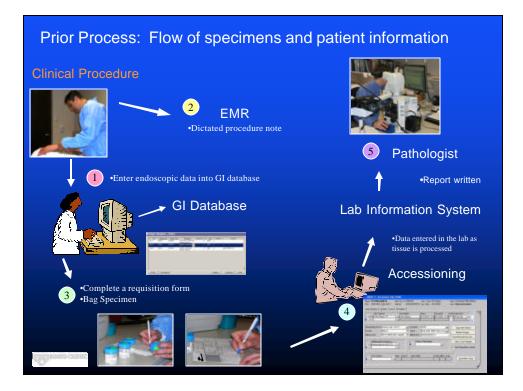






System details

- Practice Area
 - Single Laboratory
 - Hilton 10
- Practitioners
 - Pathologists, primary and secondary
- Allied Health Staff
 - Accessioning, secretarial, HTs
- Cases
- Procedures/Stains
- Databases



Specimen Management

System complexities

- Managing
 - Highest Quality
 - Guaranteed safety
 - High volume
 - Fast TAT
 - Numerous professionals
 - Varied databases
- Labeling errors



Specimen Management

Labeling error problems

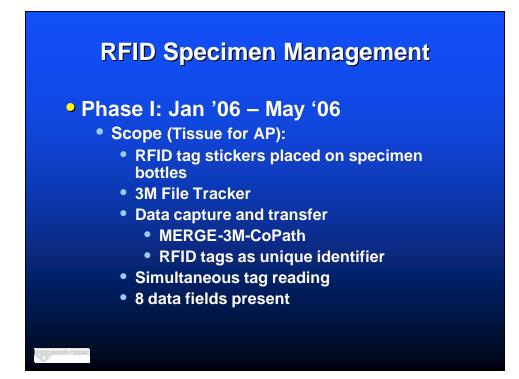
- Impact- Clinical Practice
 - Procedures delay
 - Corrective action/termination
 - Treatment confusion
 - SOP modifications

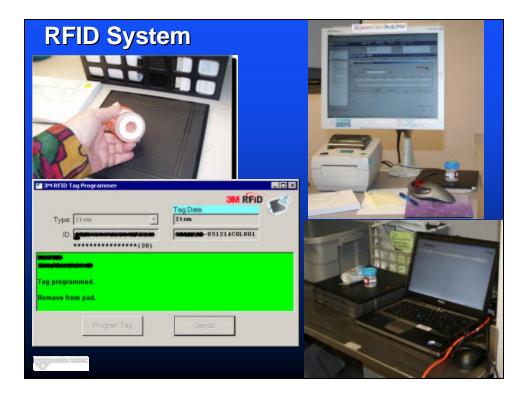


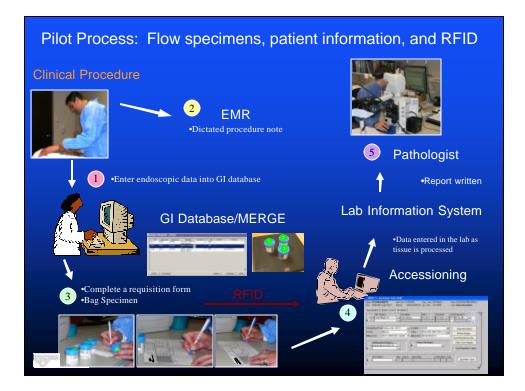
I Requesting CZAJA, ALBERT Endoscopist, Alexander, J. A.	Container ID: 49 years, F Feb-24-2005 J. (00047516)	for Surgical Path Date tioner: Pager No	ological Exam	SMH-M430 CH-8A
	y and the	an mequisiting) Pager N	0.	
A9 /F G095 27040506 phrst	History of: (Circle) PRIOR / CURRENT Chemotherapy Sterokis Non-steroidal anti-inflammatory Other drugs Other drugs Other drugs Inflammatory Matignancy - specity Ster Resection: Indication Date:		Clinical Impression: R/O Collagencus vs microscop Oysplasis UVC Barrent's S/P H, pytorl Rc Umphoma S/P H, pytorl Rc Umphoma Recurrent disease: specify Inflection Cubure done	
Specimen From: Organ	Specific Site:	Endoscopic Findi		Histology Use Only Aw
1. colon 2. colon 2.	terminal leen	hege	hay the	Spc o. 1 eno
5.				

