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A National Cancer Institute Workshop on Microsatellite Instability for cancer detection and familial predisposition: development of international criteria for the determination of microsatellite instability in colorectal cancer

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#	Paper	IF	Citations
2363	Accumulated clonal genetic alterations in familial and sporadic colorectal carcinomas with widespread instability in microsatellite sequences. <b>1998</b> , 153, 1063-78		166
2362	Microsatellite instability (MSI) in non-colonic, non-HNPCC tumors: 'instable' evidence?. <i>Annals of Oncology</i> , <b>1999</b> , 10, 751-2	10.3	9
2361	Infrequent loss of heterozygosity of APC/MCC and DCC genes in gastric cancer showing DNA microsatellite instability. <b>1999</b> , 52, 504-8		27
2360	Rolle der Pränalytik bei molekularbiologischen Untersuchungen von humanen Zellen <b>1999</b> , 23, 275-27	9	
2359	Genetic epidemiology of mutated K-ras proto-oncogene, altered suppressor genes, and microsatellite instability in colorectal adenomas. <b>1999</b> , 44, 826-33		67
2358	Mismatch repair gene defects contribute to the genetic basis of double primary cancers of the colorectum and endometrium. <b>1999</b> , 8, 823-9		75
2357	Molecular markers of prognosis in colorectal cancer. <b>1999</b> , 91, 1267-9		24
2356	Relative stabilities of dinucleotide and tetranucleotide repeats in cultured mammalian cells. <b>1999</b> , 8, 2567-72		34
2355	A missense mutation in both hMSH2 and APC in an Ashkenazi Jewish HNPCC kindred: implications for clinical screening. <b>1999</b> , 36, 790-3		24
2354	Epigenetic phenotypes distinguish microsatellite-stable and -unstable colorectal cancers. <b>1999</b> , 96, 126	61-6	95
2353	Mutational analysis of the DNA mismatch repair gene hMLH1 in myeloid leukaemias. <b>1999</b> , 106, 706-8		9
2352	Microsatellite instability in benign skin lesions in hereditary non-polyposis colorectal cancer syndrome. <b>1999</b> , 113, 901-5		23
2351	Clinical and pathologic significance of microsatellite instability in endometrial cancer. <b>1999</b> , 9, 406-410		19
2350	Familial endometrial cancer in female carriers of MSH6 germline mutations. <b>1999</b> , 23, 142-4		342
2349	The DNA repair gene MBD4 (MED1) is mutated in human carcinomas with microsatellite instability. <b>1999</b> , 23, 266-8		183
2348	Frameshift mutations and a length polymorphism in the hMSH3 gene and the spectrum of microsatellite instability in sporadic colon cancer. <b>1999</b> , 90, 1310-5		6
2347	Microsatellite instability in sporadic colorectal cancer is not an independent prognostic factor. <b>1999</b> , 81, 190-3		85

2346	Microsatellite instability is infrequent in azoxymethane-induced rat intestinal tumors: An assessment by capillary electrophoresis. <b>1999</b> , 157, 9-15		5
2345	Molecular diagnostics of cancer predisposition: hereditary non-polyposis colorectal carcinoma and mismatch repair defects. <b>1999</b> , 1423, O1-O10		20
2344	CHK1 frameshift mutations in genetically unstable colorectal and endometrial cancers. <b>1999</b> , 26, 176-18	80	76
2343	Colorectal cancer with and without microsatellite instability involves different genes. <b>1999</b> , 26, 247-252	2	90
2342	Genetic testing and counseling for hereditary forms of colorectal cancer. <i>Cancer</i> , <b>1999</b> , 86, 2540-50	6.4	47
2341	Overexpression of cyclooxygenase-2 protein is less frequent in gastric cancers with microsatellite instability. <i>International Journal of Cancer</i> , <b>1999</b> , 84, 400-3	7.5	52
2340	Microsatellite analysis and response to chemotherapy in head-and-neck squamous-cell carcinoma. <i>International Journal of Cancer</i> , <b>1999</b> , 84, 410-5	7.5	32
2339	hMLH1, hMSH2 and hMSH6 mutations in hereditary non-polyposis colorectal cancer families from southern Sweden. <i>International Journal of Cancer</i> , <b>1999</b> , 83, 197-202	7.5	23
