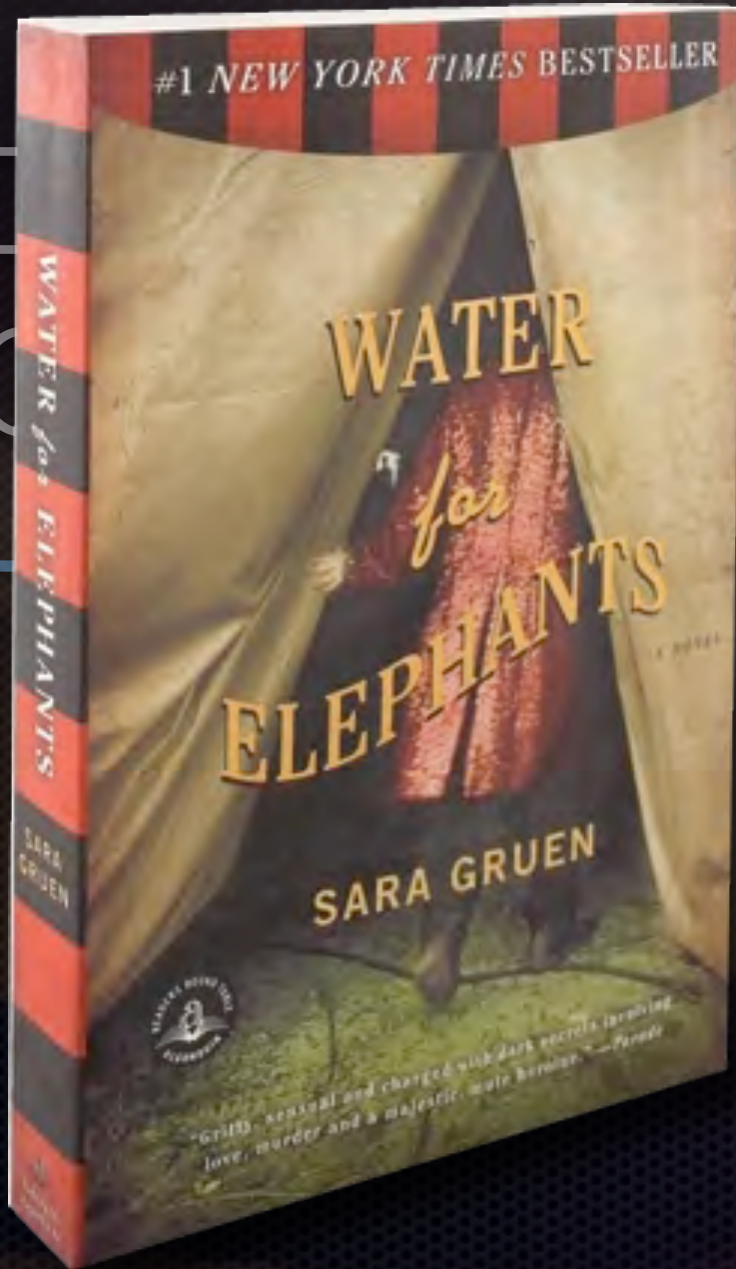


# Digital Pathology in Community Practice

**Trying to Bring Water for Elephants**

**Visions 2009**

**Eric F. Glassy, MD**

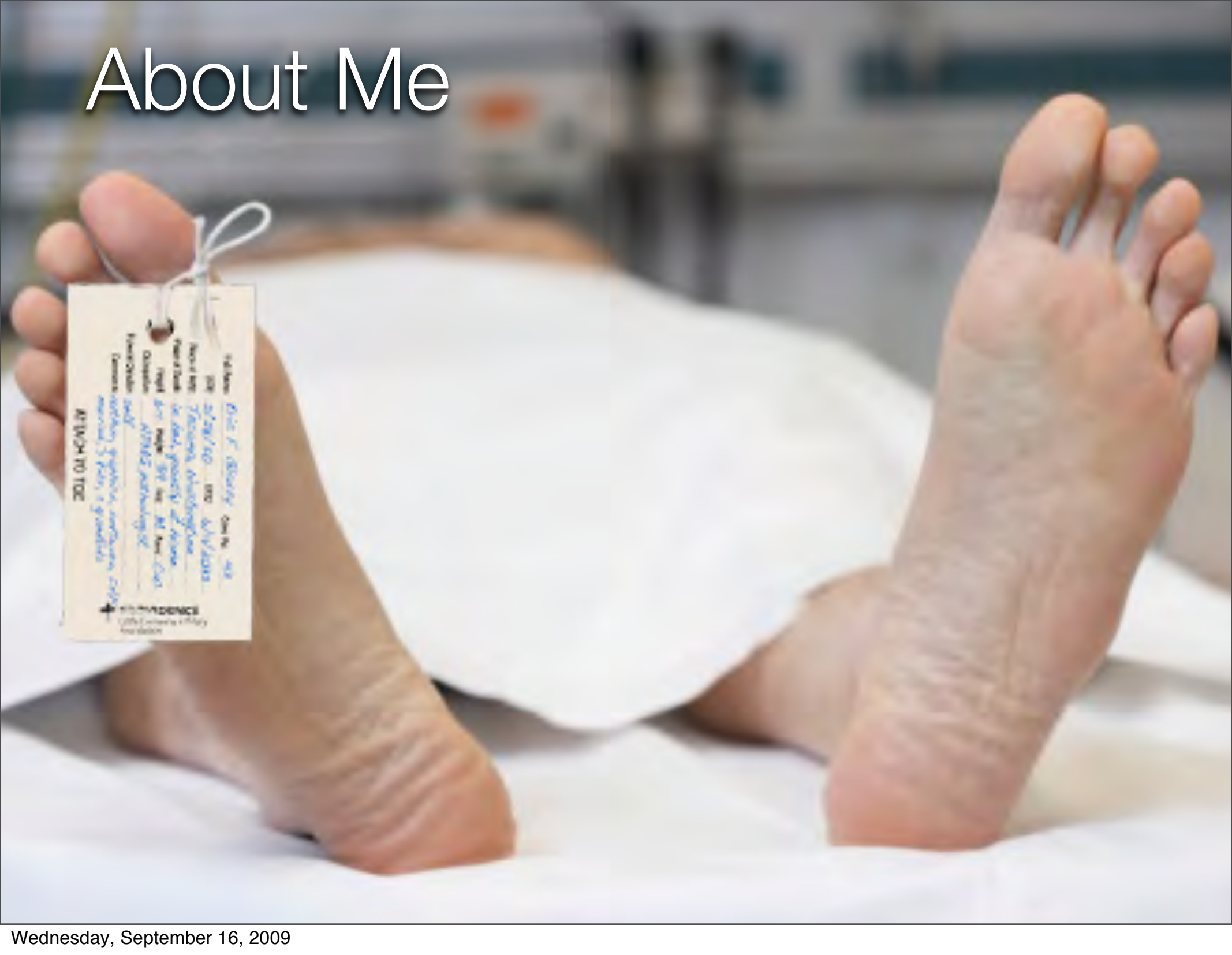


# ology in Practice

## for Elephants



# About Me



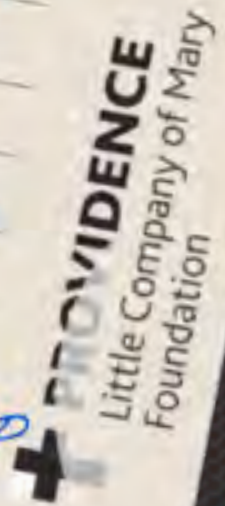
William Eric F. Stearns, MD, PhD  
1000 27th St, NW  
Room 1000  
Washington, DC 20037  
Phone: 202-462-1000  
Fax: 202-462-1001  
E-mail: wstearns@nihs.nih.gov  
NIH/NIA  
National Institute on Aging  
2000 M Street, NW  
Bethesda, MD 20892  
www.nia.nih.gov

ATTACH TO TOE

PHOTOCOPYED FROM THE  
NIH/NIA  
2000 M Street, NW  
Bethesda, MD 20892  
www.nia.nih.gov

Full Name: Eric F. Glassy Case No: 143  
DOB: 2/28/50 DOD: 6/11/2033  
Place of Birth: Tacoma, Washington  
Place of Death: in bed, quietly at home  
Height: 6-1 Weight: 189 Sex: M Race: Cac  
Occupation: APMG pathologist  
Funeral Director: self  
Comments: author, graphics, software, CAP  
married, 2 kids, 2 grandkids

ATTACH TO TOE



# Horizon

- ✦ our WSI setup
- ✦ current uses
- ✦ delivering the water



AFFILIATED  
PATHOLOGISTS  
MEDICAL  
GROUP



**Pathology Inc.**  
a Medical Corporation

# Private Practice Group

- ✦ 31 Board Certified pathologists
- ✦ subspecialty expertise
- ✦ 11 service locations in 4 counties in southern California

