SLICE OF LIFE 2003

Welcome to Drexel University and the University of Pennsylvania Sponsors, together with the University of Utah Eccles Library Slice of Life Development Fund, of the 15th Annual Slice of Life Workshop

Full program and abstracts at http://www.slice.gsm.com

WHAT IS THE " SLICE OF LIFE" WORKSHOP?

The group began as contributors and users of the "Slice of Life" videodisc! We like the name, and we occasionally use the resource to grab images! For more than fifteen years, developers of medical multimedia and interested new-comers have gathered together internationally at the Slice of Life Workshop to share ideas and to

- •Hear and see new technology for medical/health applications.
- •Demo new multimedia teaching programs they've made/bought/sell.
- •Share innovations for the World Wide Web distance education and asynchronous learning.
- •Attend demonstrations or hands-on "Pre-Conference" Workshops.
- •Acknowledge and encourage student participation with the award of a $1000.00 cash prize for the most outstanding medical student project.
- •Demonstrate the tools, programs, and projects they have been working on.
- •Discuss strategies for getting new technologies incorporated into the curriculum.
- •Share software and ideas, problems and solutions.
- •Share evaluation data.
- •Meet others with similar interests with whom they can network throughout the year.

The Group is purely voluntary with no formal structure. Each meeting site is selected because there is a cadre of people willing to go to tremendous effort to encourage communication and innovation in health science education. In return, they hope that this gathering will influence a critical mass of people in their own institution or region. Registration fees and sponsors support the effort. This IS a workshop. You may be called upon to help! Remember there are no paid meeting organizers or convention planners, so work with us in creating an exciting atmosphere and sharing your ideas and energy as we meet in Philadelphia 2003.
                    WE WELCOME YOU

REGISTRATION

Tuesday Registration June 24, 2003

8 - 9:30 a.m. Lobby, Korman Center, 33rd and Market St.
12:00 - 2:00 p.m.
4 - 5:00 p.m.

Wednesday Registration June 25, 2003

8 -9:30 a.m. Lobby, Korman Center, 33rd and Market St.
12:00-3:00 p.m. Lobby, Korman Center, 33rd and Market St.
5:00-8:00 p.m. Wednesday Evening Registration and Reception
Institute for Contemporary Art,
(http://www.icaphila.org)
118 South 36th Street at Sansom,
University of Pennsylvania Campus

The museum is one of the most striking contemporary buildings in Philadelphia. Designed by the internationally acclaimed architect Adele Naude Santos, the ICA provides a unique setting for receptions. The glass and limestone building includes a spectacular second floor outdoor terrace. We have reserved the Upper Landing for registration as well as the adjacent Terrace.

Pick up your registration bag with program and abstracts, relax after a pre-workshop and meet old, or make new friends as you roam the gallery. Refreshments and appetizers compliments of Gold Standard Multimedia. Then take our list of nearby restaurants and form a group of old and new friends for dinner

Thursday Registration June 26, 2003

7:45 - 11:00 a.m. Living Arts Lounge, Creese Student Center, next to the Mandell Theater

PREWORKSHOPS, June 24 - 25, 2003

Time/ Building	*Morning* TUESDAY, JUNE 24	*LUNCH*	*Afternoon* TUESDAY, JUNE 24
9:00-5:00 **Korman C**	**Building Device Simulations I: Design and Application.** Lecture/Demo and Hands-on **Kaye** **Price includes cost of Book and a CD with tools and source code**	Lunch Houston Hall	**Building Device Simulations II: Simulator Development.** Lecturer/demo and Hands-on **Kaye Higher price for non-registrants**
9:00-5:00 **Korman G**	**Evaluating Multimedia Teaching Software: How to Design and Implement Usability Studies.** **Hands-on**. Limited to 12 **McIntyre, Uijtdehaage, Nyhof-Young,**	Lunch Houston Hall	Continued
8:30-12:00 **Rush 137**	**New Dimensions for Handheld Devices** Limited to 12 **Maulitz**	Lunch Houston Hall	
8:30-12:00 **Korman 011**	**How to Easily Make and Integrate Quality Videos for Medical Education** lecture/demo. Limited to 12 **Daetwyler**	Lunch Houston Hall	
8:30 -12:00 **by taxi meet Sheraton Hotel**	**Clinical Skills and Assessment Center: High Tech Standardized Patient Applications. ON SITE DEMO** Limited to 15. Transportation to Queen Lane included. **Novack and Cohen**	Lunch Houston Hall	(
8:30-12:00 **Korman D**	**How to Record, Encode, Edit and Stream Digital Video for the Web.** Demo/some **Hands-on**. Limited to 20. **Doerup**	Lunch Houston Hall	
1:30-5:00 **Korman 011**			**QuickTime Track and Interactivity: More than just a Movie. No limit** Lecture/Demo **Nieder and Carlson**
1:30-5:00 **Korman D**			**Introduction to Dreamweaver 4.0: the Bare Bones Hands-on** Limited to 10 **Roberts**
1:30-5:00 **Korman 013**			**Using Computers to Prepare Students for "Real Clinical Experiences"** Lecture/Demo **Daetwyler** No limit

