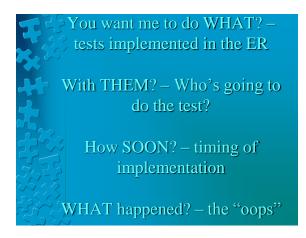


Introduction Karen Jenkins Point of Care Coordinator Emory Healthcare, Atlanta, Georgia Group of 6 Oversees hospitals, clinics, outpatient surgery, etc Tests – glucose, ACT, ABG, H. pylori, Troponin, INR, etc, etc







You want me to do WHAT? Troponin – New to facility Request made by docs TAT required cutoffs / medical decision points for the test? required accuracy and precision needed to treat the patient correctly 95% of the time? How is the test currently being provided. List any problems.

You want me to do WHAT? • Adequate space to perform the test • Who will perform the test? • Workload? • Willing to abide by POC / regulatory oversight? Contract?

You want me to do WHAT? • Argument for troponin is good enough to investigate further. • Now what?

You want me to do WHAT? • Look at all vendors • Evaluate all instruments with samples from main lab – at least 50 samples – spanning all ranges with concentration at medical decision levels – Discrepancies, Bias, Accuracy, Precision • Sample from "main" lab should read the "same" on chosen instrument

Early lesson learned Samples from the core lab tested for glucose should give the "same" result when tested in the ER, OR, doctors office or nursing unit. Continuum of Care

Instrument Comparison							
	Sample	Core Lab	Inst "A"	Inst "B"	Inst "C"	Comment	
	1	-/-	+/-	-/-	-/-		
لے	2	-/-	-/-	-/-	-/-		
	3	-/-	+/+	-/-	-/-	Unneeded trip to cath lab?	
\supset	4	-/-	-/+	-/-	-/-		
\Box	5	-/-	+/-	-/-	+/-		
	6	+/+	+/+	-/-	+/+	Sent home in error?	
5	7	+/+	-/-	-/-	+/+	Sent home in error?	
5	8	+/+	+/-	+/+	+/+		
5	9	+/+	+/+	-/+	+/+		
5	10	+/+	+/+	+/+	+/+		
PC 5 5 5							



They want this "cute" instrument						
~	Sample	Core Lab	CUTEST Inst "A"	CUTER Inst "B"	Inst "C"	Comment
1	1	-/-	+/-	-/-	-/-	
	2	-/-	-/-	-/-	-/-	
4	3	-/-	+/+	-/-	-/-	Unneeded trip to cath lab?
5	4	-/-	-/+	-/-	-/-	
ر	5	-/-	+/-	-/-	+/-	
	6	+/+	+/+	-/-	+/+	Sent home in error?
5	7	+/+	-/-	-/-	+/+	Sent home in error?
V	8	+/+	+/-	+/+	+/+	
5	9	+/+	+/+	-/+	+/+	
	10	+/+	+/+	+/+	+/+	

TESS	Instrument Chosen
***	manument Chosen
4.	FINALLY – A decision has been made.
	Now What?

Instr	rument Chosen
• Instrument de	
• Reagent deliv	
	instrument - Reassess
accuracy and	precision
• IQCP	STANDARD
Training	
Monitor	OPERATING
57543	PROCEDURE
W53	I KOCLDOKE
1335555 1335555	







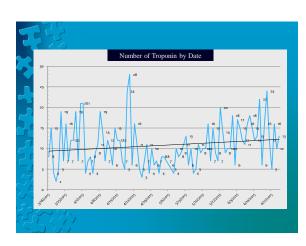


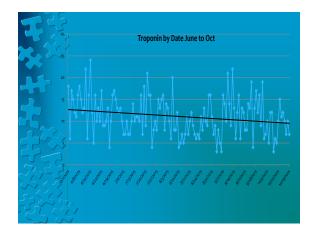
Implementation Steps • How many will be performed? • Only first troponin on every patient that needs one? • Only first troponin on subset of patients? • All troponin's on subset of patients?