AFFILIATED  
PATHOLOGISTS  
MEDICAL  
GROUP





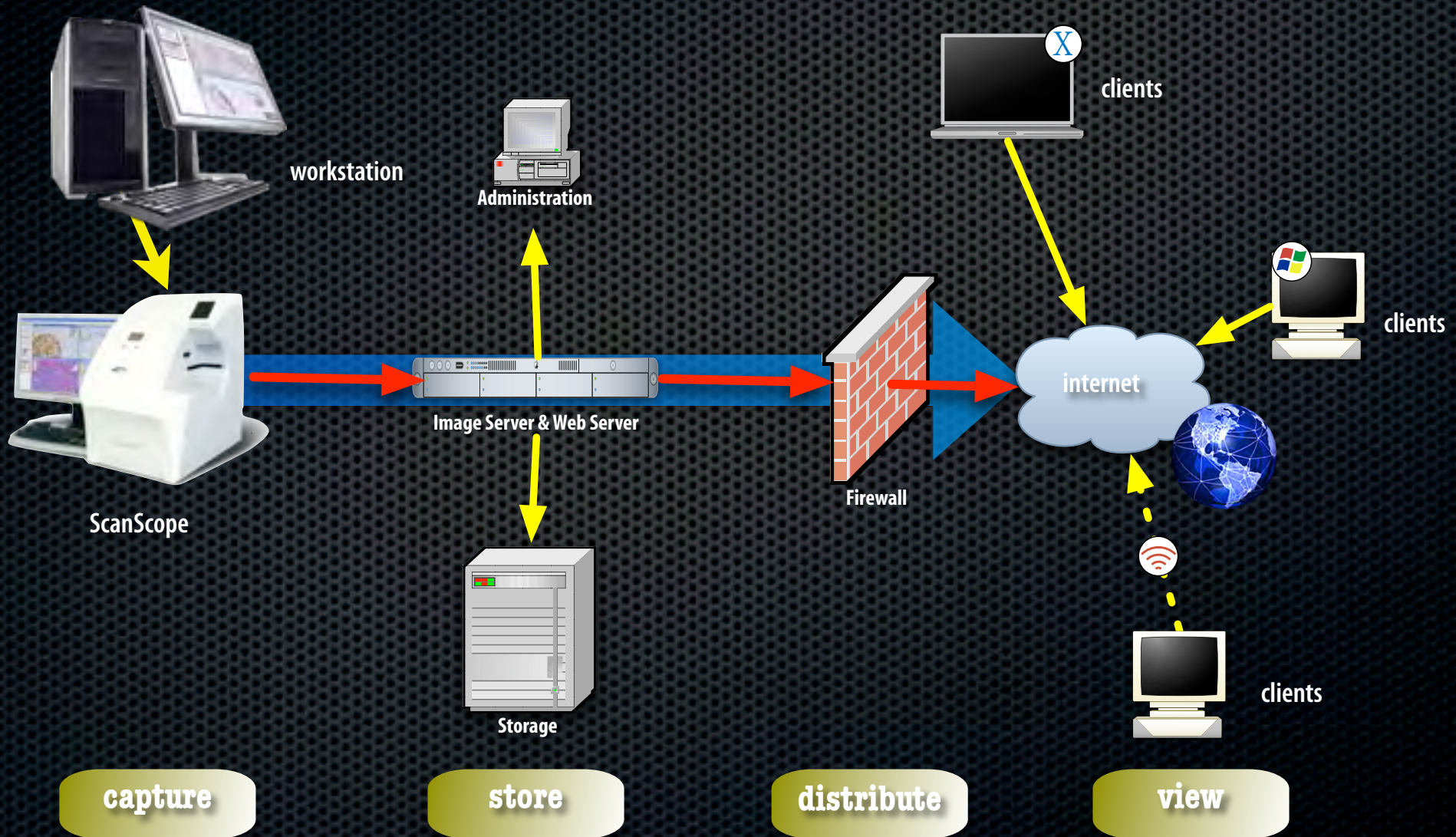
- ❖ pathologist-owned reference lab
- ❖ 28 year history of outpatient pathology practice
- ❖ specializing in and exclusively performing anatomic pathology





- ✦ ScanScope XT
- ✦ part of IHC department
- ✦ no APLIS interface

# Hardware Network

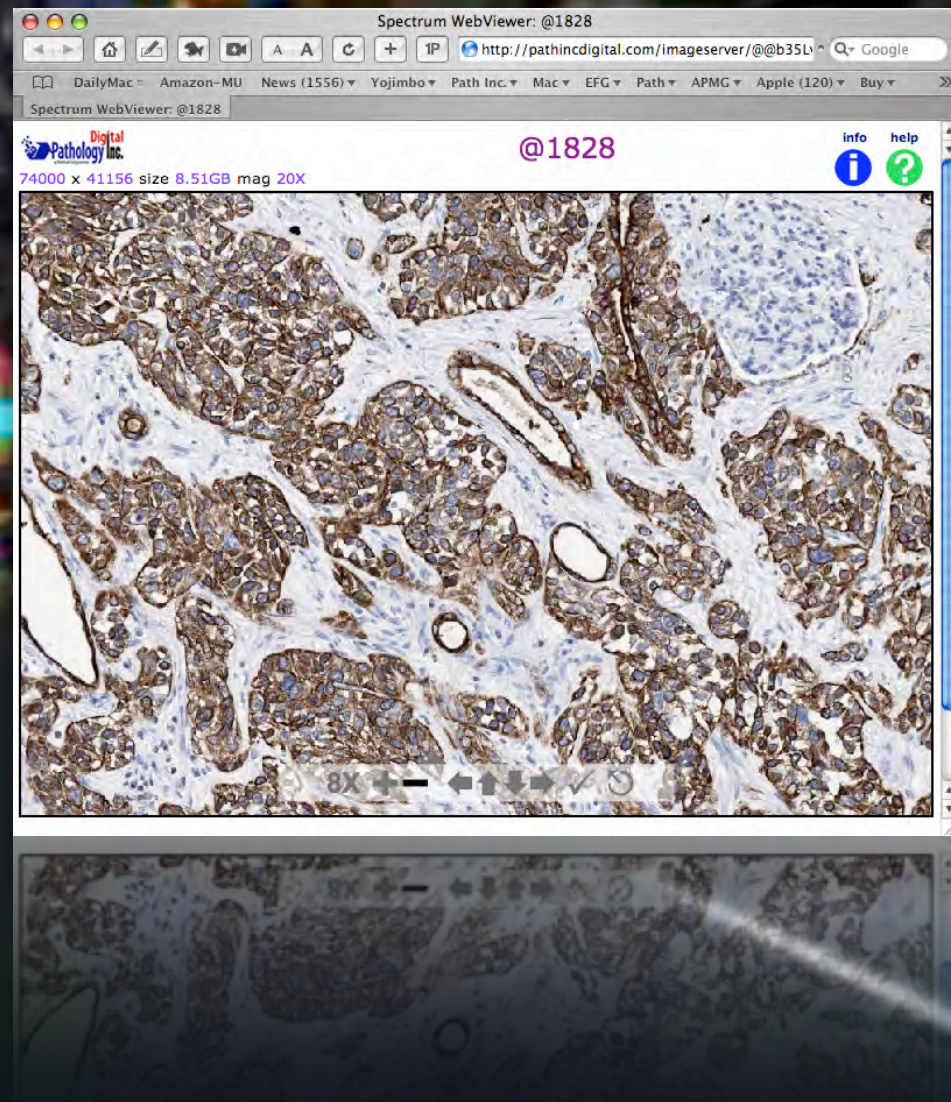


# Current Uses

Beyond Playing Around



# Virtual IHC



# Ordering WSI

## Immunohistochemistry, DNA & FISH Testing

Fax Request: 310-380-7165



Main Office: 915 Main St, Torrance, CA 90503  
 Monrovia Office: 21 W. Walnut Ave., Monrovia, CA 91016

PATIENT INFORMATION		DATE SUBMITTED
LAST NAME	FIRST NAME	HI
SEX	AGE	BIRTHDATE
SSN	MEDICAL RECORD #	DATE OF SURGERY/DATE COLLECTED

