

Pathology Informatics: Shaping the Future of Clinical Informatics

Wrap-up and Call to Arms

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Thanks to our expert panel!

- Liron Pantanowitz
- Jason Baron
- Brian Jackson



Overview

- Personalized medicine is upon us
- Combination of many new techniques
 - Digital Pathology
 - Clinical Decision Support
 - Data Analytics
 - Molecular Pathology
- Pathology needs to organize this data into useful information

Digital Pathology

- Morphology will remain an important part of diagnostics
- Digital images will offer significant benefits that will drive conversion to WSI
- This evolution will take time, but it is inevitable
- Pathologists will be the imaging experts

Clinical Decision Support

- CPOE has given clinicians too many options without any tools to drive appropriate test ordering
- CDS can become a great asset to clinicians, but has been poorly implemented in most cases
- Pathologists are an invaluable resource in the design and development of CDS tools
- Computational Pathology is in its infancy

Data Analytics

- The role of the clinical laboratory will morph from running tests to diagnosing patients
- We can leverage the data we are generating in the lab to improve the utilization of health care
 - **The right test for the right patient at the right time**
- In an era of accountable care, good analytics will determine financial stability of health systems

Molecular Pathology

Please attend the session in this room
after lunch

Clinicians interact with
pathology through the EHR

Current EHRs and LISs are completely inadequate to meet the challenges facing medicine

The Future of Pathology (Informatics)



“Look to the future, because that is where you’ll spend the rest of your life.”

George Burns

The Practice of Pathology is Changing

- We will need to combine the disparate data we are generating
 - The line between AP and CP will disappear
 - Quantity of data will continue to increase
 - Quality of data will become more and more critical
- The combined data will need to be analyzed
- This will create a new type of diagnostic pathology report that will determine treatment options

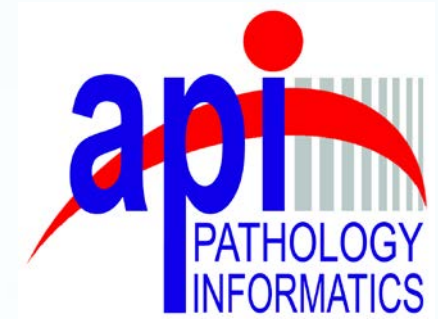
Pathology Informaticians are
leaders in and out of
Pathology

Be Active in Our Systems

- Participate in EHR selection/implementation
- Be involved with EHR committees and groups
- We need to understand the EHR and its impact on our operations
- Contribute to CDS and data analytics efforts
- Document and communicate lab's contribution to IT projects and operations
- Clinical Informatics fellowships

Other Areas We are Needed

- Health Information Exchanges
 - Required standards
 - Are our results making it to the HIE intact?
 - Combining results from disparate sources
- Patient Portals
 - What should be sent and when?
 - Opportunity for patient education by pathologists



Thank You!

We value your feedback about this new format
We are open to suggestions for themes for next year

Enjoy your meeting!