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2336 2335	infrequent in ovarian carcinomas. <b>1999</b> , 1, 311-4  Mismatch repair and drug responses in cancer. <b>1999</b> , 2, 295-306  Association of hereditary nonpolyposis colorectal cancer-related tumors displaying low microsatellite instability with MSH6 germline mutations. <b>1999</b> , 65, 1291-8	5	7 253
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2336 2335 2334 2332	Mismatch repair and drug responses in cancer. 1999, 2, 295-306  Association of hereditary nonpolyposis colorectal cancer-related tumors displaying low microsatellite instability with MSH6 germline mutations. 1999, 65, 1291-8  The onset and extent of genomic instability in sporadic colorectal tumor progression. 1999, 96, 15121-6  Mapping of a target region of allelic loss to a 0.5-cM interval on chromosome 22q13 in human colorectal cancer. 1999, 117, 831-7  A comparison of MyoD1 and fetal acetylcholine receptor expression in childhood tumors and normal tissues: implications for the molecular diagnosis of minimal disease in rhabdomyosarcomas. <i>Journal of Molecular Diagnostics</i> , 1999, 1, 23-31  Polymorphic variation at the BAT-25 and BAT-26 loci in individuals of African origin. Implications for		7 253 302 39 25

2328	Microsatellite instability and p53 mutations in hepatocellular carcinoma. <b>1999</b> , 2, 155-61		18
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2326	Broadsheet number 52: Molecular genetics of colorectal cancer. <b>1999</b> , 31, 354-64		6
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2324	Genetic testing for colon cancer: joint statement of the American College of Medical Genetics and American Society of Human Genetics. Joint Test and Technology Transfer Committee Working Group. <b>2000</b> , 2, 362-6		28
2323	Frameshift mutations at coding mononucleotide repeat microsatellites in endometrial carcinoma with microsatellite instability. <i>Cancer</i> , <b>2000</b> , 88, 2290-2297	6.4	35
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2320	Microsatellite instability and hMLH1/hMSH2 expression in young endometrial carcinoma patients: associations with family history and histopathology. <i>International Journal of Cancer</i> , <b>2000</b> , 86, 60-6	7.5	65
2319	Response to genetic counseling and testing for the APC I1307K mutation. <b>2000</b> , 91, 207-11		9
2318	Microsatellite instability as a predictor of a mutation in a DNA mismatch repair gene in familial colorectal cancer. <i>Genes Chromosomes and Cancer</i> , <b>2000</b> , 27, 17-25	5	63
2317	Distinct clinicopathologic and genetic profiles in sporadic gastric cancer with different mutator phenotypes. <i>Genes Chromosomes and Cancer</i> , <b>2000</b> , 27, 403-411	5	71
2316	Genetic alterations of sporadic colorectal cancer with microsatellite instability, especially characteristics of primary multiple colorectal cancers. <b>2000</b> , 74, 249-56		16
2315	Prediction of a mismatch repair gene defect by microsatellite instability and immunohistochemical analysis in endometrial tumours from HNPCC patients. <b>2000</b> , 192, 328-35		153
2314	Clinical significance of microsatellite instability in endometrial carcinoma. <i>Cancer</i> , <b>2000</b> , 89, 1758-64	6.4	108
2313	Sporadic colorectal adenocarcinomas with high-frequency microsatellite instability. <i>Cancer</i> , <b>2000</b> , 89, 2025-2037	6.4	165
2312	Genetic progression in microsatellite instability high (MSI-H) colon cancers correlates with clinico-pathological parameters: A study of the TGRRII, BAX, hMSH3, hMSH6, IGFIIR and BLM genes. <i>International Journal of Cancer</i> , <b>2000</b> , 89, 230-235	7.5	91
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2310	Prognostic implications of microsatellite genotypes in gastric carcinoma. <i>International Journal of Cancer</i> , <b>2000</b> , 89, 378-83	7.5	54
2309	Genetic alterations in gastric cancer cell lines and their original tissues. <i>International Journal of Cancer</i> , <b>2000</b> , 87, 512-6	7.5	11
