



Singapore Healthcare Management 2016

First do no harm in Endoscopy Procedures



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BACKGROUND/AIM

PRIMUM NON NOCERE or FIRST DO NO HARM

is a common mantra among healthcare professionals; hence there are quality indicators monitored by the Department of Quality Management by Specialty in our hospital.

One of these quality indicators is:

- Unscheduled admissions within 48 hours following all ambulatory procedures

However, most post endoscopy complications may occur after 48 hours¹.

Therefore, we decided to look into

- Unscheduled admissions within 8 days following all other ambulatory procedures.

This quality indicator is in-line with Joint Advisory Group on GI Endoscopy (JAG) Accreditation Standards for Endoscopy Departments in the United Kingdom².

METHODS

Retrospective analysis of "Unscheduled admissions within 8 days following all ambulatory procedures" within a period between April to September 2015 (6 months)

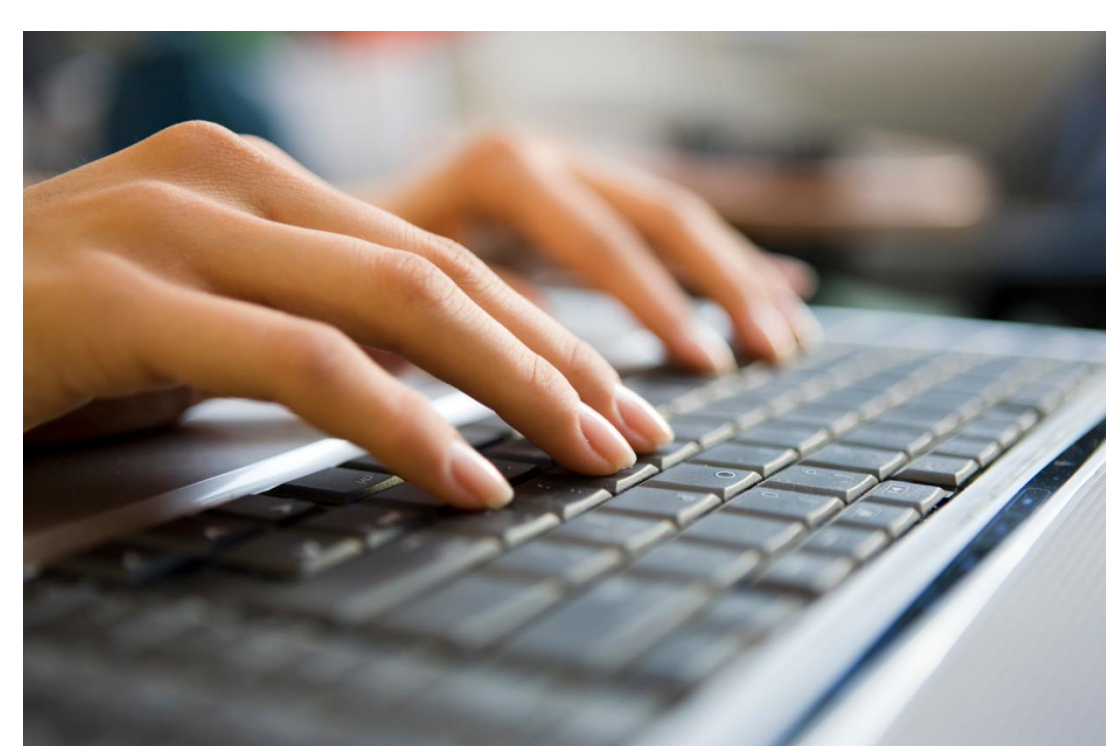


The details of the admissions were analyzed to see if they were due to known related adverse outcomes of the endoscopic procedures :

- Pneumonia
- Cardiac event
- Cholangitis
- Pancreatitis
- Delayed bleeding
- Perforation



Information collated from the above was compared to the previous metric of "Unscheduled admissions within 48 hours following all ambulatory procedures"



RESULTS

Number of all other ambulatory procedures done = 3593

Admissions within 48hrs post procedure	Admissions within 8 days post procedure
9/3593 (0.25%)	12/3593 (0.33%)

Complications	Number
Bleeding	5
Pancreatitis	2
Perforation	2
Pneumonia	1
Dislodged denture	1
Cholangitis	1

Extending to 8 days detected 2 more bleeds 1 Aspiration pneumonia

The new 8 day metric identified an additional 33% post-procedure complications

CONCLUSION

Extending the catchment period for adverse outcomes to 8 days post procedure can identify up to a third more complications than the previously used metric. This can aid in peer review learning to reduce post endoscopy complications.

References:

1. Complications of Gastrointestinal Endoscopy. J Green. BSG Guideline 2006
2. JAG Accreditation Standards & Evidence Requirements for all Sectors v1.4 March 2014