Time/ Building	Morning WEDNESDAY, JUNE 25	LUNCH	Afternoon WEDNESDAY, JUNE 25
9:00-5:00 Korman G	**Creating Interactive Web Animations with PowerPoint Hands-on** Limited to 10 **Roberts**	Lunch Houston Hall	**continued**
9:00-5:00 Korman D	**XML: An Overview of eXtensible Markup Language Hands on** Limited to 10. **Varghese**	Lunch Houston Hall	**continued**
9:00-5:00 Hagerty Library 34	**The Virtual Practicum: Steps in the Development of a Comprehensive Program.** Lecture/Demo **Henderson & Daetwyler No limit**	Lunch Houston Hall	**Continued**
9:00-5:00 Korman C	**Intermediate Flash MX Hands on** Limited to 12 **Jenkinson (PC lab)**	Lunch Houston Hall	**continued**
8:30-12:00 Hagerty Library 33	**Cataloguing Multimedia.** Lecture/Demo **Dennis and Dippie No limit**	Lunch Houston Hall	
8:30-12:00 Taxi from Sheraton Univ. City 8:30	**Start 9:00 a.m. Strategies for Developing and Delivering Live Videoconferencing and On-demand Streaming Video in Medical Education** Lecture/Demo **Smollen and Zeiset. . Transportation to 2900 Queen Lane site included. Begins at 9:00**	Lunch Houston Hall	
9:00-12:00 Korman 011	**DVD-Videodisc Part I: Authoring: MPEG-2 Format, Workflow** Lecture/Demo **Burrows and Carlson Limit 30**	Lunch Houston Hall	**See full day option below and select the best one for you.**
9:00-5:00 Korman 011	**DVD-Videodisc Part I: Authoring: MPEG-2 Format, Workflow** Lecture/Demo **Burrows and Carlson Limit 30**	Lunch Houston Hall	**DVD-Videodisc Part II: Creation** Lecture/Demo **Burrows and Carlson Same room as morning Must take Pt I**
1:30 – 5:00 Korman 013			**Introduction to Java Server Pages (JSP): Building Interactive, Database-Driven Web Applications Hands-on** Limited to 12 **Dennis**
1:30 – 5:00 Hagerty Library 33			**Pedagogical Issues Web-based courses. Goodrich and Scheuermann** Lecture/Demo No limit
1:30 – 5:00 Creese Student Center	**Living Arts Lounge**		**Digital Microscopy: New Paradigm's for Teaching Microscopic Anatomy and Pathology** Lecture/demo **Michael Feldman, Moderator No limit**

Mandell Theater, Creese Student Center, Drexel University
Chestnut Street between 32nd and 33rd Street

Theme: Many developers of health education materials for the Web lack the background or time for training in areas of design and pedagogy. This morning's "just-in-time" session will focus on an analysis of web design and navigation for easy access to your content, presented by our Keynote speaker.

 Next we will consider how we might be more cost effective in developing educational materials for our web sites by accelerating the development process. Finally we will discuss approaches to classifying and indexing educational elements for easy retrieval, indexing or re-purposing using databases. Issues of use and ownership must also be considered. Many of the midday breakout sessions will continue the discussion of these topics in an informal setting.