2308	Microsatellite instability, prognosis and metastasis in gastric cancers from a low-risk population. <i>International Journal of Cancer</i> , <b>2000</b> , 89, 444-52	7.5	52
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2305	Low frequency of allelic imbalance at the prostate cancer susceptibility loci HPC1 and 1p36 in Swedish men with hereditary prostate cancer. <i>Genes Chromosomes and Cancer</i> , <b>2000</b> , 29, 292-6	5	13
2304	Inclusion of malignant fibrous histiocytoma in the tumour spectrum associated with hereditary non-polyposis colorectal cancer. <i>Genes Chromosomes and Cancer</i> , <b>2000</b> , 29, 353-5	5	71
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2300	Mutations in AXIN2 cause colorectal cancer with defective mismatch repair by activating beta-catenin/TCF signalling. <b>2000</b> , 26, 146-7		435
2299	Microsatellite instability in the adenoma-carcinoma sequence of the stomach. <b>2000</b> , 80, 57-64		43
2298	Intratumor heterogeneity of centromere numerical abnormality in multiple primary gastric cancers: application of fluorescence in situ hybridization with intermittent microwave irradiation on paraffin-embedded tissue. <b>2000</b> , 91, 1134-41		16
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2296	Somatic alterations of the androgen receptor CAG repeat in human colon cancer delineate a novel mutation pathway independent of microsatellite instability. <b>2000</b> , 123, 35-40		21
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2292	Allelic imbalance in lichen sclerosus, hyperplasia, and intraepithelial neoplasia of the vulva. <b>2000</b> , 77, 171-6	65
2291	Absence of PTEN repeat tract mutation in endometrial cancers with microsatellite instability. <b>2000</b> , 79, 101-6	25
2290	Two cases of endometrial cancer meeting new clinical criteria for hereditary nonpolyposis colorectal cancer. <b>2000</b> , 79, 327-31	4
2289	Fractional allelic loss in non-end-stage cirrhosis: correlations with hepatocellular carcinoma development during follow-up. <b>2000</b> , 31, 846-50	43
2288	Genetic instability and aberrant DNA methylation in chronic hepatitis and cirrhosisA comprehensive study of loss of heterozygosity and microsatellite instability at 39 loci and DNA hypermethylation on 8 CpG islands in microdissected specimens from patients with hepatocellular	211
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2286	Do MSH6 mutations contribute to double primary cancers of the colorectum and endometrium?. <b>2000</b> , 107, 623-9	42
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2284	Loss of heterozygosity on 10q and microsatellite instability in advanced stages of primary cutaneous T-cell lymphoma and possible association with homozygous deletion of PTEN. <b>2000</b> , 95, 2937-2942	100
2283	Low Incidence of Hereditary Nonpolyposis Colorectal Cancer Syndrome in a Selected Area of the Lombardy Cancer Registry. <b>2000</b> , 86, 439-444	5
2282	New developments in the analysis of gene expression. <b>2000</b> , 5, 63-73	18
2281	Microsatellite instability in colorectal cancer. <b>2000</b> , 342, 1607; author reply 1608	8
2280	Association of a duodenal follicular lymphoma and hereditary nonpolyposis colorectal cancer. <b>2000</b> , 13, 586-90	16
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2277	Recurrent germline mutation in MSH2 arises frequently de novo. <b>2000</b> , 37, 646-52	63
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2275	Candidate tumor suppressor RIZ is frequently involved in colorectal carcinogenesis. <b>2000</b> , 97, 2662-7	138

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2274	Instability of interstitial telomeric sequences in the human genome. <b>2000</b> , 68, 111-7	51
2273	Cross-referencing radiation hybrid data to the recombination map: lessons from mouse chromosome 18. <b>2000</b> , 69, 27-36	18
