Improving Patient Care and Reducing Health Care Cost:
Addressing Utilization of Inpatient Renal US
Within 48 Hours of Abdominal CT/MRI

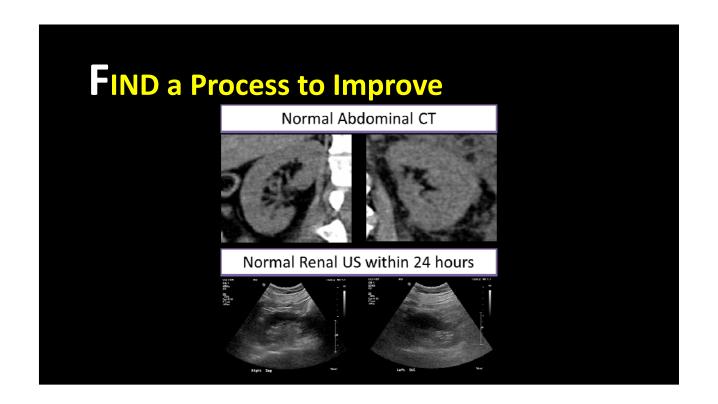
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**Department of Radiology** 









## **CLARIFY Current Knowledge**

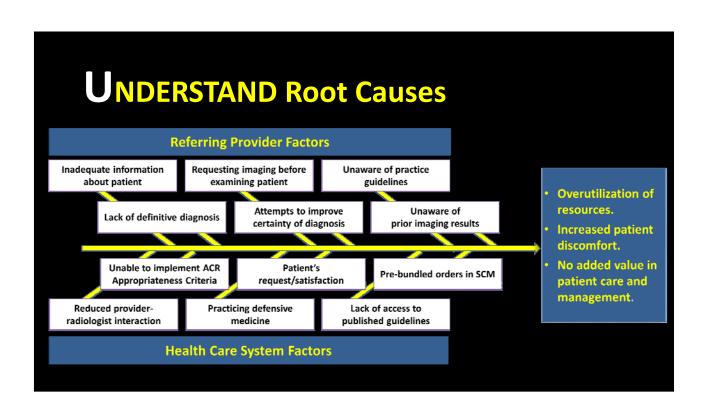
Retrospective data analysis (July – December 2016) of 204 inpatient renal US scans performed within 48 hours of Abdominal CT/MRI.

#### **INDICATIONS**

- Acute Kidney Injury (AKI) (72%)
- Flank pain (7%)
- Infection (4%)
- CT report recommendation (3%)
- Renal calculi (2%)
- Other (12%)

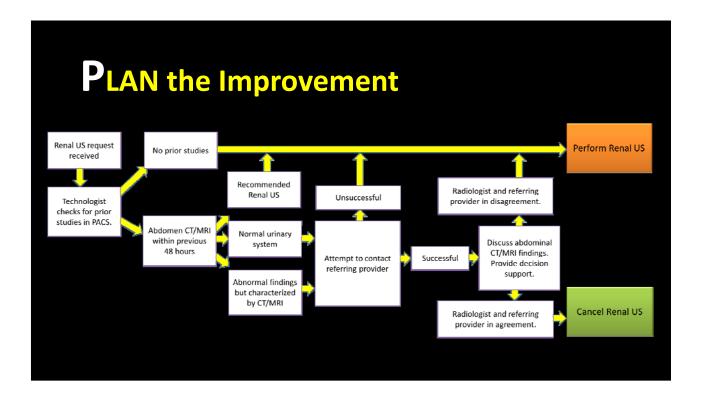
#### **ADDED VALUE**

- **95.2%** US yielded no additional clinical information to alter patient management
- 98.4% US provided no additional information when prior CT/MRI normal
- 100% US for AKI negative for hydronephrosis



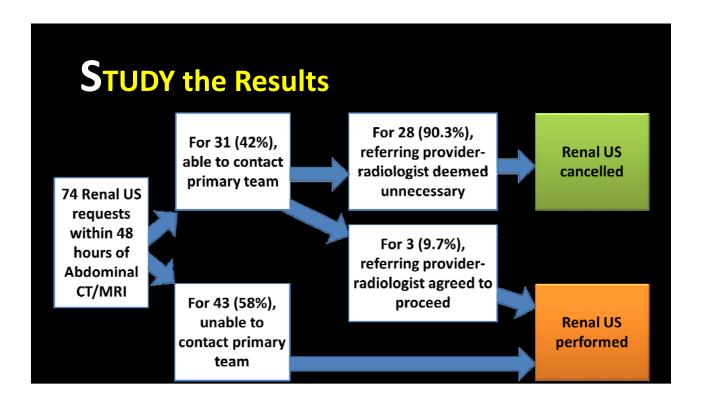
## **GOAL Statement**

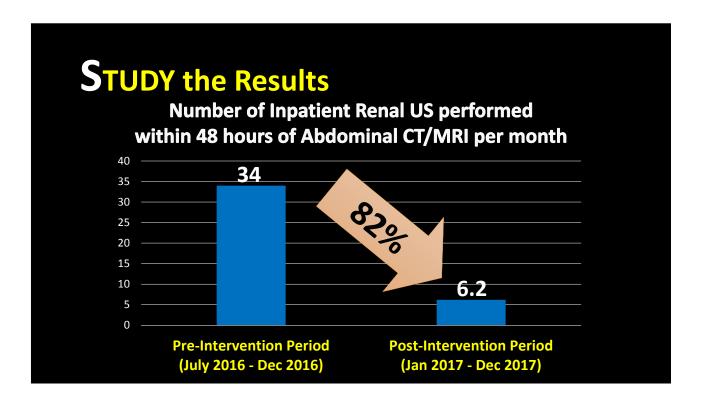
To <u>reduce</u> utilization of Inpatient Renal US within 48 hours of Abdominal CT/MRI by 50% over one year through a referring provider <u>"Call Back" program</u>



# Do the Improvement

For a period of 1 year (January 2017 – December 2017) Provider "Call Back" program implemented.





### **Next Steps**

- Continue to engage and educate referring providers in utilizing appropriate imaging.
- Promote referring provider-radiologist communication and provide evidence-based imaging decision support at point-of-care.

### Thank You!