7:45-11:00 a.m. Registration Living Arts Lounge

8:00 Continental Breakfast served on Grand Hall Balcony

Auditorium Presentations Mandell Theater, Drexel University

8:30 *WELCOME: Warren E. Ross, M.D. Annenberg Dean*
College of Medicine, Drexel University

8:45 *KEYNOTE: " What Makes Content Great?"*
Jared Spool
Tufts University Gordon Institute and Founding Principal of User Interface Engineering (UIE) , Bradford Massachusetts, USA

10:00 Coffee Break - Grand Hall

10:30 *Designing for Early Release of Interactive Multimedia - the Value of Early End-User Testing and Evaluation in Designing Interactive Multimedia*
Anne Strehler, University of Pretoria, South Africa

10:50 *The Health Sciences Database a Knowledge Management System*
Susan Albright and Tarik Alkasab, Tufts University, Boston, Massachusetts, USA

11:10 *The Role of the Digital Repository in the Development of Electronic Curricula*
Nancy Posel and David Fleiszer, McGill University, Montreal, Canada

11:30 *Concept-based Learning Object Management*
Gregory Thompson, M.D., Medantic Technology, Salt Lake City, Utah, USA

11:50 *Introducing HEAL: The Health Education Assets Library*
Chris Candler, The University of Oklahoma, Oklahoma City, USA

Note: Discussion with the morning speakers will continue at the 1:00 Breakout sessions

12:15 Box Lunch - Grand Hall and Balcony and Terrace

1:00-2:00 Breakout Sessions

There are often morning topics that require discussion in more depth. Thus we set aside an hour for topics related to the morning presentations as well as issues of very general or very limited interest where the participants can exchange ideas. The purpose of the activity is informal discussion. Thus, equipment is barred under most circumstances. The leader or facilitators will make a few opening remarks, try to answer questions or keep the discussion going among members of the group. The group contributes expertise in most cases and the session becomes a place for you to meet people with similar interests. You may stay with the same group or sample more than one group during the hour. Remember these sessions are for discussion about technology WITHOUT USING TECHNOLOGY!

Session Topics:

User Interface Design: Knowing your User and not just your Content
Jared Spool, User Interface Engineering and Tufts University, Boston MA
Korman Center 013

Browser Wars Continued: Netscape, IE, Safari, and RealOne
Eric Carlson, New Media Integration Group Media Solutions, Office of Information Technology University of Utah, Salt Lake City
Hagerty Library 33

Streaming video on the Web for all basic science lectures. What is entailed and is it worth it?
Arnold Smollen, Drexel University and Michael Feldman, University of Pennsylvania
Korman Center D

Databases in med ed: What are the Metadata Issues?
Sebastian Uijtdehaage, Chris Candler, Susan Albright, Greg Thompson, Dave Fleiszer. UCLA, U of Oklahoma, Tufts U, McGill U, Medantic Technology
Hagerty Library 34

Planning and Designing a Wireless Campus
Ken Blackney, Director of core infrastructure, Drexel University.
Korman Center 011

The Present State of Presenting: What does Apple's "Keynote" do that PowerPoint does not?
Paul E. Burrows, KUED Media Solutions, University of Utah, Salt Lake City, Utah, USA
Korman Center G

Curriculum management systems & database - Build, Buy or Borrow?
James B. McGee, MD, University of Pittsburgh School of Medicine
Hagerty Library 19

2:00-5:30 Demonstrations and Posters - Berakis Grand Hall

DEMONSTRATIONS

POSE – Palm Operating System Emulator
Ross Vanderbush, University of Arkansas for Medical Sciences College of Pharmacy, Little Rock, Arkansas, USA

Integrating FileMaker with ColdFusion MX via XML
Ken M. Williams, University of Arizona, Tucson, Arizona, USA

Web-based Approach to Teaching Diagnostic Cytology using a "Virtual" Microscope
W Wang, MD, PhD, S Dee, MD, A Naqvi, MD, S Stowell, C Steele, J Woo, PhD
Department of Pathology, SUNY Upstate Medical University, Syracuse, New York, USA

The Role of the Digital Repository in the Development of Electronic Curricula
Nancy Posel and David Fleiszer, McGill University, Montreal, Canada

