

Analysis Of Reported Adverse Events Related to Over the Scope Clips: A MAUDE Database Analysis

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Background

Over-the-scope clips have been increasingly used in the management of bleeding, perforations, fistulae, and anastomotic leaks in the gastrointestinal tract Our study aims to report and analyze adverse events and device failures associated with over the scope clip systems using the FDA's Manufacturer and User Facility Device Experience (MAUDE)

database

Aims and Methods

• We analyzed the postmarketing surveillance data from the FDA MAUDE database of the two over-thescope clip systems available in the United States: The Padlock clip system [®] and the Ovesco[®] over-thescope clip systems from January 2013 through May 2022

Device

Failure of de

Other **Protrusion** o scope clip sy

Failure of po

Separation p

Detachment

Defective de

Total

- Forty med 2013 thro
- Adverse e patient-re
- Forty devi device-rel
- Most devi closure sy (n=8) and
- The most failure of protrusior
- The most esophage (n=3).

Tables		Tables
ce-related problems	Number	Adverse events in patients Number
levice activation	13 8	Perforation 4
or extrusion of over the system oositioning of the device problem t of the device levice component	7 5 3 2 40	Colonic stenosis2Local trauma1Pain1Gastro-gastric fistula1Pyloric stenosis1Recurrent abscess1Damage to colonic tissue1Ulcer at the stomach and pylorus junction1
Results		Conclusion
edical device reporting claims were found from January rough May 2022 e events were classified as device-related problems and related adverse events evice-related problems were reported, along with twenty related adverse events evice-related problems were reported in the Padlock defect system [®] (n=23), followed by the Padlock pro clip system [®] nd Ovesco [®] OTSC clip system (n=9) st common device-related problem was related to the of deployment of OTSC (n=13), followed by material fon or extrusion (n=7) ost common patient adverse events were perforation (n=4), geal laceration (n=4), bleeding (n=3), and luminal stenosis		 related adverse events, respectively The identification of common adverse events has the potential to optimize device design and patient outcomes It is important for the endoscopists to be mindful of the