2272	Higher risk of mismatch repair-deficient colorectal cancer in alpha(1)-antitrypsin deficiency carriers and cigarette smokers. <b>2000</b> , 71, 639-45	55
2271	Colorectal carcinomas arising in the hyperplastic polyposis syndrome progress through the chromosomal instability pathway. <b>2000</b> , 157, 385-92	56
2270	Genetic and epigenetic modification of MLH1. <b>2000</b> , 157, 1052-3	5
2269	The role of microsatellite instability in gastric low- and high-grade lymphoma development. <b>2000</b> , 157, 1129-36	31
2268	Microsatellite instability in gastric intestinal metaplasia in patients with and without gastric cancer. <b>2000</b> , 156, 537-43	129
2267	Genetic, immunohistochemical, and clinical features of medullary carcinoma of the pancreas: A newly described and characterized entity. <b>2000</b> , 156, 1641-51	225
2266	Loss of heterozygosity and microsatellite instability in ductal carcinoma in situ of the breast. <b>2000</b> , 156, 207-14	25
2265	Beta-catenin and adenomatous polyposis coli (APC) mutations in adenomas from hereditary non-polyposis colorectal cancer patients. <b>2000</b> , 157, 185-91	22
2264	Evidence for microsatellite instability in bilateral breast carcinomas. <b>2000</b> , 154, 9-17	18
2263	Localization of multiple melanoma tumor-suppressor genes on chromosome 11 by use of homozygosity mapping-of-deletions analysis. <b>2000</b> , 67, 417-31	42
2262	Familial colorectal cancer: pathology and molecular characteristics. <b>2000</b> , 1, 220-6	44
2261	Value of pedigree/clinical data, immunohistochemistry and microsatellite instability analyses in reducing the cost of determining hMLH1 and hMSH2 gene mutations in patients with colorectal cancer. <b>2000</b> , 36, 49-54	77
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2258	PCR artifacts in LOH and MSI analysis of microdissected tumor cells. <b>2000</b> , 31, 1414-1419	62
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2251	Microsatellite instability is a favorable prognostic indicator in patients with colorectal cancer receiving chemotherapy. <b>2000</b> , 119, 921-8	291
2250	Phenotypic and molecular characteristics of hyperplastic polyposis. <b>2000</b> , 119, 323-32	189
2249	Microsatellite instability and mutation of mitochondrial and nuclear DNA in gastric carcinoma. <b>2000</b> , 118, 835-41	107
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2247	Efficient detection of hereditary nonpolyposis colorectal cancer gene carriers by screening for tumor microsatellite instability before germline genetic testing. <b>2001</b> , 120, 21-30	131
2246	Genetic alterations associated with hepatocellular carcinomas define distinct pathways of hepatocarcinogenesis. <b>2001</b> , 120, 1763-73	483
2245	Germline mutations of EXO1 gene in patients with hereditary nonpolyposis colorectal cancer (HNPCC) and atypical HNPCC forms. <b>2001</b> , 120, 1580-7	115
2244	The colon cancer burden of genetically defined hereditary nonpolyposis colon cancer. <b>2001</b> , 121, 830-8	209
2243	WNT1 inducible signaling pathway protein 3, WISP-3, a novel target gene in colorectal carcinomas with microsatellite instability. <b>2001</b> , 121, 1275-80	52
2242	Extensive methylation of hMLH1 promoter region predominates in proximal colon cancer with microsatellite instability. <b>2001</b> , 121, 1300-9	163
2241	HNPCC: an uncommon but important diagnosis. <b>2001</b> , 121, 1005-8	16
2240	Cancer epigenetics takes center stage. <b>2001</b> , 98, 392-4	130
2239	Microsatellite instability and high content of activated cytotoxic lymphocytes identify colon cancer patients with a favorable prognosis. <b>2001</b> , 159, 297-304	253

2238	Thymic epithelial tumors can develop along two different pathogenetic pathways. <b>2001</b> , 159, 1853-60	48
2237	Features of colorectal cancers with high-level microsatellite instability occurring in familial and sporadic settings: parallel pathways of tumorigenesis. <b>2001</b> , 159, 2107-16	302
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2235	Histopathological identification of colon cancer with microsatellite instability. <b>2001</b> , 158, 527-35	401