Demonstration of distance education technology based on public networks
Oleg Medvedev. Vjacheslav Vochmin, Grigory Doroshenko and Maxim Jatskovsky
Moscow State University, Clinics of the Ministry of Economics, Moscow, Russia

Health Education Assets Library (HEAL) Adds New Functionality and Content
Sandra McIntyre, M.Ed. and Sebastian Uijtdehaage, Ph.D., David Geffen School of Medicine at UCLA; Sharon Dennis, M.S., Spencer S. Eccles Health Sciences Library, University of Utah;, Chris Candler, M.D., University of Oklahoma School of Medicine, Oklahoma City, USA

Learning Pediatrics using a Web-based Game
Chris Maloney, MD, Paul Ogershook, MD, Scott Cottrell, EdD, Jeremy Kendrick
University of Utah, Salt Lake City, Utah, USA

Integrating Movies, Images and Text in a New Neuroscience Course Web Site
Allen L. Humphrey, Ph.D., University of Pittsburgh School of Medicine, Pennsylvania, USA

"Genetics in Clinical Practice" and "Smoking Cessation in Pregnancy" - two new Virtual Practicum Programs for Primary Care Providers and Students
Joseph V. Henderson M.D. and Christof Daetwyler, M.D., IML (Interactive Media Lab) Dartmouth College, Lebanon, New Hampshire, USA

Applications for Wireless Pocket PCs in Medical Education
Anand Ganger, Campus Mobility, Ann Arbor, Michigan and Laura Thomas and Matt Jackson, Wayne State School of Medicine, Detroit, Michigan, USA

Implementation of a Commercial Scalable, Multi-User Client Server Image Database for Pathology
Michael Feldman, MD, PhD, Jeremy Goldman, BS and John Tomaszewski, MD Department of Pathology, University of Pennsylvania, Philadelphia, PA, USA

The VirtualLab: An Easy Interface between Technology and Content
John Ellingsworth and Carolyn Phillips, Department of Pathology University of Pennsylvania School of Medicine, Philadelphia, Pennsylvania, USA

Virtual Curriculum
John Ellingsworth, Mike Chirico, Joseph Durrance, and Mike Feldman University of Pennsylvania School of Medicine, Philadelphia, Pennsylvania, PA, USA

Socra-Tease: A True Computer Mentor
Gregory J. Naus, MD and Kathleen A. Ferraro, MA University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania, USA

El Examen NeuroLógico: A Spanish Language Version of the NeuroLogic Exam Website
Eric Carlson, Jose Mendoza, Aaron Kamauu, Suzanne S. Stensaas, Paul Larsen and Paul Burrows, University of Utah and University of Nebraska, School of Medicine, Salt Lake City, and Omaha, USA

POSTERS

Evolution of traditional PBL-cases the multimedia objects.
Kai Sostmann and Kai Schnabel, Charité Medical Faculty of the Humboldt-University, Berlin, Germany

Highly Interactive Educational Software Prepared With Microsoft Visual Basic Software.
Paul K. Schick, Merion Station, Pennsylvania, USA

Challenges and Motivators in the Development of a Web-Based Educational Tool for Undergraduate Clinical Skills Teaching
Collan Simmons, Joyce Nyhof-Young, Errol Colak, Hance Clarke, John Bradley Faculty of Medicine, University of Toronto and University Health Network, Toronto Ontario, Canada

Lightening their Pockets; Using PDA's for Clinical Rotations
Mark W Platt, Louisiana State University Health Sciences Center, Shreveport, Louisiana, USA

Chewing Gum and Duct Tape: Creating an Online Survey Application out of Available Parts
Patrick Burke, MA, Dr. Sandy Cook, Ph.D. and Kevin Tomczyk, The University of Chicago, Illinois, USA

The ROC: Mine it for Educational Gold
Heather Peters Stadham and David Feldman, University of California, San Francisco-Fresno Medication Education Program, Fresno, California, USA

Looking for the Right Method: How to Evaluate and Test Various e-Learning Platforms with different Educational Environments
Uta Anne Kroder, Brigitte B. Strahwald, Marzellus Hofmann, Martin Rützler, Anne Ritter, and Lynn Krieter
medicMED, University Witten /Herdecke, Witten, Germany

