

**CAP '07 – The Pathologists' Meeting**  
**Course Outline for**  
**SS109**  
**Association for Pathology Informatics (API):**  
**Whole Slide Digital Imaging –**  
**Will it Change the Practice of Pathology?**

Ulysses J. Balis, MD and John H. Sinard, MD, PhD, FCAP

<b>Course Outline</b>	<b>Faculty</b>
I. Understanding what Whole Slide Imaging Is A. Technology underlying Wide-Field Microscopy B. Specific Overview of two critical factors: Compression and Response Latency C. Wide-Field Capture Strategies D. High-throughput technologies E. Current and Anticipated State-of-the-Art F. Projected Time-line to availability of technologies	Ulysses J. Balis, MD
II. Uses for Whole Slide Imaging in Pathology - Point A. Educational compendia B. Real-time consultations C. Proficiency Testing D. Documentation / archiving / image repositories E. Interoperability F. Day-to-day Primary Signout? G. Region-of-interest based query H. Computer assisted diagnosis and differential diagnosis generation I. Integration into resident training.	Ulysses J. Balis, MD
III. Assessing Technology in General	John H. Sinard, MD, PhD, FCAP
IV. Whole Slide Imaging in Pathology – Counter-point A. Pathology is not Radiology B. Image Quality C. Technological Limitations D. Telepathology E. Decreased Handling of Slides F. Distributed Access G. Comparison to other cases H. Computer assisted diagnosis I. Residency Training	John H. Sinard, MD, PhD, FCAP
V. Discussion and questions	Ulysses J. Balis, MD John H. Sinard, MD, PhD, FCAP