INSURANCE COMPANY NAME  PRIMARY  SECONDARY

ADDRESS

CITY/STATE/ZIP

SUBSCRIBER'S SSN/POLICY#

GROUP/LOCAL#

RELATIONSHIP TO PATIENT:  SELF  SPOUSE  CHILD  OTHER

CONSULTATION	IMAGE ANALYSIS
Consult additional stains as needed: <input type="checkbox"/> Dr. Chandross <input type="checkbox"/> Dr. Brynes <input type="checkbox"/> Drs. Chan/Felten <input type="checkbox"/> Dr. Kass <input type="checkbox"/> Other	<input type="checkbox"/> ER <input type="checkbox"/> PR <input type="checkbox"/> Ki67 <input type="checkbox"/> HER2 <input type="checkbox"/> p53 (quantitative)
<input type="checkbox"/> HER2 (FISH) <input type="checkbox"/> reflex FISH after 2+IHC	<input type="checkbox"/> create virtual slides

create virtual slides

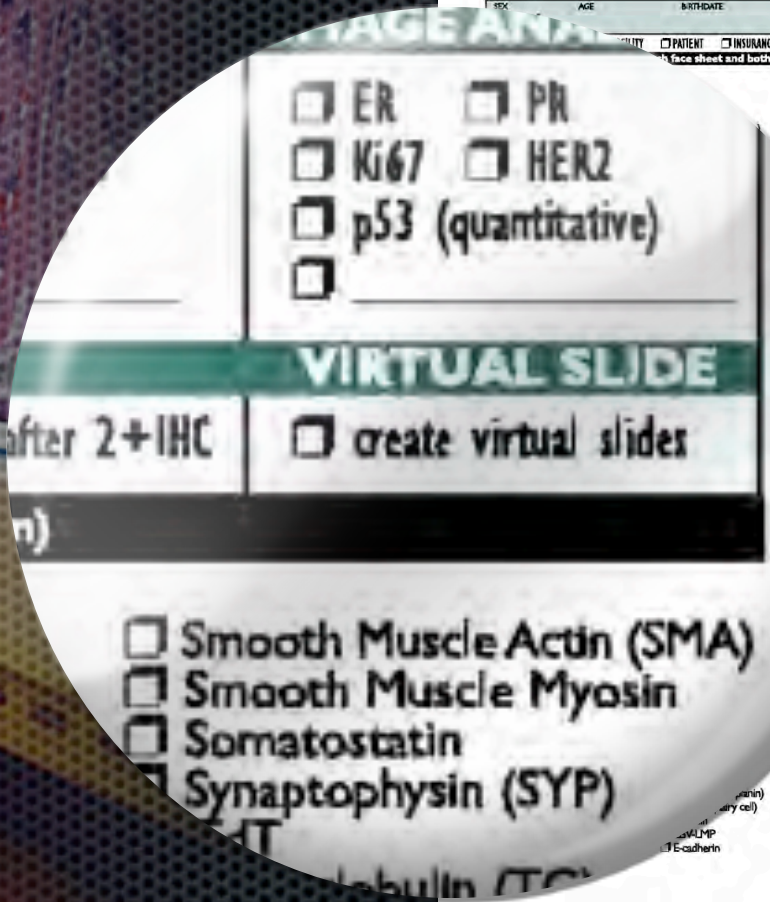
Smooth Muscle Actin (SMA)  
 Smooth Muscle Myosin  
 Somatostatin  
 Synaptophysin (SYP)

Ki-67 (MIB-1)  
 Lambda (light chain)  
 LH  
 Lysozyme (MURA)  
 Mammaglobin  
 Mast Cell Tryptase  
 Melan A (Mart-1)  
 MLH-1  
 MOC-31  
 MSH-2  
 MSH-6  
 MUM-1  
 Myeloperoxidase (MPO)  
 MyoD1  
 Myoglobin  
 Neurofilament protein (NFP)  
NSE (neuron sp. enolase)  
 Oct-2  
 p16<sup>INK4</sup>  
 p53  
 p57 (Kip2)  
 p63  
 PAP (prostatic acid phosph.)  
 PAX-5 (BSAP)  
 PIN-4 (AMACR, P63, 34BE12)  
 PLAP (placental acid phosph.)  
 PMS-2  
 Pneumocystis carinii (PcP)  
 PR  
 Prolactin  
 PSA  
 PTH  
 Renal Cell Carcinoma (RCC)  
 S-100

Smooth Muscle Actin (SMA)  
 Smooth Muscle Myosin  
 Somatostatin  
 Synaptophysin (SYP)

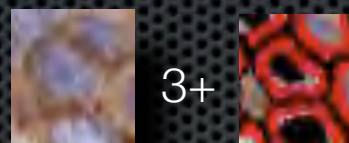
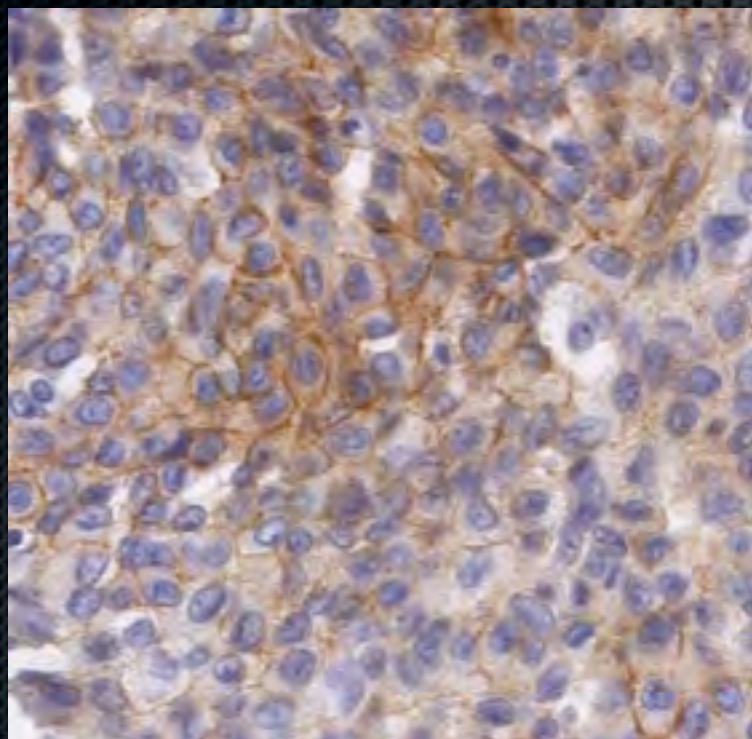
Prostate ASAP Protocol  
 Cervix p16 + p63 Protocol  
 DNA Mismatch Repair Markers