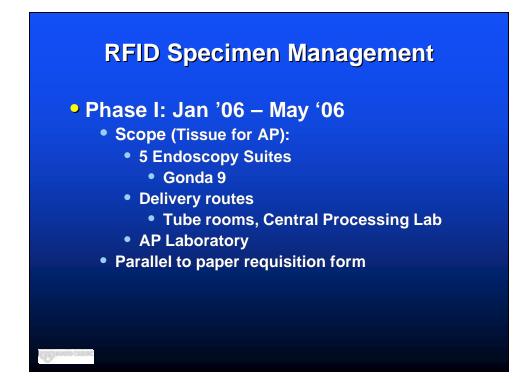
Golon Settle colon - Normal Requesting: ALEXANDER, JEFF Endoscopist Lazaricis, Konstanti	Container ID: 2 28 years, F Apr:19-2006 REY A. (00046640) mos. MD (47374)	Date tioner: Pager No. tioner: stingl Pager	No	ull Biopey Searce: SMH-M430 Christ PL Status Quipasient SMHMED
28 / F 28 / F 0.095 4/14/2006	History of: (Circle) PRIOR Chamotherapy Steroids Non-steroidal anti-inflamme Other drugs: Infaction: specify Infaction: specify Immunosuppressed Malignancy - specify StP Resection: Indication D		Colitis Dysplasis H. pylori Lymphon	a D S/P H, pylori Rx na D Immunostain sent na Prozen section t disease: specify
Specimen From: Organ	Specific Site:	Endoscopic Fin	dings	Histology Use Only
Colon Colon	illeum entire Colon	1000		305 0.3-0.4 805 0.2-0.4
tissure l	061	-	Time take	en: 13/5 inisials: JAPADA MC0189-01/m/CR

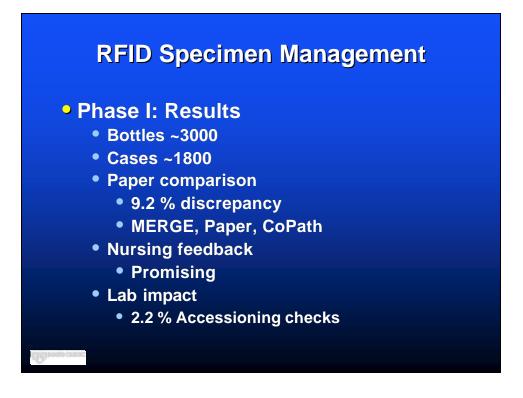
	Request	or Surgical Patho	logical Exam	GI Biopsy Suite:
	Body/Antrum - Normal Requesting CHAHAL PRABH Endoscopist Kamath P S, M	Contain 37 year Mar 17 ALEEN (12708311)	er ID s, F 2006	SMH-M430 CH-SA SMH-M430 CH-SA XGonda-9S Pt. Status XOutpatient SMHMED RMHMED
Conot write in this space 37/F G095 3/7/2006 gfrst	History of: (Circle) PRIOR / CURRENT Chemotherapy Steroids Non-steroidsl anti-inflammatory Coher drugs: Inflaction: specify Immunosuppresed Malignancy - specify S/P Resection: Indication Date:		Cfinical Impression: R/O Coltis Cotagenous vs microe Dysplasia CUC Barrett's XH. pylori H 2 S/P H. pylori Rx Lymphoma Immunostain sent Carcinoma Frozen section Recurrent disease: specify Inflection Quiture done X 3 Sprue H	
Specimen From: Organ	Specific Site:	Endoscopic Findin	igs	Histology Use Only
1.5m howel 2.5tamach 1.	duodenum Body Antrum	norma	I AI BI	4 Fingo 7 =0.3 m BERADO - 7-0.3 m SES
	1061		Time taken:	335 Initials: TP/ MODyRo-OTHEN

