaucoma.

<http://www.med.nyu.edu>

Questions and answers on psychiatry topics.

www.tafp.org

Presentations for the Family Physician, on End of Life Care; Pediatric Asthma; Managing HIV; Migraine; Allergic Rhinitis; Depression and Sexual Side Effects; Erectile Dysfunction; and Pre-Term Labor.

<http://jeffline.tju.edu/jeffcme/>

A variety of offerings of interest to the Family Physician, Cardiologist, Neurologist and the Urologist.

<http://www.asimcme.com>

Clinical, peer-reviewed, ACCME-accredited information relevant to practicing clinicians.

<http://www.journalbytes.com/>

Has editions for nine medical specialties, accessed through the same URL.

<http://www.turner-white.com>

A peer-reviewed journal helping physicians and managed care decision makers to improve outcomes of care.

<http://www.psychiatrist.com>

The online Journal of Clinical Psychiatry provides various courses offering CME credits. Joining the NetSociety gives access to most CME activities.

<http://www.labcorp.com>

This site gives pdf articles on laboratory issues, targeting Pathologists.

<http://www.afip.org>

The site contains articles on the legal aspects of medical practice, with credits offered by the Armed Forces Institute of Pathology.

<http://www.massmed.org>

Courses on Managed Care; Alternative Care Settings; Ethics; Evidence-Based Medicine. Target audience: General interest.

<http://www.medcases.com/>

Interactive cases in women's health and in pediatrics. Target audience: Obstetricians, Pediatricians, and Surgeons.

<http://www.mededinteractive.com>

A set of courses for physicians with special interest in ultrasound. Include Renal Duplex Ultrasonography: Techniques and Pitfalls; Sonographic Approach to Breast Evaluation; Thyroid Ultrasound, and Emergency Medicine Pelvic Ultrasonography.

<http://www.medical-programs.com/>

Modules consisting of a set of lectures on cancer treatment.

<http://medicalsimitations.com>

Case-based simulations on wound care management involving the use of ApliGraf.

<http://medaled.com/>

<http://www.medinfosource.com/>

Related sites containing courses in psychiatry.

<https://www.medrisk.com>

Programs on reducing malpractice risk in various practice settings.

<http://www.medscape.com>

About 200 courses in most specialties, offering more than 300 CME hours.

<http://www.fda.gov/medwatch>

The FDA Medical Products Reporting Program. Of general interest.

<http://www.meetingcast.com/>

Set of Shockwave and RealAudio lectures on a variety of medical subjects.

<http://www2.cdc.gov/ce>

This site contains the pdf versions of 14 current MMWR (Morbidity and Mortality Weekly Reports) articles.

<http://www.moffittcancernetwork.org>

Provides online education for healthcare professionals and patients on advances in cancer care and research.

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

Lecture sets on a variety of topics including a set of 34 one-hour lectures on various aspects of HIV/AIDS.

<http://www.mypatient.com/>

This site offers 110 highly interactive cases, aimed at primary care physicians.

<http://www.natalu.com/>

Aimed at neonatologists. Topics presented as evidence-based presentations, picture or X-ray or as puzzles.

<http://www.netce.com/>

Provides courses of general interest.

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

Each issue of this twice-monthly online journal contains a set of articles offering CME. Target audience: Neurologists.

<http://cme.alphamedpress.org/>

There are courses on various hematology and oncology topics.

<http://www.orthobluejournal.com>

Online issue of *Orthopedics*. Contains one article which gives credit.

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

A slide-audio course offering lectures on the diagnosis and treatment of osteoporosis.

<http://www.pain.com/>

Abstracted journal articles on pain and its management. The articles are organized into modules with 10 in each.

<http://path.upmc.edu>

A set of cases, including a brief clinical history, pictures of gross pathology and description of the findings and diagnosis. A post-instruction test is included.

<http://www.primarycarenet.org/pcs>

This course discusses the diagnosis and treatment of migraine.

<http://physician.pdr.net>

CME associated with three online journals, targeting Obstetricians & Gynecologists, Family Practitioners, and Pediatricians.

<http://www.pedsref.org>

Slide-audio lectures on pediatric topics, including Emergency Preparation; Temper and Sleep Problems; Management of Febrile Pediatric patients; Pediatric Infections; and Asthma and Bronchiolitis.

<http://www.physsportsmed.com>

Text-and-graphics articles in sports medicine and quiz questions related to those articles.

<http://www.postgradmed.com>

A set of articles on many medical topics.

<http://www.powerpak.com/CE>

Programs, on topics such as Degenerative Arthritis of the Hand, Optimizing Acid Suppressive Therapy in Acutely Ill Patients, Advice and Treatment for Androgenic Alopecia etc.

<http://www.primarycarenet.org>

Courses targeting Family Practitioners, on headaches and migraine.

<http://www.projectsinknowledge.com/>

Set of lectures meant for Family Practitioners, Gastroenterologists, Neurologists and Psychiatrists.

<http://www.psychlink.pwpl.com>

Primarily for Psychiatrists. Expert discussions and archives for downloading later as pdf files or for online viewing.

<http://www.chestnet.org>

Topics of interest to the pulmonary and critical care specialist.

<http://www.radinfonet.com/>

Target audience: Radiologists. Offers 17 courses, with CME awarded by the Ithaca Center for Postgraduate Medical Education.

<http://www.respiratorycme.org>

Offers sets of slides and online lectures on various aspects of the management of asthma.

<http://www.rmfcme.com>

Courses dealing with risk management.

<http://www.rsna.org>

Several types of CME instruction, organized into six sections, primarily oriented to Radiologists.