Form 1227 revised 6/07

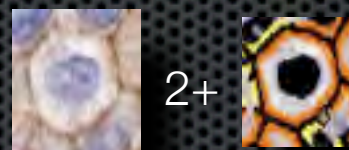


# Image Analysis

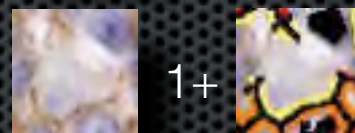
## Digital IHC: Breast Markers



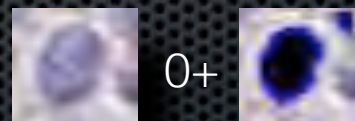
3+



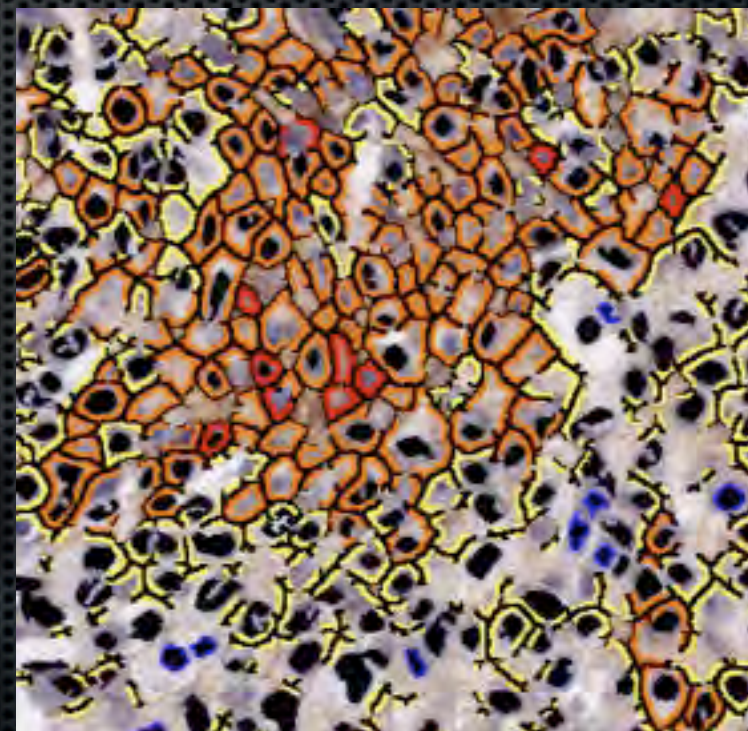
2+



1+



0+



**HER2 Score: 2+**

3+ Percentage: 3.0%

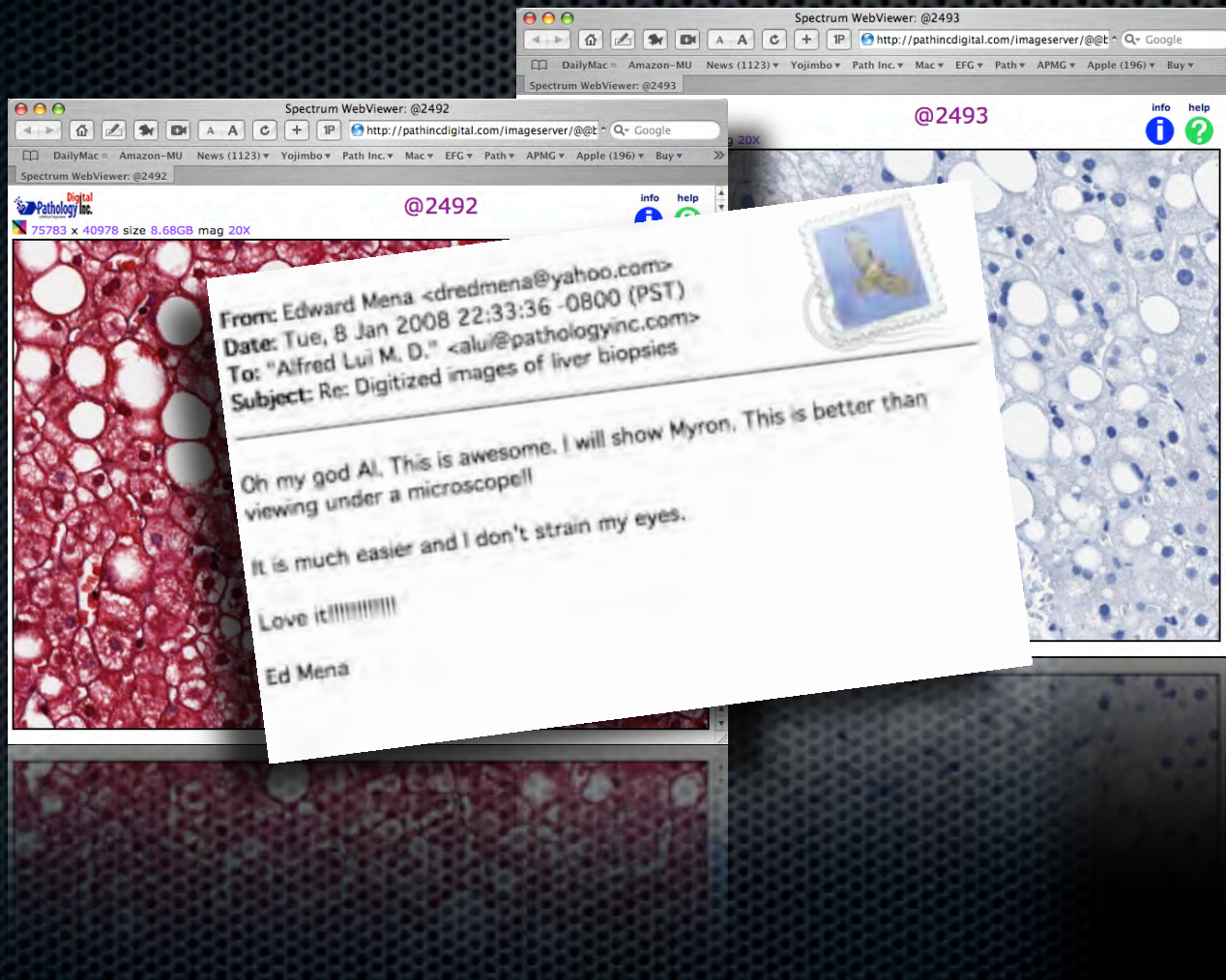
2+ Percentage: 42.5%

1+ Percentage: 51.0%

0 Percentage: 3.5%

# Client Slide Reviews

- ✦ hepatologist
- ✦ GI specialist



Alfred Lui, MD

# LIVE PDF

FINAL - CORRECTED Report | IHC REPORT | August 31, 2009

Pathology Department  
**Pathology Inc.**  
POMONA VALLEY HOSPITAL  
MEDICAL CENTER


Pomona Valley Med  
CD  
1750 N. Garey  
Avenue  
Pomona, CA 91767  
Phone: (909) 863-9500

PATIENT	PATIENT ID	DOB	GENDER	AGE	PHYSICIAN	PHONE
Suzanne, Patient		1933-01-30	Female	76	Dr. Sores	

CASE COMMENTS

HOSPITAL ACCESSION	ACCESSION NUMBER	COLLECTED DATE	RECEIVED DATE	BODY SITE	PROCEDURE
		2009-08-22	2009-08-25	RECTAL CA	UD 109-88


**H&E**



Only invasive component scored

No HER2/nes slide for this specimen

**ER**




Score: 95.0625

Use computer-assisted image analysis

Favorable

Analysis done on invasive components

**PR**




Score: 5

Use computer-assisted image analysis

Positive

Only invasive component scored

**Ki67**



Score: 40.9811

Use computer-assisted image analysis

Unfavorable

The percent positivity was performed on the invasive component.

Signature: Eric Salway | August 31, 2009 01:28 PM | Page 1 of 2





review case with patient

# Digital Slide Conference

 **Pathology Inc.**  
Medical Diagnostic Services

## Client Slide Request

Patient Name: \_\_\_\_\_  
Case Number: \_\_\_\_\_  
Client: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Office contact: \_\_\_\_\_

Request:  review slides and call     send out for second opinion     Recut  
 digital slide conference    pre-arranged date: \_\_\_\_\_ time: \_\_\_\_\_

Client Question or Concern \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Pathologist Reviewing Slides \_\_\_\_\_ Date: \_\_\_\_\_  
Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# Current Uses

AFFILIATED  
PATHOLOGISTS  
MEDICAL  
GROUP



# Tumor Conference

## The Art of Storytelling



Digital Slide Conference

**PathLIVE**  
Designed & Programmed by Eric F. Glassy, MD

**digital slide conference database**

- CASES
- SLIDE BOX
- ACQUIRE URLS
- PRESENT CASES
- HELP
- UTILITIES
- QUIT

Sat, Oct 20, 2007  
2:49:26 PM  
Eric Glassy

**Pathology Inc.** Blending Expertise With Innovation  
Version: 1.2b

100 Browse

The screenshot shows a web browser window titled "Digital Slide Conference". The main content area features the "PathLIVE" logo in blue and red, with the text "Designed & Programmed by Eric F. Glassy, MD" below it. Underneath is the heading "digital slide conference database". A vertical menu on the left contains buttons for "CASES", "SLIDE BOX", "ACQUIRE URLS", "PRESENT CASES", "HELP", "UTILITIES", and "QUIT". To the right of the menu is a computer monitor displaying a microscopic image of tissue with the "Digital Pathology Inc." logo overlaid. A microscope is positioned in front of the monitor. At the bottom left, the date and time "Sat, Oct 20, 2007 2:49:26 PM" and the name "Eric Glassy" are displayed. At the bottom right, the "Pathology Inc." logo and tagline "Blending Expertise With Innovation" are shown, along with "Version: 1.2b". The browser's status bar at the very bottom shows "100" and "Browse".



Present Case

**PathLIVE Present**

Home Cases Acquire Web Utilities

**TB-1 DL**  
DL (53y M)

11/19/2007

cases for 11/19/2007

Breast-1 JM	tubular adenoma
Breast-2 SS	infiltrating ductal carcinoma
Breast-3 RN	infiltrating ductal carcinoma
<b>TB-1 DL</b>	adenocarcinoma, colon with
TB-2 GB	renal cell carcinoma
TB-3 RT	fibromatosis

Sides for TB-1 DL

1	507-2947 B image	gross photo	photo
2	507-2947 B image	gross photo	photo
3	507-2947 B image	gross photo	photo
4	507-2947 B H&E	low power	
5	507-2947 B image	gross photo	photo 2up
6	507-2947 B H&E	medium	
7	507-2947 B H&E	medium	
8	507-2947 B image	metastatic	photo
9	507-2947 B image	gross photo	photo

Summary

Website

suppress name  toolbar  thumbnail

100 Browse

# Video Demo

After the glow of  
ownership fades...

