

## Laparoscopic Repair of Colorectal Perforations Induced by Compressed Air Pressure: A Case Report

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### Abstract:

A compressed air nozzle has the potential to result in lethal injuries when handled inappropriately. Owing to the rarity of colorectal perforations due to barotrauma, no clear pathway to managing them has been established. We report an incident of a 33-year-old male patient who presented with tension pneumoperitoneum due to rectosigmoid perforations after being subjected to transanal compressed air insult. An emergency laparoscopic exploration with primary repair of the rectal perforation and Hartmann procedure were performed resulting in a smooth postoperative course. We hereby conclude that laparoscopy is a safe and effective approach associated with faster recovery and fewer adverse events.

### Keywords:

laparoscopy, colorectal perforation, compressed air, tension pneumoperitoneum, barotrauma, workplace injury