Wireless motility capsule in the diagnosis and evaluation of gastroparesis or slow-transit constipation

BlueCross BlueShield Association

Record Status
This is a bibliographic record of a published health technology assessment. No evaluation of the quality of this assessment has been made for the HTA database.

Citation

Authors' objectives
The objective of this assessment is to determine whether the wireless motility capsule (SmartPill®) improves health outcomes when used in the diagnosis and evaluation of gastroparesis and constipation, in patients presenting with clinical symptoms of those conditions.

Authors' conclusions
The limited body of evidence on the diagnostic characteristics of SmartPill® does reveal correlations between SmartPill® and other tests that indicate some capability to distinguish diseased from nondiseased persons. However, because of the types of subjects included in the studies, particularly healthy patients, and the lack of a reference standard for the disease of interest (slow-transit constipation) in some studies, the diagnostic characteristics of SmartPill® are uncertain. There are no studies that ascertain whether use of the SmartPill® in addition to or instead of alternative methods of diagnosis improves patient outcomes.

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