OFls

(Opportunities for Improvement)

# Why It Succeeded



- ✦ ease of use
- ✦ overwhelmingly positive response to WSI
- ✦ computer savvy pathologists
- ✦ minimal workflow disruption

# Why It Succeeded



- ✦ combine still digital images, websites and WSI
- ✦ zoom/coordinates captured



# Why It Succeeded



- ❖ conference worklist
- ❖ case summary



**Patient** Andrew Miller      **Age/Sex** 74y M      **Conf. Date** 8/5/2008  
**Diagnosis** liposarcoma, well differentiated

**Case Summary**

**AM (74y M)**

**Right gluteal mass:**

**Liposarcoma, well differentiated lipoma-like**

22 cm  
 focally intramuscular  
 focally involving resection margin

<b>01</b>	<b>S08-1910</b>	image	gluteus	gross photo	
			<i>notes</i>	photo	
<b>02</b>	<b>S08-1910</b>	image	gluteus	gross photo	
			<i>notes</i>	photo	
<b>03</b>	<b>S08-1910-12</b>	H&E	gluteal	medium power	
			<i>notes</i>		
		Web Viewer			
<b>04</b>	<b>S08-1910-12</b>	H&E	colon	low power	
			<i>notes</i>		
		Web Viewer			



Why



# Misfires



- ✦ limitation of web viewer
  - ✦ Flash issues
  - ✦ annotation issues
- ✦ security and cookies
- ✦ ease of use issues

# Misfires



- ❖ Mac and PC compatibility issues
  - ❖ web-based for Mac
  - ❖ not targeted at ImageScope users
- ❖ bookmarking database

# Misfires



- ✦ getting slides to Pathology Inc.
- ✦ getting WSI scans to pathologists
  - ✦ separate storage option not feasible
    - ✦ TAT deadlines
    - ✦ limited FTEs
- ✦ data entry into Spectrum



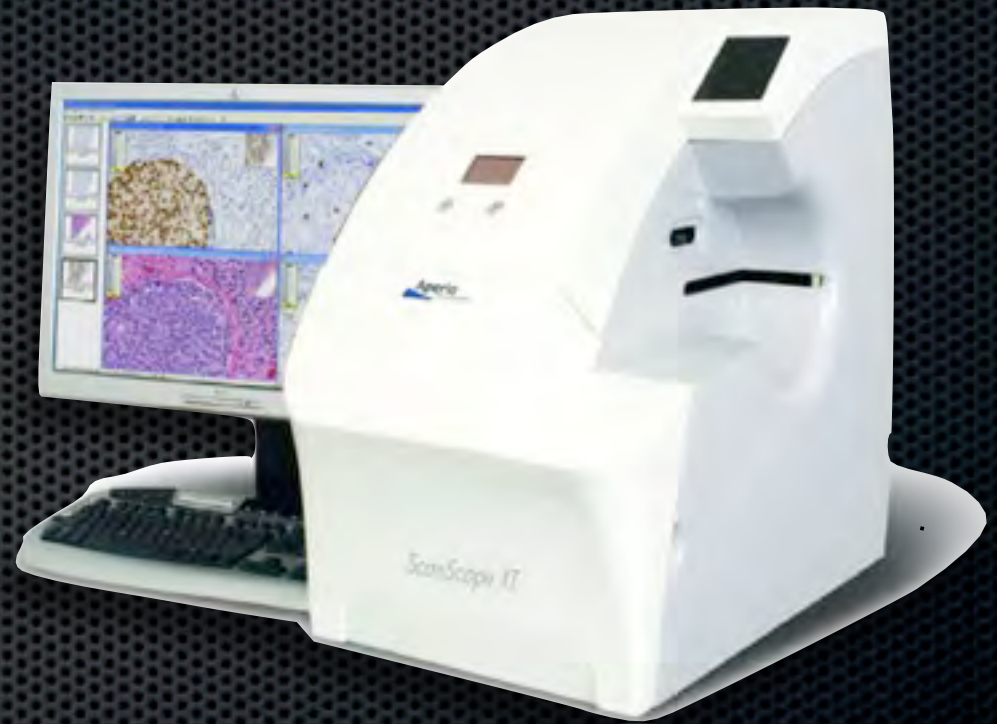
# Tough to Bring Water to Elephants

AFFILIATED  
PATHOLOGISTS  
MEDICAL  
GROUP



 **Pathology Inc.**  
a Medical Corporation

# Time and Personnel



- ✦ no dedicated FTE
- ✦ Spectrum data input

# Take Two





# Take Two



# Disintermediation

remove the middle man

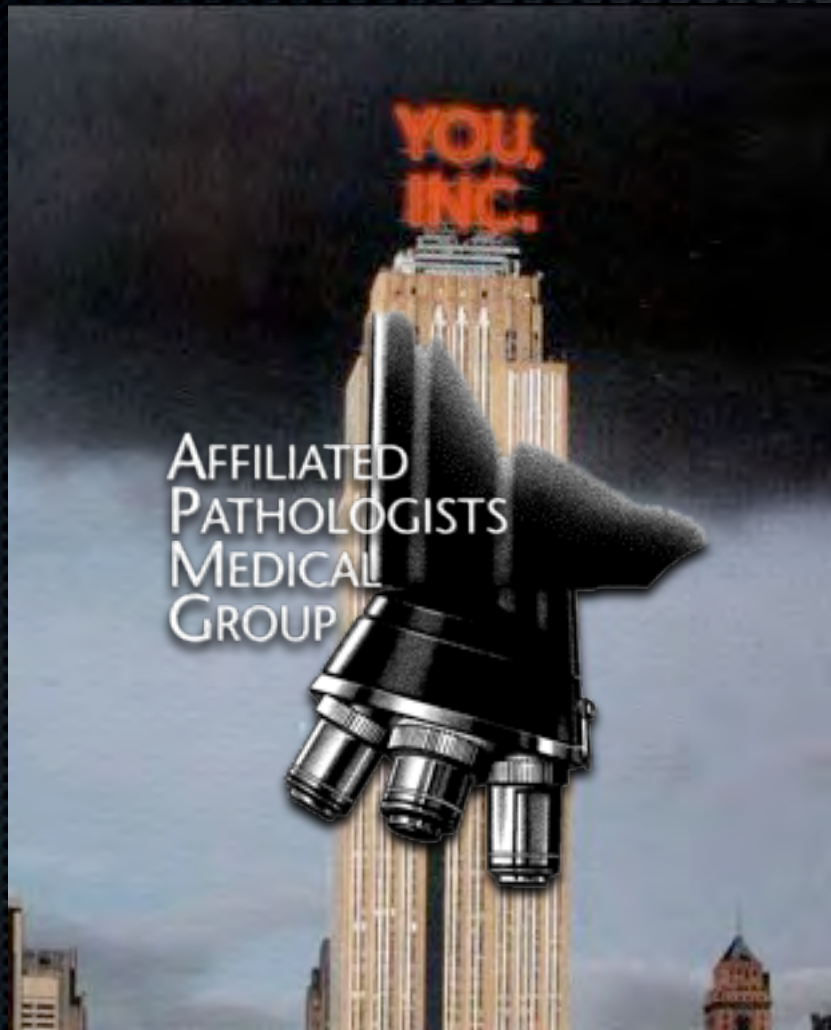


# Disintermediation

A photograph of an elephant walking on a sandy beach. The elephant is holding a red umbrella in its trunk. In the background, there are two palm trees and a clear blue sky with some clouds. The ocean is visible in the distance. The water in the foreground is clear and blue.

**Bring the Elephant to the Water**

# Workflow



 **Pathology Inc.**  
a Medical Corporation

# Workflow

## Remote Pathologist



PathLabel Software

Pathology Inc.

# Workflow

## Remote Pathologist



PathLabel Software



email label file

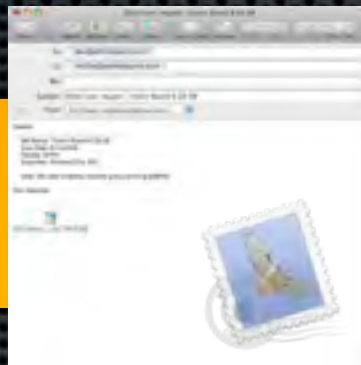
Pathology Inc.

# Workflow

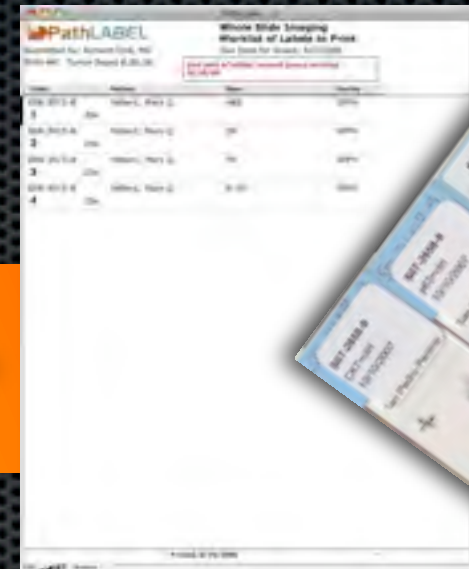
## Remote Pathologist



PathLabel Software



email label file



print worksheet and send glass slides

Pathology Inc.