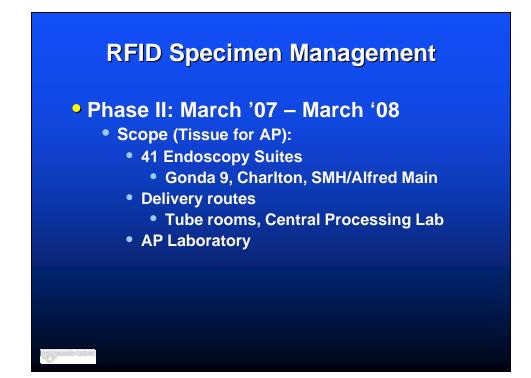


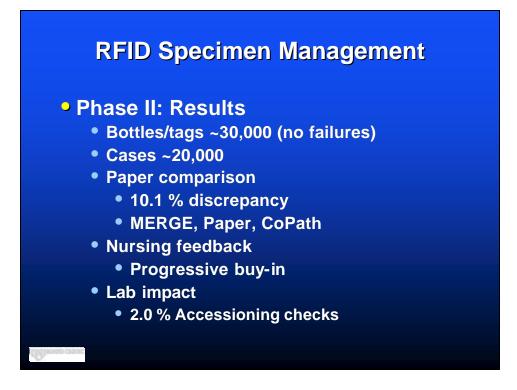




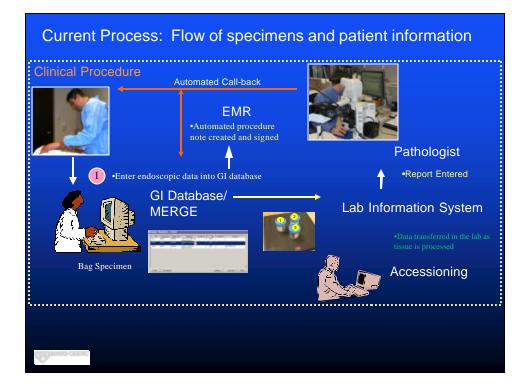




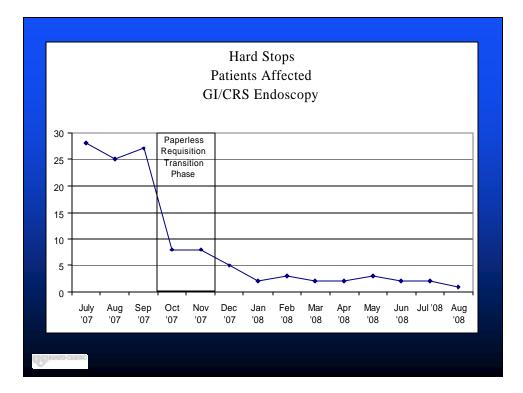








RFID Specimen Management • Phase II: Practice Improvements • Paper Requisition Elimination • Specimen labeling discrepancies • Letter to letter match • No abbreviations				
	<u>Q1 '07</u>	<u>Q1 '08</u>		
 Bottles- 	8231	8539		
 Defects- 	735	35		
 Error Rate- 	8.93	0.41		
 Process sigma- 	2.85	4.14		
●Q2 and Q3 '08 ●~16K bottles	with 32 disc	crepancies/defects (4.68)		



RFID Specimen Management Paperless

Phase II: Practice Improvements

- "Rule Out" request expansion
 - >45 clinical questions
 - Flexible/tailored by GI/CRS and AP
- First Transcription point emphasis
 - Redirection to endoscopist
 - Elimination of second nurse
- Institutional label standard
 - Complete compliance



Phase II: Practice Improvements

- Practice integration
 - Nurses' white book
 - Details specifications for specimens
 - CMV, KOH, Sprue, etc
 - Collaborations across Divisions
 - Microbiology
 - AP/Cytopathology
 - Endoscopy