Developing and Utilising Standards in E-Learning: Assessment, Evaluation, and Quality Control in medicMED
Brigitte B. Strahwald and Marzellus Hofmann, University of Witten/Herdecke, Witten, Germany

New Approaches to Self-Directed Learning: The "Medupol" Concept as part of the Meducase Learning Platform Developed at the Charité
Dr. med G. Bosse, Thomas Braun, Dr. med Kai Schnabel, Prof. Dr. med Ralf Schumann, University Clinic, Charité and Institute for Hygiene and Microbiology Berlin, Germany,

Technology Empowered Physiology Learning
Yanko Michea, University of Texas Health Science Center at Houston, Texas, USA

Design of a Restraint and Seclusion Interactive Web-based Training Program
Colin McKay , Cynthia L. Phelps, Ph.D., Maria L. Anderson, Ph.D., RN, Doris Georgiou, Ph.D., Lucindra Campbell, M.S.N., RN, School of Health Information Science, University of Texas, Houston, Texas, USA

Assessing Patient Behavior: A Tutorial to Train Health Professions to Evaluate Aggression
Cynthia L. Phelps, PhD, University of Texas Health Science Center, Maria L. Anderson, Ph.D., RN (Texas Woman's University), Doris Georgiou, Ph.D. (Smilex, Inc.), Lucindra Campbell, M.S.N., RN (Houston Baptist University), Colin B. McKay, Ph.D. (Smilex , Inc.) Houston, Texas, USA

Facilitating Community Resource Utilization in Medical Practice: Community Resource Net
Maureen McGlinchey Ford and Sarah N. Pletcher Michigan State University College of Human Medicine, East Lansing, Michigan, USA

CaseWare, a database driven dynamic web application used to enter cases made for the instruction of medical students.
Barbara Johnson, NEOUCOM, Rootstown, Ohio, USA

How One School Succeeded in Getting Faculty Buy-In for their Electronic Course Management System
Kelly Noll, Robert Engeszer, Mary Niedringhaus, Heather Hageman, Amy Meyer and Alison Whelan, Washington University School of Medicine, St. Louis, Missouri, USA

Using a Website to Improve Learning and Communication in Gross Anatomy Dissection
Mary Niedringhaus, Bob Engeszer, Glenn Conroy, Ph.D., Jane Phillips-Conroy, Ph.D., Robert Engeszer, MLS, Washington University School of Medicine

Med:U - Creating Individual E-Learning Courses for Medical Education Fast and Easily on the Platform "Jatek"
Gudrun Karsten, Christian-Albrechts-University of Kiel, Kiel, Germany

An Internet Supported Instructional System for Arrhythmia
Christina Ramon, N. Osada, W. Haverkamp, and W. Köpcke
Department of Medical Informatics and Biomathematics and the Department of Internal Medicine C, University of Münster Germany

Online Introductory Human Anatomy Course
Jeffrey Altemus, Allison Reed, Richard Dey, Penprapa Klinkhachorn Robert Pope, Frank Reilly, Holly Ressitar, and Elizabeth Walker, West Virginia University School of Medicine, Morgantown, West Virginia, USA

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**5:30-9:30 p.m. Welcome Reception and Dinner
Museum of Archaeology and Anthropology,
University of Pennsylvania (ticket required)**

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Morning Theme: This morning's focus will be on the use of computers to present clinical cases. Our Keynote speaker, Dr. Mumenthaler, and his collaborator, Dr. Daetwyler will demonstrate the approach they use when presenting clinical cases in Headache and Neurology. Not only do we examine the role of the good mentor in patient interactions, but also we raise the question of whether computers can model preferred behavior and affect attitudes.

We are ambivalent. We do not want to standardize on one case format, nor do we want reinvent the wheel. We do want to see the variety of approaches to presenting real and simulated patients in a variety of settings during both basic science PBL and clinical clerkships. There are many submissions each year in this area and this year we have selected one from Germany and one from the USA.

Evaluation is difficult to do, but very necessary. We need to evaluate our materials under different conditions and in different settings. The collaboration between universities in the Netherlands has given us some preliminary information about using computer simulations to enhance communication skills. As developers realized, beginning with Hurley Myers in the dark ages of the 80's with his project known as Diagnostic Reasoning, we can't do it alone, because cases are difficult to build and take lots of time. Thus, we spotlight two examples, again from Europe and the USA, of collaboration among clerkship directors or universities to encourage sharing and co-development. These presentations should generate interest and discussion that can carry forward into the breakout sessions.

