

ESD in early colorectal cancer using flush knife BT first case in National Cancer Institute Thailand

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Backgrounds: LSTs (Lateral Spreading Tumors) of colon that has a feature potential risk to be colorectal cancer which a standard treatment is enbloc resection. Endoscopic Submucosal Resection (ESD) has a great potential to achieve complete resection. There are many equipment to use for this procedure but in Thailand there is no report about flushknife BT we aimed to perform ESD by flushknife BT and looked for outcome.

Method: 51- years- old Male with colonoscopic finding was LST-non granular type 3 cm at ascending colon .The Magnify endoscopic observation revealed KUDO pit pattern type IV and Vi .After general anesthesia was conducted ,the patient was posed in left lateral decubitus position .High-magnification Endoscope (fujinon 600ZW) with transparent hood was used in the procedure. Hyaluronic acid (GO-ON®) in 0.2% solution concentration was selected as mucosal lifting solution .After achieve good lifting the flushknife BT was used for mucosal dissection. The advantage of flushknife is having water flushing function to add fluid cushion. The procedure time was 160 min. No complication was detected after procedure. The pathology finding was well-differentiated adenocarcinoma and histology resulted well-differentiated adeno CA, 0-Isp 30 mm Pm(LM),ly0,V0,LM0 HM0. The patient was uneventfully discharged on post-procedural day 5.

Conclusion: ESD using Flush knife BT is effective and feasible for colorectal LSTs (Lateral Spreading Tumors).