Decisions Troponin – in the ER only Performed on a "subset" of chest pain patients Performed by Respiratory Therapists



Monitoring Number of tests performed Daily By shift By RT vs Nurses





7255					
Month	# Tests	# Days	Average Usage		
March 2015 (partial)	154	14	11.0		
April 2015	314	30	10.5		
May 2015	282	31	9.1		
June 2015	392	30	13.1		
July 2015	359	31	11.6		
August 2015	296	31	9.5		
September 2015	343	30	11.4		
October 2015 (to 19 th)	176	19	9.3		

Opportunities • Labels not generated for troponin like other lab test request • Hard to tell if there was an order / or if it had been collected

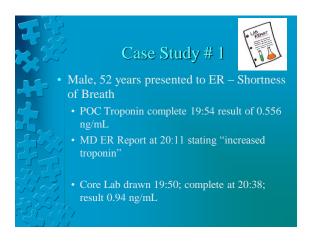
Possible Solution Order for POC Troponin triggers an icon in electronic medical record Icon indicates the sample needs to be collected Once sample is loaded onto analyzer, operator "completes" the icon indicating the test is running.

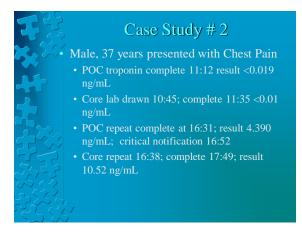
Barriers I don't trust that result. I want it bedside / I don't want it bedside I'm going to send a sample to the lab anyway Oh, wait, the lab value didn't match this one

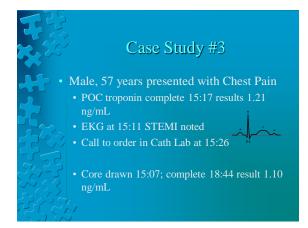
THE STATE OF THE S	
X SS	Correlations
•	March 2015
	• 70 patients performed in ER and Core Lab
مر	• 9 "different" results (12.9%)
25	• 2 repeated – correlated; no interferences
2	April 2015
25 4	• 49 patients
52,25	• 4 "different" results (8.2%)
55%	• Repeated 12 samples of varying levels
12555 12555	• Results correlated with previous results; no interferences; physicians were happy

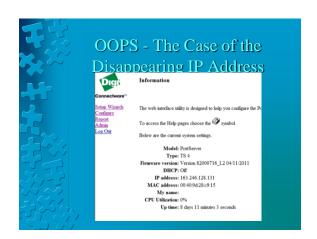
55° O	ppo	rtunit	ty #2	: Util	izatio	on
Date	Total Tests	POCT (Single)	POCT (Multiple)	POCT/ Core > 1h	POCT / Core < 1h	Core prior POCT
May Totals	65	18 (27.7%)	3 (4.6%)	28 (43.1%)	10 (15.4%)	6 (9.2%)
June Totals	95	31 (32.5%)	1 (1.1%)	41 (43.2%)	3 (3.2%)	19 (20.0%)
July Totals	79	29 (36.7%)	5 (6.3%)	27 (34.2%)	15 (19.0%)	3 (3.8%)
August Totals	51	18(35.3%)	1(2.0%)	22 (43.1%)	7 (13.7%)	3 (5.9%)
Sep Totals	88	32(36.4%)	16(18.0%)	34(38.6%)	3(3.4%)	3(3.4%)
Oct Totals	70	25 (35.7%)	9 (12.9%)	21 (30.0%)	15 (21.4%)	0
				/Core < 1hr		

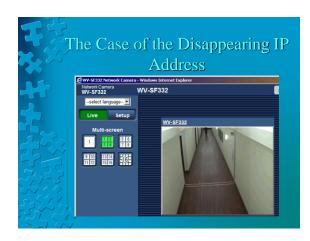
Instrument Implemented • Keep assessing • Troponin instrument to core lab comparison every six months













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	AACC CPOCT Division
	Trimark Conferences
	• Whitehat Communications Webinars

₹35 %	Moral of the Story
Life is sho	ort – have fun!
Smile – it	makes people wonder what's going
on!	
Point of C	are can be fun!
	Thank ou!