

Frequency of Post-ERCP Pancreatitis Correlated with Introduction of IV Fluids Pre-Procedure

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Introduction

From June 2019, the department introduced IV fluids for suitable patients as PEP prophylaxis in addition to Rectal Nsaids.

Aim of the Study

To review rates of post ERCP pancreatitis before and after introduction of IV fluid protocol for ERCP.

Methods

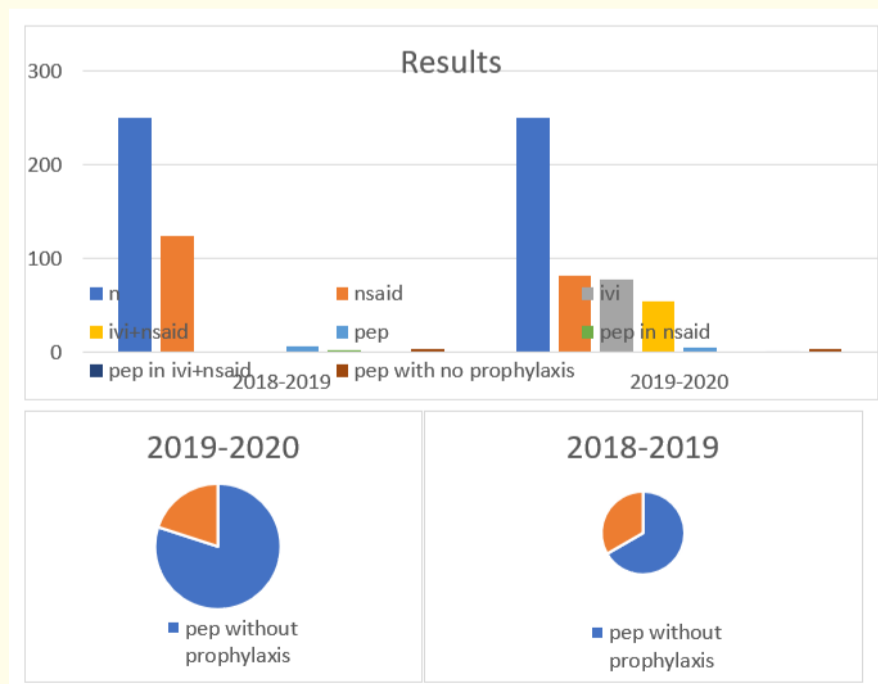
- Methodology: Retrospective Analysis of data between 2018 - 2019 and 2019 - 2020 through trust electronic system.
- 250 ERCP procedure data analyzed each between 2018 - 2019 (before introduction of IV fluid protocol) and 2019 - 2020 (after introduction of iv fluid protocol).
- PEP defined as per ESGE: As new or worsened abdominal pain combined with > 3 times the normal value of amylase or lipase at more than 24 hours after ERCP and requirement of admission or prolongation of a planned admission [4].

Results

PEP incidence down from 33% to 20% after introduction of IVI prophylaxis in addition to rectal prophylaxis.

Discussion

- Prophylactic rectal nonsteroidal anti-inflammatory drugs (NSAIDs) have been shown to significantly reduce the incidence of PEP.
- Recent RCTs have shown a reduction in PEP in average-to-high-risk patients with pre, peri- and post-ERCP hydration [1-3].



Bibliography

1. Park, *et al.* "Aggressive iv hydration with lactated Ringer's solution for prevention of PEP: a prospective randomized multicentre clinical trial". *Endoscopy* 50 (2018): 378-385.
2. Choi, *et al.* "Vigorous Hydration with Lactated Ringer's solution reduces the risk of pancreatitis after ERCP in hospitalized patients". *Clinical Gastroenterology and Hepatology* 15 (2017): 86-92.
3. Buxbaum, *et al.* "Aggressive hydration with Lactated Ringer's solution reduces pancreatitis following ERCP". *Clinical Gastroenterology and Hepatology* 12 (2014): 303-307.
4. <https://doi.org/10.1055/a-1075-4080>

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