<http://www.seronosymposia.org>

PowerPoint or pdf presentations on multiple sclerosis, reproductive endocrinology and endocrinology. Target audience: Neurologists, Endocrinologists, Gynecologists, and Pediatricians.

<http://www.snm.org>

Courses in nuclear medicine, with credits awarded by the Society of Nuclear Medicine.

<http://www.sma.org>

Articles in four clinical specialty areas, an in-depth review of a medical condition and a CME Article of the Month in the online journal.

<http://radiologycme.stanford.edu/online/>

CME for Radiologists and technologists, covering three sub-specialties: Breast Imaging, Cardiac MR, Interventional Radiology, Multidetector Row CT, Musculoskeletal Imaging and Nuclear Medicine.

<http://www.skolar.com/>

A knowledge acquisition system that allows physicians to earn CME credits by answering questions that arise in the course of practice.

<http://www.tm.cme.edu/>

The program deals with medical benefits of the Transcendental Meditation (TM) technique and the research on its health applications, with emphasis on cardiovascular disease, its risk factors, stress, hypertension, and overall health.

<http://www.tctmd.com>

Courses for Cardiologists on Diabetes & Coronary Care Interventions, Hematology for the Cardiologist and Treatment of Patients with ACS.

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

Analysis of thyrotoxicosis, hypothyroidism, thyroid nodules and cancer, thyroiditis and all aspects of thyroid diseases and thyroid physiology.

<http://www.topicsinmedicine.pwpl.com/>

Single source solution for the development, production, promotion and distribution of continuing medical education.

<http://www.theanswerpage.com/>

TheAnswerPage.com, a family of educational websites for the medical professional. The specialty sites feature the Question of the Day, complete with a peer-reviewed, referenced answer authored by faculty from Harvard Medical School and other distinguished institutions. Readers can earn AMA PRA category 1 Continuing Medical Education credit

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

Online courses that address important topics for physicians and other health care professionals.

<http://www.cme.tulane.edu>

Lectures on Depression in Children, Migraine in Primary Care Practice, Physician Contracting, Overactive Bladder, Youth Smoking and Lung Cancer. Of general interest.

<http://main.uab.edu/uasom/>

Target audience: many specialties, but mostly oriented to Primary Care. About 50 courses offering 45 credit hours.

<http://cme.ucdavis.edu>

Teleconference calendars and materials. Archived web-streaming events. From University of California at Davis.

<http://www.medinfo.ufl.edu/>

University of Florida learning Modules. Six modules targeting areas of health care for the older person.

<http://www.chse.louisville.edu>

Slide-audio courses on HIV/AIDS, bioterrorism and clinical research. Also courses on perioperative thermoregulation (pdf format) and a course on neuromonitoring.

<http://cme.med.umich.edu>

15 courses present University of Michigan Treatment guidelines on common medical conditions, followed by a set of questions based on each guideline. Target audience: many specialties.

<http://www.cmeprograms.umn.edu/bestpractice/>

Presentations on Hypertension, Stroke, Genetics in Health Care, and Treatment of Atrial Fibrillation. Partly case-based, with questions. Extensive information with links to original research.

<http://www.muhealth.org>

Courses in the management of diabetes.

<http://cme.ouhsc.edu>

Aimed at pediatricians with special emphasis on infectious disease in children. There is also a course on medical ethics.

<http://www.usfcme.com>

This program is a "mini-MBA" for physicians. It consists of the following courses: Marketing and the Management of Service Quality; Managing People and Developing Strategies; The Business Environment of Health Care; and Data Driven Management.

<http://www3.utsouthwestern.edu>

Topics in Men's Health.

<http://www.hsc.virginia.edu/education-research>

Four CME sites: Attention Deficit Hyperactivity Disorder (AD/HD), CardioVillage, The ClinicalEdge, and Multiple Small Feelings of the Mind.

<http://uwcm.org>

Collection of online CME courses from University of Washington for Category I CME credits.

<http://cme.uwisc.org/>

A series of presentations, covering a wide range of topics and provided by The University of Wisconsin Medical School.

<http://www.ed2go.com/cme>

Non-medical topics which can be useful in improving the physician's practice or quality of life. Subjects include the Internet, Computer Hardware and Software, Personal Enrichment, Legal, Small Business and Large Business/Management.

<http://www.upmc.edu/ccehs/>

A series of courses targeting practitioners in Internal Medicine and Family Practice. Text-based courses followed by a quiz.

<http://www.vaccinetoday.com>

Four lectures on vaccine safety, originally presented as an AAP satellite symposium on October 27, 2000. Target audience: Family Practitioners, Neurologists.

<http://www.vcu-cme.org/>

Two courses: Absence Seizures and Syndromes, and the Role of GABA in the Pathogenesis and the Treatment of Anxiety. Target audience: Family Practitioners, Neurologists.

<http://www.vh.org>

Courses include Adult Critical Care Core Curriculum, Advanced Laser Safety Course, ATS Radiology for Chest Physicians Conference, Lung Cancer Topics, and Pulmonary Function Tests.

<http://www.vlh.com/>

Online continuing medical education (CME) courses in many specialties and offered by various medical schools and societies.

<http://www.webmd.com/>

Medscape offers free, continuously updated continuing education activities for physicians and other health professionals.

<http://www.wml.com>

Slide-video lectures delivered by expert researchers and practitioners. Most courses are organized as symposia of 3-5 lectures in many specialties.

<http://www.wvrhep.org/informatics>

This course takes the (computer) novice to intermediate physician through the major areas of health care informatics. Some of the areas covered are Searching the World Wide Web, Electronic Mail Discussion Lists and the Internet: How it Works and Why Sometimes It Doesn't.

Reference

Sklar B. Online CME sites. 2002. Available from URL: <http://www.cmelist.com/list.htm>.