2234	Chromosomal alterations in paired gastric adenomas and carcinomas. <b>2001</b> , 158, 655-62	26
2233	Inverse relationship between microsatellite instability and K-ras and p53 gene alterations in colon cancer. <b>2001</b> , 158, 1517-24	160
2232	Stepwise deletions of polyA sequences in mismatch repair-deficient colorectal cancers. <b>2001</b> , 158, 1867-70	32
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2229	The frequency of hereditary defective mismatch repair in a prospective series of unselected colorectal carcinomas. <b>2001</b> , 69, 780-90	272
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2227	Germline and somatic mutations in hMSH6 and hMSH3 in gastrointestinal cancers of the microsatellite mutator phenotype. <b>2001</b> , 272, 301-13	60
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2225	Inverse association between cyclooxygenase-2 overexpression and microsatellite instability in gastric cancer. <b>2001</b> , 168, 133-40	25
2224	Mitochondrial genome instability in human cancers. <b>2001</b> , 488, 9-23	131
2223	Gender difference for mismatch repair deficiency in human colorectal cancer. <b>2001</b> , 121, 1026-7	8
2222	Allelic Loss of Chromosome 2p21-16.3 is Associated with Reduced Survival in Sporadic Colorectal Cancer. <b>2001</b> , 36, 405-409	10
2221	Microsatellite instability, PTEN and p53 germline mutations in glioma families. <b>2001</b> , 40, 633-7	23

2220	Microsatellite instability: application in hereditary non-polyposis colorectal cancer. <i>Annals of Oncology</i> , <b>2001</b> , 12, 151-60	10.3	8
2219	Instability at sequence repeats in melanocytic tumours. <b>2001</b> , 11, 283-9		21
2218	Hyperplastic polyposis: association with colorectal cancer. <b>2001</b> , 25, 177-84		158
2217	Molecular pathologic analysis enhances the diagnosis and management of Muir-Torre syndrome and gives insight into its underlying molecular pathogenesis. <b>2001</b> , 25, 936-41		37
2216	Analysis of allelic imbalance in patients with colorectal cancer according to stage and presence of synchronous liver metastases. <b>2001</b> , 234, 795-802; discussion 802-3		16
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2214	beta-Catenin expression pattern, beta-catenin gene mutations, and microsatellite instability in endometrioid ovarian carcinomas and synchronous endometrial carcinomas. <b>2001</b> , 10, 116-22		120
2213	A molecular rationale for the how, when and why of colorectal cancer screening. <i>Alimentary Pharmacology and Therapeutics</i> , <b>2001</b> , 15, 451-62	6.1	17
2212	Microsatellite analysis in acute myeloid leukaemia evolving from myelodysplastic syndrome. <b>2001</b> , 112, 248-9		4
2211	Microsatellite instability occurs in defined subsets of patients with acute myeloblastic leukaemia. <b>2001</b> , 114, 307-12		33
2210	An association between sebaceous carcinoma and microsatellite instability in immunosuppressed organ transplant recipients. <b>2001</b> , 116, 246-53		71
2209	Microsatellite instability in uterine sarcomas. <b>2001</b> , 11, 218-23		29
2208	Low frequency of microsatellite instability in hereditary prostate cancer. <b>2001</b> , 87, 334-8		14
2207	MLH1 and MSH2 protein immunohistochemistry is useful for detection of hereditary non-polyposis colorectal cancer in young patients. <b>2001</b> , 39, 250-8		25
2206	Comprehensive analysis of 112 melanocytic skin lesions demonstrates microsatellite instability in melanomas and dysplastic nevi, but not in benign nevi. <b>2001</b> , 28, 343-50		58
2205	Microsatellite alterations and target gene mutations in the early stages of multiple gastric cancer. <b>2001</b> , 194, 334-40		24
2204	Allelic imbalance is not restricted to numerically abnormal chromosomes in epithelial ovarian tumours. <b>2001</b> , 195, 443-50		1
2203	Perspectives on the use of electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry for short tandem repeat genotyping in the post-genome era. <b>2001</b> , 36, 589-606		36