# Workflow

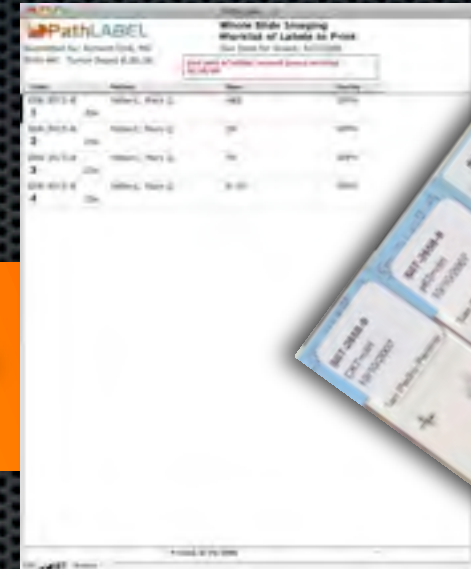
## Remote Pathologist



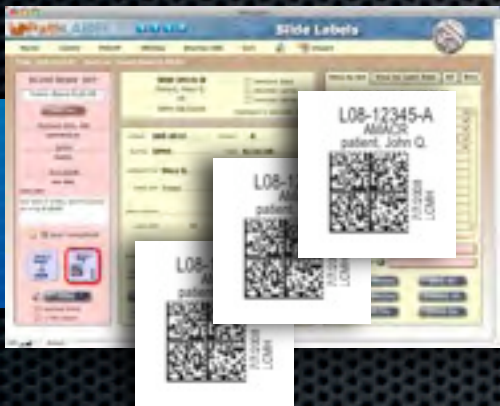
PathLabel Software



email label file



print worksheet and send glass slides



load file and print labels

Pathology Inc.

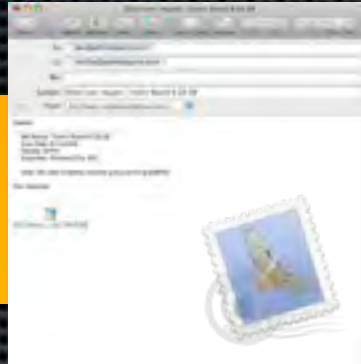


# Workflow

## Remote Pathologist



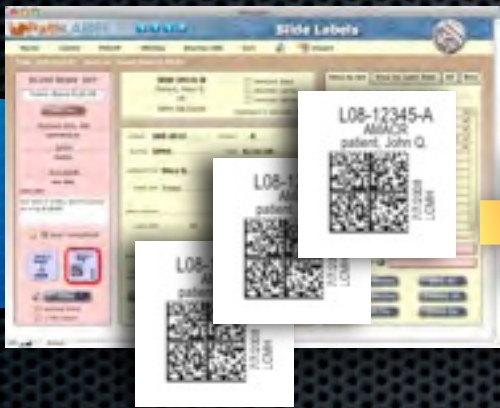
PathLabel Software



email label file



print worksheet and send glass slides



load file and print labels



scan slides  
email completion notice  
to remote client

Pathology Inc.

# Workflow

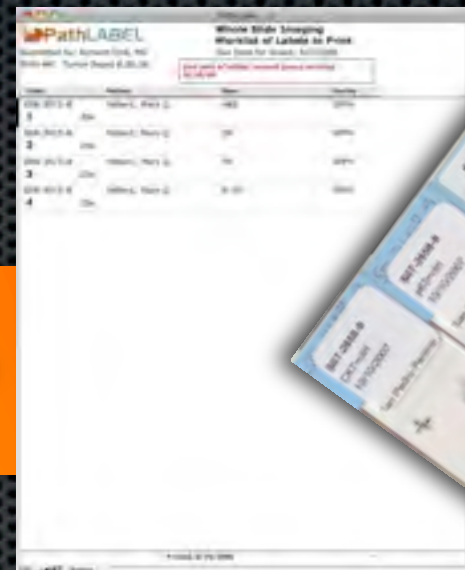
## Remote Pathologist



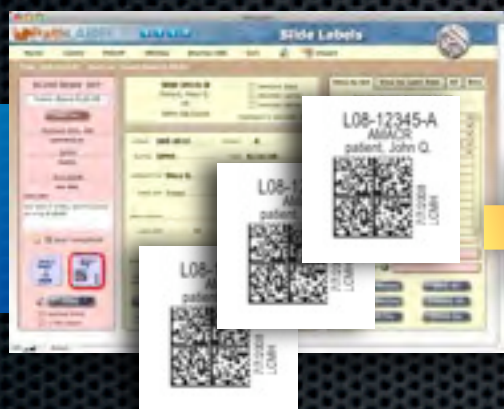
PathLabel Software



email label file



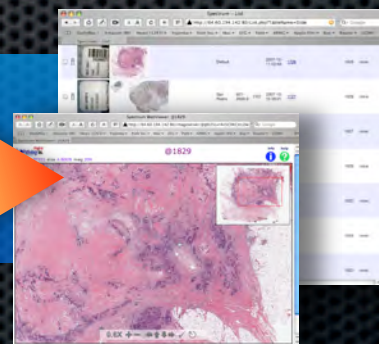
print worksheet and send glass slides



load file and print labels



scan slides  
email completion notice  
to remote client



slides available  
for viewing

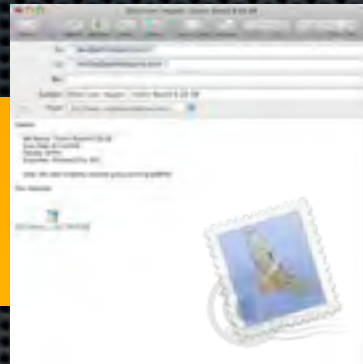
Pathology Inc.

# Workflow

## Remote Pathologist



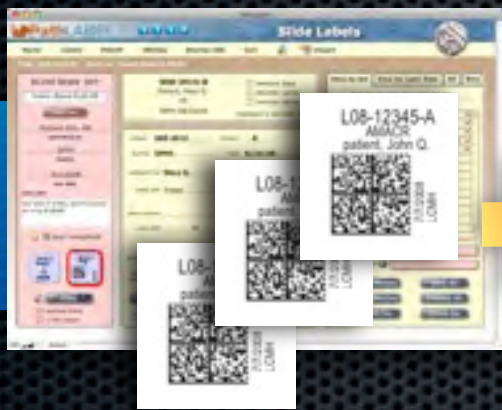
PathLabel Software



email label file



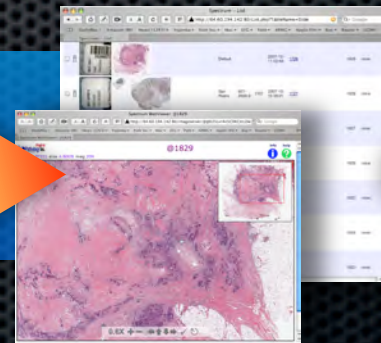
print worksheet and send glass slides



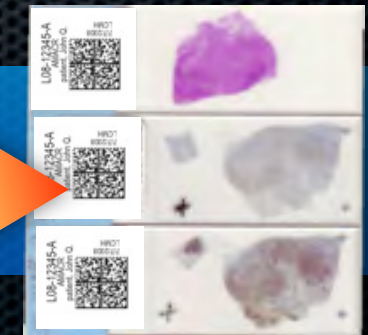
load file and print labels



scan slides  
email completion notice  
to remote client



slides available  
for viewing

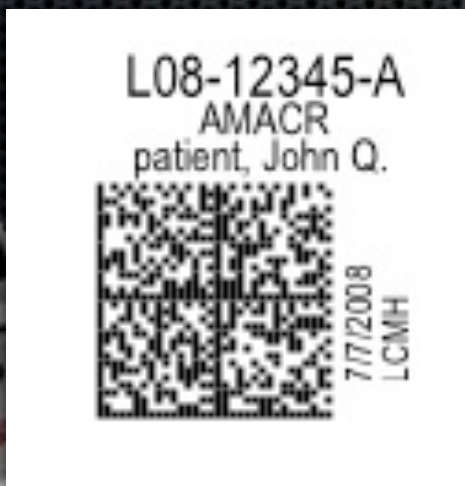


barcoded slides  
returned

Pathology Inc.

# PathLabel

- create 2D barcodes (datamatrix) for Aperio system



PathLabel

**Share WSI**

Home Labels PathIP Utilities Share WSI Quit Import

### Breast C1 9-2-08

All Slide Sets Submitter Facility Due Dates

set name	due date	facility	submitter
Breast C1 9-2-08	9/2/08	SPPH	Richard Lile, MD
Mena	9/2/08	PathLab	Eric F. Glassy, MD

**Breast C1 9-2-08**  
Patient Members: 15)

patient/slide ID	folder/ID	URL	thumbnail
Martell, Paul. 508-1921-1 H&E	2008-08-30 2774	\\sp1240-dsr\images\2008-08-30\2774	
Martell, Paul. 508-2054-1 H&E	2008-08-30 2775	\\sp1240-dsr\images\2008-08-30\2775	
Miller, Marion. 508-1686-1 H&E	2008-08-30 2776	\\sp1240-dsr\images\2008-08-30\2776	
Miller, Marion. 508-2169-6 H&E	2008-08-30 2778	\\sp1240-dsr\images\2008-08-30\2778	
Remington, D. 10-7169-1 E3	2008-08-30 2780	\\sp1240-dsr\images\2008-08-30\2780	
Remington, D. 10-7169-1 H&E	2008-08-30 2779	\\sp1240-dsr\images\2008-08-30\2779	
Sanperio, Maria. 0508-2770-D H&E	2008-08-30 2773	\\sp1240-dsr\images\2008-08-30\2773	
Stipicevich, V. 508-2162-A1 H&E	2008-08-30 2781	\\sp1240-dsr\images\2008-08-30\2781	

**SIS Files**

A collection of images from a single patient. Requires ImageScope software.

