

Colonoscopy

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Colonoscopy is the endoscopic examination of the large colon and the distal part of the small bowel with a CCD camera or a fiber optic camera on a flexible tube passed through the anus. It may provide a visual diagnosis and grants the opportunity for biopsy or removal of suspected lesions. Virtual colonoscopy, which uses 2D and 3D imagery reconstructed from computed tomography scans or from nuclear magnetic resonance scans, is also possible, as a totally non-invasive medical test, although it is not standard and still under investigation regarding its diagnostic abilities. Furthermore, virtual colonoscopy does not allow for therapeutic maneuvers such as polyp/tumor removal or biopsy nor visualization of lesions smaller than 5 millimeters. If a growth or polyp is detected using CT colonography, a standard colonoscopy would still need to be performed. Colonoscopy can remove polyps smaller than one millimeter. Once polyps are removed, they can be studied with the aid of a microscope to determine if they are precancerous or not. Colonoscopy is similar but not the same as sigmoidoscopy. The difference between colonoscopy and sigmoidoscopy is related to which parts of the colon each can examine. Sigmoidoscopy allows doctors to view only the final two feet of the colon, while colonoscopy allows an examination of the entire colon, which measures four to five feet in length. Often a sigmoidoscopy is used as a screening procedure for a full colonoscopy. ([From the Wikipedia article Colonoscopy.](#))

Recent Publications on Colonoscopy:



- [Circadian Disruption, Per3, and Human Cytokine Secretion.](#)
*Circadian disruption has been linked with inflammation, an established...*21st November, 2009
- Integr Cancer Ther. 2009 Nov 18. ([DOI Direct Link](#))
- [Diagnostic performance of radiographers as compared to radiologists in magnetic resonance colonography.](#)
*PURPOSE: To evaluate the diagnostic performance of radiographers compared...*21st November, 2009
Department of Radiology, Academic Medical Center, Amsterdam, Netherlands;- Eur J Radiol. 2009 Nov 16. ([DOI Direct Link](#))
- [Can patients at high-risk for significant colorectal neoplasms and having normal quantitative fecal occult blood test postpone elective colonoscopy?](#)
*SUMMARY Background Common reasons for elective screening and surveillance...*21st November, 2009
Gastroenterology Dept., Rabin Medical Center, Beilinson Hospital, Petach- Alimnt Pharmacol Ther. 2009 Nov 19. ([DOI Direct Link](#))
- [The Completion Rate of Colonoscopy in Normal Daily Practice: Factors Associated with Failure.](#)
*Background: Colonoscopy is an important diagnostic procedure for screening...*20th November, 2009
Department of Internal Medicine, Zaans Medisch Centrum, Zaandam, The- Digestion. 2009 Nov 13;80(4):267-270. ([DOI Direct Link](#))