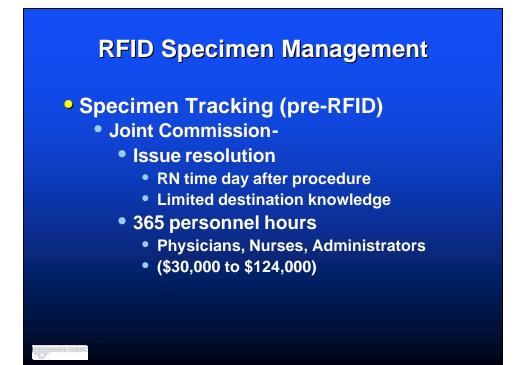
RFID Specimen Management Paperless

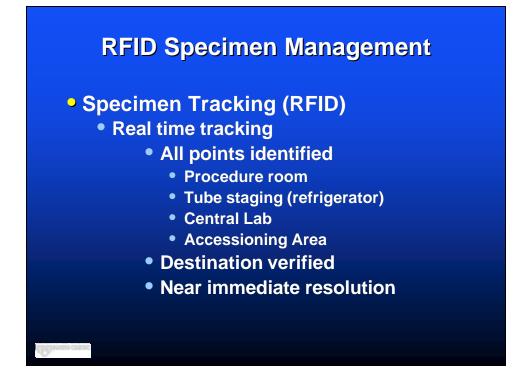
Phase II: Practice Improvements

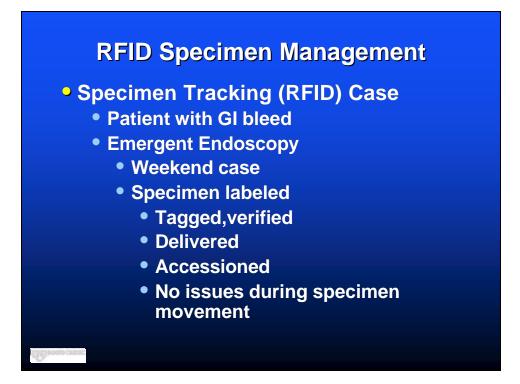
- Practice integration outcomes
 - All AP specimens RFID tagged
 - Unique specimens:
 - Endoscopic mucosal resections
 - Pancreas tru-cut biopsies
 - Refractory celiac disease

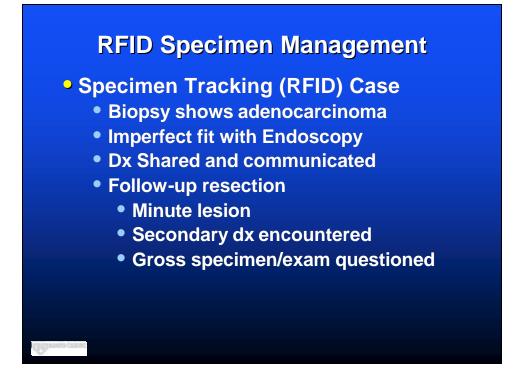


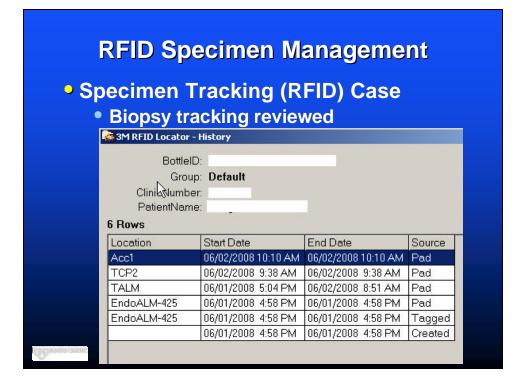


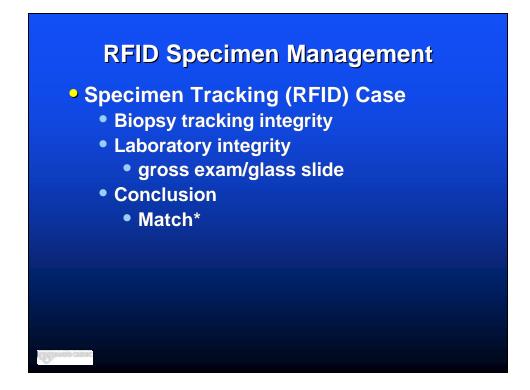


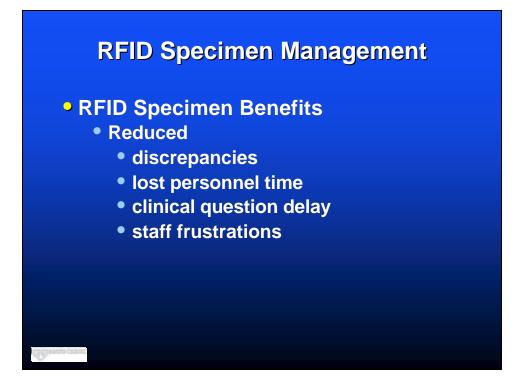


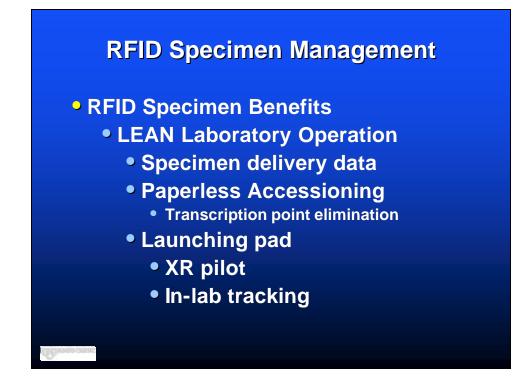














RFID Specimen Management

Next Steps

- Expand to capture all specimens in GI/CRS Endoscopy
 - Microbiology
 - Cytopathology
- Expand into Breast Imaging/Radiology
- Investigate enterprise solution
 - Mayo Clinic Scottsdale
 - Mayo Health System
- Expand software capabilities