8:00-11:00 Registration: Living Arts Lounge

8:00   Continental Breakfast: Handschumacher Hall downstairs, Creese Student Center.

8:30   Welcome: Gail Morrison, Vice Dean for Education, University of Pennsylvania. Mandell Theater

Auditorium Presentations Mandell Theater, Drexel University

8:45   KEYNOTE: *Attitudes, Can they be taught with Media?*
Marco Mumenthaler, MD and Christof Daetwyler, MD, Zurich, Switzerland and Dartmouth College Medical School, Hanover, New Hampshire, USA

9:45   *PBL as the Foundation of an Internet-Based Learning and Training Platform*
Marzellus Hofmann, M.D. and Brigitte Strahwald, M.D., Faculty of Medicine, University of Witten/Herdecke, Witten, Germany

10:05 Coffee Break

10:35 *Simulating Patient Encounters with Multimedia Case Studies*
John Priestley, MA, Carolyn Peel, MD, Jeanne Schlesinger, MEd, and Chris Stephens, Virginia Commonwealth University School of Medicine, Richmond, Virginia, USA

10:55 *Training Medical Students in Communicating with their Future Colleagues*
J. D. Donnison-Speijer, Academic Medical Center at the University of Amsterdam, the Netherlands

11:15 *CASEPORT: Synergy through Integration of Case-based Learning Systems*
M. R. Fischer and M. Holzer for the CASEPORT- Consortium, University of Munich, Munich, Germany

11:35 *The Computer-assisted Learning in Pediatrics Project (CLIPP) - A Comprehensive, Curriculum-based Computer-assisted Instruction Program*
Norman Berman and Leslie Fall
Dartmouth Medical School, Hanover, New Hampshire, USA

11:55 **Presentation and Demonstration** *of the Student Software Award*
Susan Roberts, Eccles Health Sciences Library, University of Utah

12:15 **Box Lunches distributed downstairs in Handschumacher Hall**

1:00-2:00   Breakout Sessions

Use and abuse of technology in learning and teaching or: What technology for which purpose ?
Marco Mumenthaler, Zurich, Switzerland
Hagerty Library 33

MPEG-4 in health science education: Theoretical potential and practical Limitations.
John C. Pearson, Wright State University School of Medicine, Dayton, Ohio, USA
Korman Center 011

THE VIRTUAL PRACTICUM MODEL is going public and open source. What does this imply for the community of developers of medical educational media?
Joseph V. Henderson M.D., Christof Daetwyler, M.D. and other staff members of the Interactive Media Lab, Dartmouth College of Medicine, Hanover, NH
Korman Center G

Digital Microscopy and Digital Slides. Is this the Demise of Conventional Microscopic Histology and Pathology?
Michael Feldman, Department of Pathology, University of Pennsylvania, Philadelphia, PA
Korman Center 013

Training and Supporting Faculty and Students who Work in a Wireless Environment
Jan Biros and Arnold Smollen, Drexel University
Korman Center D

The Pros and Cons of E-books: An overview
Andy Wasserman, TransMedia Sound & Music, Schooleys Mountain, New Jersey
Hagerty Library 34

Digital Ink Technology and Medical Education: Sharpen your Tablet PC Stylus
Barry G Timms and Heidi Nickisch Duggan
Division of Basic Biomedical Sciences and Lommen Health Sciences Library University of South Dakota School of Medicine, Vermillion, South Dakota, US
Korman Center C

2:00 - 5:30 DEMONSTRATIONS - Living Arts Lounge

E-Books: The next step in content delivery for Educators
Andy Wasserman, TransMedia Sound & Music, Schooleys Mountain, New Jersey, USA

More Comparisons of QuickTime Streaming, RealOne, and Windows Media Architectures in the Delivery of Multimedia to Health Science Students
Paul E. Burrows and Eric Carlson, Media Solutions, University of Utah, Salt Lake City, Utah, USA

A Comparison of MPEG-4, Windows Media and QuickTime Streaming Architectures in the Delivery of Multimedia to Health Science Students
John C. Pearson, Gary L. Nieder and Geethanandh Kandasamy Wright State University School of Medicine, Dayton, Ohio, USA