**Email Links**

Email URL links to digital images from one or more patients.

**HTML Web Page**

Create a web page of links to digital images. The page includes thumbnail images and descriptions.

**PDF Document**

Create PDF documents of digital images that include web links, thumbnail images, and descriptions. Files can be password protected.

100 Browse  
100 Browse

# Video Demo

# Kickoff Promotion





AFFILIATED  
PATHOLOGISTS  
MEDICAL  
GROUP



# Product Evolution



Darwin



# Additional Features





# Web Page Sharing

# Consultations

- ✦ notification
- ✦ dictation
- ✦ billing

# Utilities



- ✦ tiny URL
- ✦ SIS file creation

# Delivery Methods

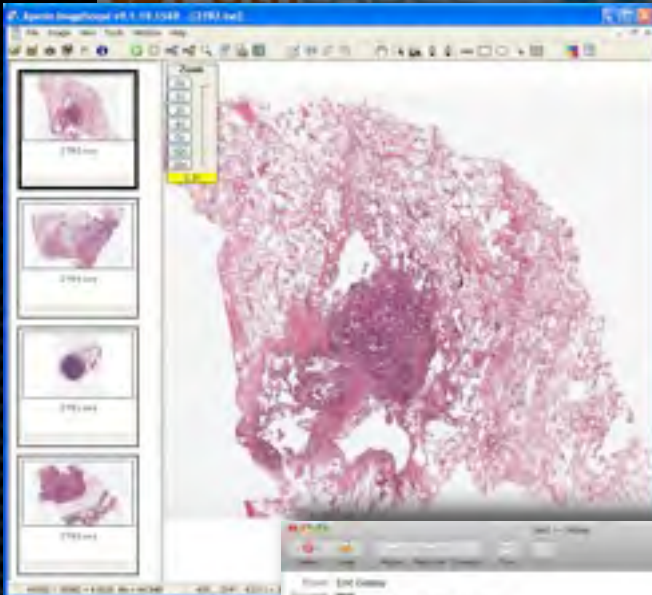
- ✦ PDF
- ✦ SIS files
- ✦ HTML email
- ✦ Web Page



# Share WSI

Share WSI

Quit



**Breast C1 9-2-08**  
Patient Members: (5)

patient/slide info	folder/ID	URL	thumbnail
Martell, Paul. 508-1921-1 H&E	2008-08-30 2774	\\vap1240-dsr\images\2008-08-30\2774	
Martell, Paul. 508-2094-1 H&E	2008-08-30 2775	\\vap1240-dsr\images\2008-08-30\2775	

**Pathology Inc. Case Study**

Digital whole slide images from patients DR, 40X, P&H

- Patient PM / 508-1921-1 / H&E / Case 1 Description (images at 40X magnification)
- Patient PM / 508-2094-1 / H&E / Case 2
- Patient MM / 508-1986-1 / H&E / Breast, right LUT
- Patient MM / 508-1986-1 / H&E / Breast, right LUT
- Patient MM / 508-2094-1 H&E / Breast, right LUT
- Patient DR / LO-1986-1 / DR / Breast, left LUT

Dr. F. O'Connell, M.D.  
Medical Director, Pathology Inc.  
100-226-2270 (Columbus)  
610-219-8804 (Dallas)  
610-843-4261 (Tampa)  
Pathology Inc.

**PathLIVE**

**Case Presentation**

Diagnostic Diagnosis for the cases

Clinical Information - Information about these cases

Notes and comments about the cases

Digital Whole Slide Images (click on link to view in web browser or ImageGazer)

Case	Description of slide	View
Martell, Paul 508-1921-1 H&E		<a href="#">View Case</a>
Martell, Paul 508-2094-1 H&E		<a href="#">View Case</a>
Miller, Martin 508-1986-1 H&E		<a href="#">View Case</a>
Miller, Martin 508-1986-1 H&E		<a href="#">View Case</a>
Miller, Martin 508-2094-1 H&E		<a href="#">View Case</a>
Miller, Martin 508-2094-1 H&E		<a href="#">View Case</a>

**case 1**

This is a 40 year old Filipino woman who presents with multiple suspicious radiofoci on her mammogram.

**Radiology**

**Pathology**

**Diagnosis**

Pathology Inc. Columbus, Ohio  
October 19th, 2007

**PDF Document**

Create PDF documents of digital images that include web links, thumbnail images, and descriptions. Files can be password protected.

A photograph of two elephants on a sandy beach. The elephant on the left is holding a piece of wood in its trunk. The elephant on the right is also holding a piece of wood. In the center of the image, the word "Demo" is written in a large, white, sans-serif font with a slight shadow. The background shows the ocean waves and a clear sky.

# Demo



Sharing via PDF





Designed & Programmed by Eric F. Glassy, MD

# Glass Slide Label Printing & Data Management

## Video Demo



Create Labels

Utilities

PathIP

### Plugins

- Troi URL Plug-In 2.0.3
- Troi File Plug-In 4.5.1
- PrinterSwitch 1.7.1.0
- ?

SMTPit Pro v.4.1.1  
Registered to: Pathology Inc.; for a  
Unlimited Developer's License.

Program version 1.9 beta



## Breast C1 9-2-08

toolbar  thumbnail Date: 9/6/2008   Recipient: Eric F. Glassy, MD   [efglassywd@mac.com](mailto:efglassywd@mac.com)

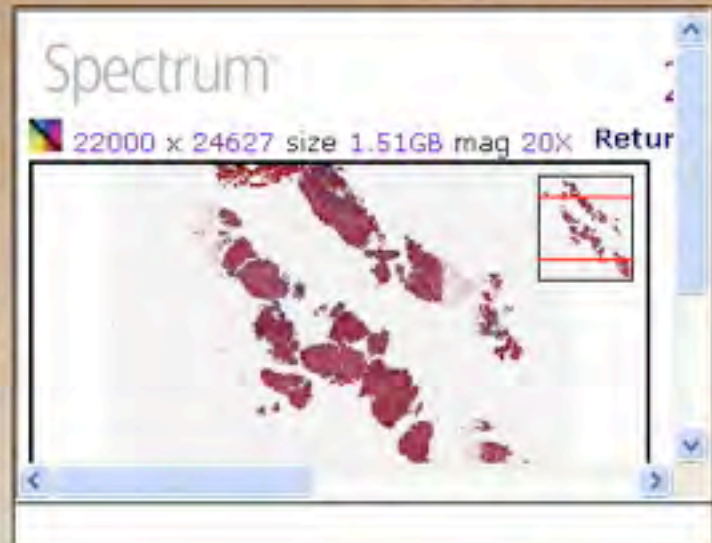
Header: PathLIVE   PDF Name: sample   Facility: SPPH

Title: Title of PDF Set of Slides

Clinical Hx: Information about the case

Di: this is the diagnosis

Notes: notes and comments about the case



## Video Demo

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	patient	slide#	stain	body site	slide description	Webviewer short URL	ImageScope short URL	Include
	Remington, Dorothy	L0-7169-1	H&E	breast, left		<a href="http://is.gd/2j6P">http://is.gd/2j6P</a>	<a href="http://is.gd/2j6Q">http://is.gd/2j6Q</a>	<input type="checkbox"/>
	Samperio, Maria	DS08-2770-B	H&E	breast, left	Description of slide	<a href="http://snipurl.com/3nys3">http://snipurl.com/3nys3</a>	<a href="http://snipurl.com/3nys4">http://snipurl.com/3nys4</a>	<input type="checkbox"/>
	Stipicevich, Vjekoslav	S08-2162-A1	H&E	lymph node, sentinel		<a href="http://is.gd/2j6R">http://is.gd/2j6R</a>	<a href="http://is.gd/2j6S">http://is.gd/2j6S</a>	<input checked="" type="checkbox"/>
	Stipicevich, Vjekoslav	S08-2162-C4	H&E	lymph node, sentinel		<a href="http://is.gd/2j6T">http://is.gd/2j6T</a>	<a href="http://is.gd/2j6U">http://is.gd/2j6U</a>	<input type="checkbox"/>
	Stipicevich, Vjekoslav	S08-2811-A18	H&E	lymph node, sentinel		<a href="http://is.gd/2j6V">http://is.gd/2j6V</a>	<a href="http://is.gd/2j6X">http://is.gd/2j6X</a>	<input type="checkbox"/>
	Stipicevich, Vjekoslav	S08-2811-A9	H&E	lung, rt. upper lobe		<a href="http://is.gd/2j6Y">http://is.gd/2j6Y</a>	<a href="http://is.gd/2j6Z">http://is.gd/2j6Z</a>	<input type="checkbox"/>