- [Visceral Fat Volume and the Prevalence of Colorectal Adenoma.](#)
Few epidemiologic investigations of visceral adiposity and colorectal...20th November, 2009
- Am J Epidemiol. 2009 Nov 18. ([DOI Direct Link](#))
- [Variations between endoscopists in rates of detection of colorectal neoplasia and their impact on a regional screening program based on colonoscopy after fecal occult blood testing.](#)
BACKGROUND: There are few data about the performance variability among...20th November, 2009
Current affiliations: Department of Gastroenterology (J.-F.B., S.M.),- Gastrointest Endosc. 2009 Nov 16. ([DOI Direct Link](#))
- [Characterization of forces applied by endoscopists during colonoscopy by using a wireless colonoscopy force monitor.](#)
BACKGROUND: To perform a colonoscopy, the endoscopist maneuvers the...20th November, 2009
Current affiliations: Chevy Chase Clinical Research (L.Y.K., M.A.), Chevy- Gastrointest Endosc. 2009 Nov 16. ([DOI Direct Link](#))
- [Laparoscopic correction of enterocele associated to stapled transanal rectal resection for obstructed defecation syndrome.](#)
BACKGROUND AND AIMS: We report our experience of concomitant laparoscopic...19th November, 2009
Pelvic Floor Center, Montecchio Emilia, Italy.- Int J Colorectal Dis. 2009 Nov 17. ([DOI Direct Link](#))
- [Evaluation of Subepithelial Abnormalities of the Appendix by Endoscopic Ultrasound.](#)
Background. The use of through-the-scope (TTS) miniprobe catheter...19th November, 2009
Division of Gastroenterology and Liver Diseases, George Washington- Diagn Ther Endosc. 2009;2009:295379. Epub 2009 Nov 12. ([DOI Direct Link](#))
- [\[A Case of Primary Adenocarcinoma of Small Intestine with Multiple Liver Metastases Successfully Treated with mFOLFOX6.\]](#)
A 6 0-year-old man was referred to our hospital since his stool...19th November, 2009
Dept. of Gastroenterology, Sapporo Hokuyu Hospital.- Gan To Kagaku Ryoho. 2009 Nov;36(11):1927-1929.
- [\[Huge Ascending Colon Carcinoma, Treated Successfully with S-1 Plus CPT-11, Followed by Significant Tumor Reduction and Curative Resection-A Case Report.\]](#)
A 7 8-year-old woman was admitted to our hospital complaining of...19th November, 2009
Dept. of Surgery, Gyoda General Hospital.- Gan To Kagaku Ryoho. 2009 Nov;36(11):1907-1910.
- [\[Colonoscopic findings in asymptomatic people\]](#)
CONTEXT: Colorectal cancer is the second leading cause of cancer-related...18th November, 2009
Departamento de Cirurgia, Faculdade de Medicina, Universidade Federal de- Arq Gastroenterol. 2009 Jul-Sep;46(3):173-8.
- [\[Development of colorectal advanced neoplasia/adenomas in the long-term follow-up of patients submitted to colonoscopy with polypectomy\]](#)
CONTEXT: Colonoscopy with polypectomy reduces the incidence of colorectal...18th November, 2009
Santa Casa de Porto Alegre.- Arq Gastroenterol. 2009 Jul-Sep;46(3):167-72.
- [Blood loss anemia due to adenocarcinoma of the jejunum: case report and review of the literature.](#)
BACKGROUND: Small bowel tumors are rare, accounting for only 3-6% of...18th November, 2009
- Cases J. 2009 Feb 18;2:6237. ([DOI Direct Link](#))
- [Appendicular mass imitating a malignant cecal tumor on f18-FDG PET/CT study: a case report.](#)
Fluoro-Deoxy-Glucose Positron Emission Tomography/Computerized Tomography...18th November, 2009
- Cases J. 2009 Aug 4;2:8420. ([DOI Direct Link](#))

BioNews Results for Colonoscopy

- [CT colonography tops colonoscopy for mapping colon cancer segmentation](#)

- Diagnostic Imaging: Nov 21 2009 1:12AM Matching: colonoscopy*
- [A Closer Look at Colon Cancer Screening](#)
Santa Monica Mirror: Nov 20 2009 6:22AM Matching: colonoscopy
 - [Assessing Colonoscopy Training Outcomes Using Quality Indicators](#)
MDLinx: Nov 18 2009 12:50PM Matching: colonoscopy
 - [Colon Cancer Prevention Vaccine](#)
WSOC-TV: Nov 14 2009 1:31PM Matching: colonoscopy
 - [Cameras Improve Colonoscopy](#)
Medicexchange.com: Nov 12 2009 7:57AM Matching: colonoscopy
 - [Colonoscopy: New Optical Techniques Are More Efficient And Cost Effective](#)
Medical News Today: Nov 12 2009 11:33AM Matching: colonoscopy
 - [Five-Year Risk of Colorectal Neoplasia after Negative Screening Colonoscopy](#)
New England Journal of Medicine: Nov 12 2009 7:39AM Matching: colonoscopy
 - [New Executive Health Clinic Opens in Muskoka](#)
Individual.com: Nov 8 2009 2:33PM Matching: colonoscopy
 - [Health tip: screening for cancer](#)
KSLA: Nov 6 2009 1:47PM Matching: colonoscopy
 - [Fewer Polyps Detected by Colonoscopy as the Day Progresses at a Veterans Administration Teaching Hospital](#)
MDLinx: Nov 5 2009 11:54AM Matching: colonoscopy
 - [Study: Patients Tolerate Unsedated Colonoscopy](#)
MDLinx: Nov 4 2009 11:22AM Matching: colonoscopy
 - [CT Colonography Predictably Overestimates Colonic Length and Distance to Polyps Compared With Optical Colonoscopy](#)
MDLinx: Nov 4 2009 10:46AM Matching: colonoscopy
 - [Normalized Distance Along the Colon Centerline: A Method for Correlating Polyp Location on CT Colonography and Optical Colonoscopy](#)
MDLinx: Nov 4 2009 10:46AM Matching: colonoscopy
 - [Cancer symposium set at CPMC Wed](#)
Fort Morgan Times: Nov 3 2009 7:50PM Matching: colonoscopy
 - [Health tip: screening for cancer](#)
WFLX Fox 29: Nov 3 2009 3:07PM Matching: colonoscopy