Sounds and Murmurs of the Heart
Dr. Chi-Ming Chow, Oles Protsidym MA, Jonathan Gates MD, James Stewart MD.
McGill University, Montreal, Canada

Cardio Calc - Palm OS Cardiology Calculators
Dr. Chi-Ming Chow and Du Yang, University of Toronto and St. Michael's Hospital,
Toronto, Ontario, Canada

CD-ROM on the Physical Examination of the Patient
Anatoly Baranov, Andrey Stroutinski, Timur El-Gohary, Oleg Medvedev
School of Medicine, Moscow State University, Moscow, Russia

Using the Web to Enable Primary Care Physicians to Improve Their Care of Children with Chronic Conditions
Chuck Norlin, Sharon Dennis, Susan Roberts University of Utah

Dynamic Patient Simulators as an inter-physician communication training aid
Peter M. Bloemendaal and E. Beekhuizen, Leiden University Medical Center, Leiden,
the Netherlands

Interactive Head & Neck Radiology Courseware for the Internet
Frank Reilly, Mahesh Kamsala, Allison Reed, and Jeffrey Altemus West Virginia
University School of Medicine, Morgantown, West Virginia, USA

Anatomy of a Heart Attack: An Interactive Teaching CD-ROM
Kevin T. Strang, PhD, University of Wisconsin, Madison, Wisconsin, USA

An Innovative, Multimedia Approach to Training Standardized Patients for Clinical Skills Examinations at Multiple Sites
Ann M. King, Jeannette M. Sanger, Colette L. Scott National Board of Medical
Examiners, Philadelphia, Pennsylvania, USA

Template for a Multimedia Case Simulator for Medical Diagnosis in a Problem-Oriented Curriculum
Mchio SHIIBASHI, Ryozo OHNO, Hitomi TAKANO, Miho SUZUKI, Takao MORITA,
Saitama Medical School, Japan

A hybrid medical embryology course
Thomas A. Marino, Ph.D., Temple University School of Medicine, Philadelphia, USA

Online Interactive HIPAA training at Cleveland Clinic: Conception to Completion in Three Months
Neil Mehta, MD, FACP, Anil Jain MD, Kristin Hill Cleveland Clinic Foundation,
Cleveland, Ohio

Next Generation Authoring with CASUS: Web-based Cases for Clinical Reasoning Courses
M. Holzer, M. Adler, I. Hege and M. R. Fischer Medical Faculty, Ludwig Maximilians
University and AG Med. Lernprogramme, Munich, Germany

The Computer-assisted Learning in Pediatrics Project (CLIPP) - A comprehensive, curriculum-based computer-assisted instruction program

Norman Berman and Leslie Fall, Dartmouth Medical School, Hanover, New Hampshire, USA

Online Brain Atlases with Facility for Cross-Species Comparison of Neuroanatomical Features

Keith D. Sudheimer, Neuroscience Program, University of Michigan, Ann Arbor, and Brian M. Winn, and John I. Johnson Radiology Department, Division of Anatomy, Michigan State University, East Lansing, Michigan, USA

Fetal Echo Expert System

Krzysztof P. Wroblewski, Ph.D., Zhi Youn Tian, M.D., Piotr M Wroblewski, B.Sc. University of Pennsylvania School of Medicine, Philadelphia, Pennsylvania, USA

Epic Care CBT

Joe Durrance, Tony Luberti, M.D., Eric Pifer, M.D., Mayland C. Reilly, M.Ed., MS, and Charles Bears, University of Pennsylvania Medical School, Philadelphia, USA

Enhancing Physical Examination Skill Instruction with Digital Learning Objects: Using Technology to Build the Basics

Timothy J. Cain, Christopher A. Fish, Christopher N. Finneran, Curtis Stewart, Cynthia Kreger, Douglas Knutson and Larry Gabel, 2md :: Medical Multimedia Design, College of Medicine & Public Health and Departments of Internal and Family Medicine, The Ohio State University, Columbus, Ohio, USA

Continuing Medical Education: Coupling Innovative Web Technologies to Enhance and Extend Your Educational Mission