FINAL - CORRECTED Report

# IHC REPORT

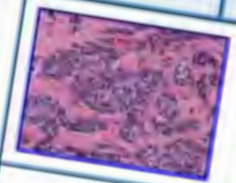
August 31, 2009



Pomona Valley Med Ctr  
1798 N. Garey Avenue  
Pomona, CA 91767  
Phone: (909) 865-9500

PATIENT Sattolo, Patient	PATIENT ID	DOB 1931-03-30	GENDER Female	AGE 76	PHYSICIAN Dr. Jones	PHONE
-----------------------------	------------	-------------------	------------------	-----------	------------------------	-------

HOSPITAL ACCESSION	ACCESSION NUMBER	SPECIMEN COLLECTED DATE 2009-08-22	RECEIVED DATE 2009-08-28	BODY SITE BREAST CA	PROCEDURE US core bx
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### H&E

Only invasive component scored

No HER2/neu slide for this specimen



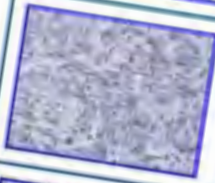
### ER

Score: 98.0828

Used computer assisted image analysis

Favorable

Analysis done on invasive components



### PR

Score: 5

Used computer assisted image analysis

Positive

Only invasive component scored



### Ki67

Score: 40.9911

Used computer assisted image analysis

Unfavorable

The percent positivity was performed on the invasive component.

Signature: Eric Glass

August 31, 2009 08:28 PM



# SIS Files



Patent\_V

# Video Demo





# Sharing via Email

PathLabel

**PathLABEL** **Share WSI**

Home Labels PathIP Utilities Share WSI Quit Import

### Breast C1 9-2-08

All Slide Sets Submitter Facility Due Dates

set name	due date	facility	submitter
Breast C1 9-2-08	9/2/08	SPPH	Richard Lile, MD
Mena	9/2/08	PathLab	Eric F. Glassy, MD

**Breast C1 9-2-08**  
Patient Members: 15)

patient/slide ID	folder/ID	URL	thumbnail
Martell, Paul. 508-1921-1 H&E	2008-08-30 2774	\\sp1240-dsr\images\2008-08-30\2774	
Martell, Paul. 508-2054-1 H&E	2008-08-30 2775	\\sp1240-dsr\images\2008-08-30\2775	
Miller, Marion. 508-1686-1 H&E	2008-08-30 2776	\\sp1240-dsr\images\2008-08-30\2776	
Miller, Marion. 508-2169-6 H&E	2008-08-30 2778	\\sp1240-dsr\images\2008-08-30\2778	
Remington, D. 10-7169-1 E3	2008-08-30 2780	\\sp1240-dsr\images\2008-08-30\2780	
Remington, D. 10-7169-1 H&E	2008-08-30 2779	\\sp1240-dsr\images\2008-08-30\2779	
Sanperio, Maria. 0508-2770-3 H&E	2008-08-30 2773	\\sp1240-dsr\images\2008-08-30\2773	
Stipicevich, V. 508-2162-A1 H&E	2008-08-30 2781	\\sp1240-dsr\images\2008-08-30\2781	

**SIS Files**

A collection of images from a single patient. Requires ImageScope software.

**Email Links**

Email URL links to digital images from one or more patients.

**HTML Web Page**

Create a web page of links to digital images. The page includes thumbnail images and descriptions.

**PDF Document**

Create PDF documents of digital images that include web links, thumbnail images, and descriptions. Files can be password protected.

100 Browse  
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# Video Demo



# Create Web Pages



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# Consultations

"SecondSlide improves turnaround time for consultations by eliminating glass slide logistics"

- Juan Rossi, MD

FREE  
SERVICE

### Background







 [Data Sheet](#)

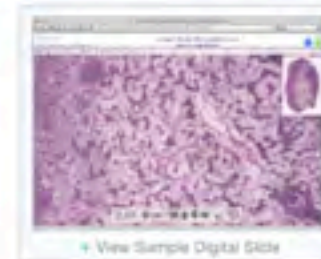
 [Application Sheet](#)

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### Free Digital Slide Sharing Service for Pathology

SecondSlide makes slide sharing easy:

-  Share slides with anyone you choose, regardless of geographical location
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-  Eliminate glass slide logistics
-  Provide pathology services to remote hospitals
-  Gain access to subspecialty expertise



[View Sample Digital Slide](#)

### SecondSlide Applications



Clinical



Research



Education

Please contact us with questions or [Sign Up for A Free Trial](#)

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# Video Demo

# Planned Enhancements



twitter



# Summary



- ✦ WSI in private practice
- ✦ Distermediation
- ✦ Expand WSI delivery





Wednesday, September 16, 2009

# Surf's Up!





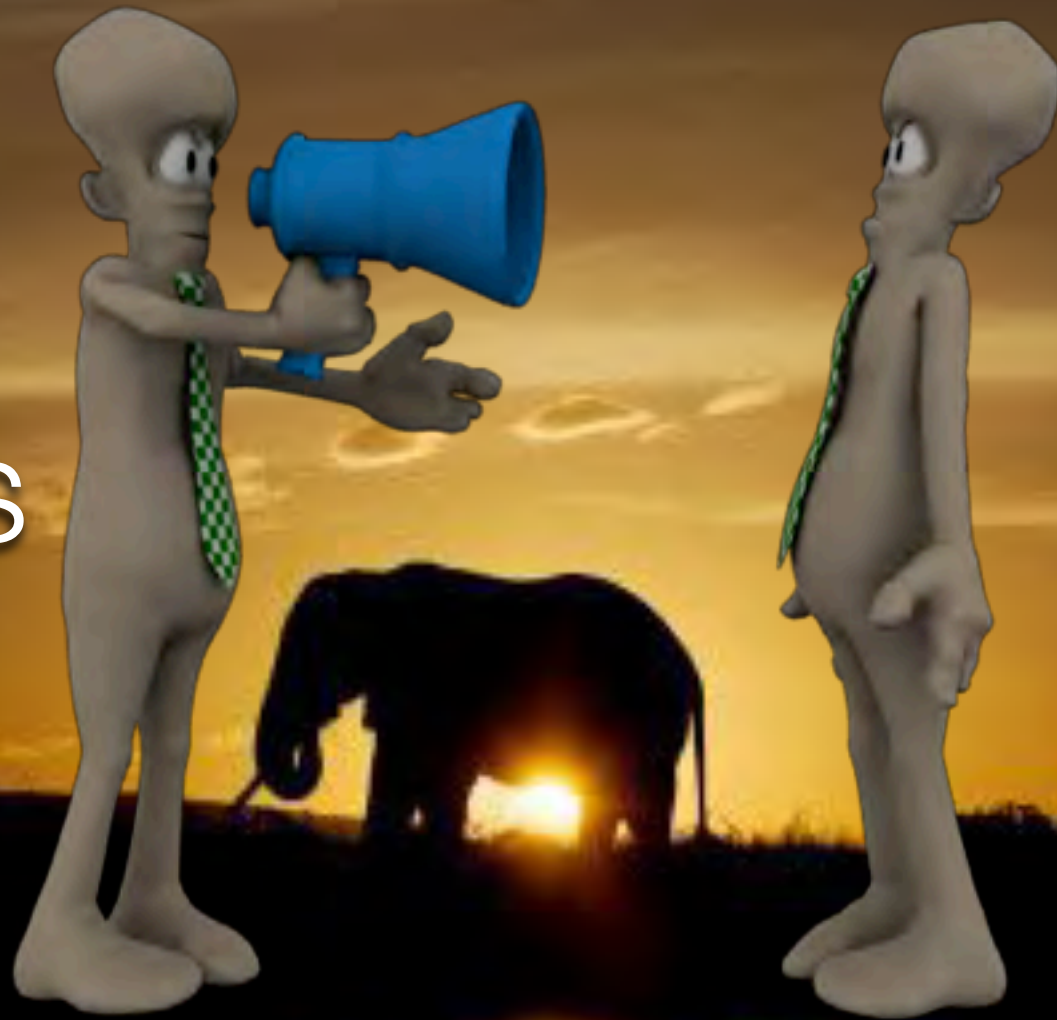
# Thanks



- ✦ Jerry Simons
- ✦ Carla Mezquita
- ✦ Sherri Heffner
- ✦ Jie Wu
- ✦ IT department at Pathology Inc.



# Questions



Eric F. Glassy, MD