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Mike Thomson [4]

Nadeem Ahmad Afzal [2]

Abstract

Methods to assess, access and treat pathology within the gastrointestinal (GI) tract continue to evolve with video endoscopy replacing radiology as the gold standard.

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Non-invasive methods of performing GI anastomosis may help improve their outcome ... We present cases to illustrate the use of magnet compression anastomosis. ... locations either endoscopically or percutaneously with an external magnet.

[PDF] Implanted electronic devices at endoscopy - American Society for ...
www.asge.org/assets/0/71312/71314/fc003054-780b-40a4-a6a3-e54f253afe5f.pdf
Placement of a ring magnet directly over a pacemaker site forces a continuous ... After endoscopic procedures that include the use of a ring magnet ... should minimize risk and enhance patient safety. ... Electrocautery use during GI endoscopy.

Neodymium Magnets: Too Attractive? - Medscape
www.medscape.com/viewarticle/821835
12 Mar 2014 ... However, in the past few years, there has been an increase in older children ... been attributed to an increase in the use of these magnets as .body jewelry. and ... [12-14] Gastrointestinal endoscopy was performed for magnet....

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M Sendoh, K Ishiyama, KI Arai - Magnetics, IEEE Transactions ..., 2003 - ieeexplore.ieee.org

... SENDOH et al.: FABRICATION OF MAGNETIC ACTUATOR FOR USE IN A CAPSULE ENDOSCOPE ... A capsule endoscope with moving function would be achieved by a slight increase of its volume. ... A magnetic actuator composed of a magnet and a spiral struc- ture could move ...

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... Remote control movement will improve with the use of magnets and/or electrostimulation and perhaps ... almost always able to retrieve the capsules from the stools using a net and a magnet. ... The increasing use of these resources and the comfort and ease with which some of ...

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Remote magnetic manipulation of a wireless capsule endoscope in the esophagus and stomach of humans (with)

P Swain, A Toor, F Volke, J Keller, J Gerber... - Gastrointestinal ..., 2010 - Elsevier

... in the capsule, which are not perfectly oriented, can be recruited as the external magnet rotates ... The distance between the 2 magnets would be a real disadvantage if such a system were ... The aim of developing this system, of course, would be to use the magnetic capsule without ...

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P Valdastri, M Simi, RJ Webster III - Annual review of biomedical ..., 2012 - annualreviews.org

... in imaging and software analysis (including fecal tagging and fluid subtraction) have enhanced the clarity ... The catheter is designed for single use, whereas the camera is reusable and is mounted into ... The external magnet was held by a 7-DoF robotic arm controlled in real time ...

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