Christopher N. Finneran, Christopher A. Fish, Pinky Davis* and Timothy J. Cain, 2md :: Medical Multimedia Design, Center for Continuing Medical Education, College of Medicine & Public Health, The Ohio State University, Columbus, Ohio, USA

Pitt Med Navigator ñ A web-based curriculum development and management system

James B. McGee and Jane Alexander, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania, USA

Computer Based Training Server: a Free, Reliable, and Scalable Platform for Web-Based Courses

Dr.med. Marc M. Batschkus, PD Dr. med. Dipl. Inf. Martin Dugas, Andreas Brandmaier, Thomas Heilmann, Markus Jehle, Nico Kaiser, Nico Engelhardt, and Dr. med. Vet. Karin Schmidt, Multimedia-Lerncenter-Medizin, IBE, University of Munich, Munich, Germany

Qbank - Online Customizable question database

Rochelle Rothstein, MD, Rich Friedland, DPM, and Elisaa Levy, MD Kaplan Medical, New York, NY, USA

Assessing Patient Behavior: A Tutorial to Train Health Professions to Evaluate Aggression
Cynthia L. Phelps, PhD, University of Texas Health Science Center, Maria L. Anderson, Ph.D., RN (Texas Woman's University), Doris Georgiou, Ph.D. (Smilex, Inc.), Lucindra Campbell, M.S.N., RN (Houston Baptist University), Colin B. McKay, Ph.D. (Smilex , Inc.) Houston, Texas, USA

ANATOMIA: An interactive Web-based resource to assist medical and dental students with learning functional anatomy of the larynx.
Jodie Jenkinson, Howard Cohen, Bernie Leibgott, Patricia Stewart, and Michael Wiley, Faculties Medicine and Dentistry, University of Toronto, Toronto, Ontario, Canada

Adaptive tutoring system in Cardiology
Zahra Al Rawahi, College of Medicine & Health Sciences, Sultan Qaboos University, Sultanate of Oman.

The Stethoscope and the Echocardiogram - How they Interdigitate
Daniel Mason, M.D., Drexel University College of Medicine, Philadelphia, USA

Viewletbuilder3:   Creating Screen Sequence Tutorials for any Windows-based Software
Ross E. Vanderbush Pharm.D. University of Arkansas for Medical Sciences College of Pharmacy, Little Rock, Arkansas, USA

Saturday, June 28, 2003
Creese Student Center
Chestnut Street between 32nd and 33rd Street

8:15   Continental Breakfast - Living Arts Lounge

Auditorium Presentations Mandell Theater, Drexel University

8:45   Students Create and Critically Evaluate an Online PBL Tool
Debra Sibbald
Leslie Dan Faculty of Pharmacy, University of Toronto, Toronto, Canada

9:05   Socra-Tease: A True Computer Mentor
Gregory J. Naus, MD and Kathleen A. Ferraro, MA
University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania,

9:25   KEYNOTE: *TK3 - Finally a Real Multimedia E-Book*
Andy Wasserman, TransMedia Sound & Music, Schooleys Mountain, New Jersey, USA

10:30 Coffee Break - Living Arts Lounge

10:50   The Development of Instructional, Interactive, Multimedia Anatomy Dissection Software
Matthew Inwood & Jamil Ahmad
Royal College of Surgeons in Ireland, Dublin, Ireland

11:10 *Latest Developments in AN@TOMEDIA ™*
Christopher A. Briggs, Norman Eizenberg, Priscilla Barker and Ivica Grkovic, Department of Anatomy & Cell Biology, The University of Melbourne, Australia

11:30   *World Health Organization's Health InterNetwork: Sharing Electronic Resources*
Erica Frank, MD, MPH, Emory University, Atlanta, Georgia, USA and Joan Dzenowagis, Ph.D., WHO, Geneva, Switzerland

11:45 *Preview of Slice of Life 2004 in the Netherlands*
Adriaan van Doorn, Chairman of the Organizing Committee, SOL 2004
June 28-July 2 Amsterdam and Leiden.

11:55   *Acknowledgements for the meeting and Logistics for the Grand Extravaganza*

12:45 Bus departs East Hall for Grand Extravaganza
1:00   Bus departs Sheraton University City Hotel for Extravaganza