

CAP '07 – The Pathologists' Meeting

Course Outline for ST106

Association for Pathology Informatics (API): Demystifying Informatics, a Primer for Pathologists

Bruce A. Beckwith, MD, FCAP, Walter H. Henricks, MD, FCAP, and
John H. Sinar, MD, PhD, FCAP

Course Outline	Faculty
I. Fundamentals of Computer Hardware and Software A. Hardware B. Digital storage of data C. Operating system and application software D. Databases	John H. Sinar, MD, PhD, FCAP
II. LIS "Environment" A. Networks B. Architecture C. Interfaces and data interchange	Bruce A. Beckwith, MD, FCAP
III. LIS Maintenance Tables, Rules, and Autoverification A. Dictionaries B. Worksheets C. Autoverification D. Rules	Walter H. Henricks, MD, FCAP
IV. Digital Imaging and Telemicroscopy A. Imaging Basics 1. Resolution 2. Color representation 3. Image compression B. Putting together a digital imaging solution for pathology C. Telemicroscopy technologies D. Uses for telemicroscopy	John H. Sinar, MD, PhD, FCAP
V. Administrative aspects of Informatics A. System selection B. Contracts C. Accreditation and regulatory issues	Bruce A. Beckwith, MD, FCAP
VI. Implications of electronic medical record (EMR) systems for laboratory data management A. EMR as physician portal to laboratory work B. Pitfalls in lab data handling in EMR C. Tips for working with EMR IT staff	Walter H. Henricks, MD, FCAP