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Therapeutic endoscopy in trauma

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Introduction: Therapeutic endoscopy has helped prevent many surgical procedures with the idea of minimally invasive surgery. It has demonstrated effectiveness in the bile duct and endoscopic ultrasound among others.

Objective: The problem of serious trauma patient is that they are usually treated at trauma hospitals where there is no such resource. On the other hand, where endoscopy is performed at high-level, no experience in the management of severe trauma patients does not warrant a quick response.

Materials & Methods: We present among others, a series of trauma cases, each distinct in the problem and all managed successfully with endoscopy, avoiding major surgical procedures. We present the experience of some cases in a 1st level trauma center hospital divided into four groups, which underwent gastro esophageal endoscopy (12 procedures), sigmoidoscopy (3), bronchoscopy (4) and endoscopy into gastrostomy (2). Among them, the cases were: A young patient with bleeding from diverticular disease, another patient with gastrostomy retrograde endoscopy, another one with intestinal perforations, one with failure to pass the tracheostomy tube (because of an anatomical variant modified by trauma), one with pyloric obstruction and reflux, and one with neck surgery fixing that did not allow the passage of nasoenteral tube without endoscopic aid.

Results: All cases were resolved with the help of the endoscope.

Conclusion: Therapeutic endoscopy in trauma should be part of the armamentarium of the hospitals where trauma patients are cared.

Biography

Luis Hernandez-Higareda completed his Pre-grade in Biological Sciences from Cyto-histopathology Clinic and Medicine from Faculty of Medicine at the University of Guadalajara. He did his Post-graduation in Intensive Care, Clinical Epidemiology, and Master of Surgery from National Medical Center West, Mexican Social Security Institute (IMSS) from University of Guadalajara. He has undergone training in Gastrointestinal and Airway Endoscopy and Thoracoscopy, National Medical Center La Raza, IMSS, National Autonomous University of Mexico (UNAM). He completed courses on General Surgery and Endoscopic Ultrasound from XXI Century National Medical Center IMSS, UNAM. He got trained in Surgery of Trauma from Trauma Hospital Lomas Verdes IMSS, UNAM.

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