Colonoscopy Patents:

- 7570986- [Teniae coli guided navigation and registration for virtual colonoscopy](#)
- 7585976- [Hemiasterlin derivatives and uses thereof](#)
- 7590272- [Colon characteristic path registration](#)
- 7590441- [Invasive medical device with position sensing and display](#)
- 7591269- [Medical procedure drape](#)
- 7591783- [Articulation joint for video endoscope](#)
- 7591998- [Stool marker](#)
- 7592141- [Methods of identifying individuals at reduced risk of sepsis](#)
- 7592150- [Method for diagnosing diseases based on levels of anti-glycan antibodies](#)



- 7593549- [Apparatus and method for utilizing biometrics in medical applications](#)
- 7593913- [Systems and method for integrative medical decision support](#)
- 7585862- [Reverse-turn mimetics and method relating thereto](#)
- 7583831- [System and method for using learned discriminative models to segment three dimensional colon image data](#)
- 7572462- [Peri-operative and peri-procedure nutritional supplementation](#)
- 7574024- [Centerline and tree branch skeleton determination for virtual objects](#)
- 7574029- [Characteristic path-based colon segmentation](#)
- 7574032- [Method and apparatus for virtual subtraction of stool from registration and shape based analysis of prone and supine scans of the colon](#)
- 7575928- [Genes for diagnosing colorectal cancer](#)
- 7576084- [Reverse-turn mimetics and method relating thereto](#)
- 7576740- [Method of volume visualization](#)
- 7577298- [Method and system for response image feature collection and candidate summit, surface, and core estimation](#)
- 7578786- [Video endoscope](#)
- 7582441- [Methods and compositions for treating and diagnosing disease](#)
- 7596256- [Computer assisted detection of lesions in volumetric medical images](#)
- 7596481- [Three-dimensional wellbore analysis and visualization](#)
- 7597661- [Medical instrument having a catheter and method for using a catheter](#)
- 7610085- [Simplified ECG monitoring system](#)
- 7611702- [TNF-alpha blocker treatment for enterocolitis associated with immunostimulatory therapeutic antibody therapy](#)
- 7611870- [Methods for identifying cancer risk](#)
- 7612033- [Methods for delivering compounds into a cell](#)
- 7613335- [Methods and devices useful for analyzing color medical images](#)
- 7615003- [Track for medical devices](#)
- 7615004- [Endoscopic ancillary attachment devices](#)
- 7615005- [Medical apparatus for use with an endoscope](#)
- 7615066- [Articulating mechanism for remote manipulation of a surgical or diagnostic tool](#)
- 7616800- [Polyp identification through subtraction of models of medical images](#)
- 7609910- [System and method for creating a panoramic view of a volumetric image](#)
- 7609887- [System and method for toboggan-based object segmentation using distance transform](#)
- 7597662- [Multi-fluid delivery system](#)
- 7599465- [Detection of thrombi in CT using energy discrimination](#)
- 7601756- [Method of treatment for irritable bowel syndrome](#)
- 7603264- [Three-dimensional wellbore visualization system for drilling and completion data](#)
- 7604648- [Direct vision port site dissector](#)
- 7607079- [Multi-input reporting and editing tool](#)
- 7608259- [Methods of cancer diagnosis and therapy targeted against a cancer stem line](#)
- 7608414- [Method for diagnosing and prognosing inflammatory bowel disease and crohn's disease](#)
- 7608704- [Secreted proteins](#)
- 7609868- [Diagnostic imaging system and method providing information regarding blood flow in an anatomical anomaly](#)
- 7620442- [Colonography on an unprepared colon](#)

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