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2202	Correlation between microsatellite instability and metachronous disease recurrence after endoscopic mucosal resection in patients with early stage gastric carcinoma. <i>Cancer</i> , <b>2001</b> , 91, 339-345	6.4	12
2201	Microsatellite instability and hMLH1/hMSH2 expression in Barrett esophagus-associated adenocarcinoma. <i>Cancer</i> , <b>2001</b> , 91, 1451-7	6.4	43
2200	Clinicopathologic and familial characteristics of endometrial carcinoma with multiple primary carcinomas in relation to the loss of protein expression of MSH2 and MLH1. <i>Cancer</i> , <b>2001</b> , 91, 2056-64	6.4	8
2199	Tumor-infiltrating lymphocytes are a marker for microsatellite instability in colorectal carcinoma. <i>Cancer</i> , <b>2001</b> , 91, 2417-2422	6.4	374
2198	A genome-wide study of microsatellite instability in advanced gastric carcinoma. <i>Cancer</i> , <b>2001</b> , 92, 92-10	<b>0</b> 6.4	23
2197	Microsatellite instability, MLH-1 promoter hypermethylation, and frameshift mutations at coding mononucleotide repeat microsatellites in ovarian tumors. <i>Cancer</i> , <b>2001</b> , 92, 2829-36	6.4	88
2196	DNA mismatch repair genes hMLH1, hMSH2, and hMSH6 are not inactivated in bronchioloalveolar carcinomas of the lung. <i>Cancer</i> , <b>2001</b> , 92, 2898-901	6.4	12
2195	A population based cohort study of patients with multiple colon and endometrial cancer: correlation of microsatellite instability (MSI) status, age at diagnosis and cancer risk. <i>International Journal of Cancer</i> , <b>2001</b> , 91, 486-91	7.5	20
2194	Determination of microsatellite instability, p53 and K-RAS mutations in hepatic metastases from patients with colorectal cancer: relationship with response to 5-fluorouracil and survival. <i>International Journal of Cancer</i> , <b>2001</b> , 95, 162-7	7·5	35
2193	Microsatellite instability is a genetic marker for the development of multiple gastric cancers. <i>International Journal of Cancer</i> , <b>2001</b> , 95, 350-3	7.5	54
2192	Infrequent microsatellite instability in biliary tract cancer. 2001, 76, 121-6		25
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2000	Oral cancer: reviewing the present understanding of its molecular mechanism and exploring the future directions for its effective management. <b>2003</b> , 39, 213-21		84
1999	The role of microsatellite instability in cervical intraepithelial neoplasia and squamous cell carcinoma of the cervix. <b>2003</b> , 89, 434-9		13
1998	Germline deletions of EXO1 do not cause colorectal tumors and lesions which are null for EXO1 do not have microsatellite instability. <b>2003</b> , 147, 121-7		21
1997	Mutation frequency analysis of mononucleotide and dinucleotide repeats after oxidative stress. <b>2003</b> , 42, 75-84		12
1996	Methylation profile of the MLH1 promoter region and their relationship to colorectal carcinogenesis. <i>Genes Chromosomes and Cancer</i> , <b>2003</b> , 36, 17-25	5	19
1995	Identification of novel genes with somatic frameshift mutations within coding mononucleotide repeats in colorectal tumors with high microsatellite instability. <i>Genes Chromosomes and Cancer</i> , <b>2003</b> , 36, 48-56	5	7
1994	Microsatellite instability and expression of MLH1 and MSH2 in carcinomas of the small intestine. <i>Cancer</i> , <b>2003</b> , 97, 1551-7	6.4	82
1993	Evidence of a preferred molecular pathway in patients with synchronous colorectal cancer. <i>Cancer</i> , <b>2003</b> , 98, 48-54	6.4	26
1992	The silence of the genes: matching mismatch repair defects with tumors. <i>Cancer</i> , <b>2003</b> , 98, 2091-4	6.4	10
1991	Mismatch repair gene expression defects contribute to microsatellite instability in ovarian carcinoma. <i>Cancer</i> , <b>2003</b> , 98, 2199-206	6.4	83
1990	Microscopic analysis of chromium accumulation in the bronchi and lung of chromate workers. <i>Cancer</i> , <b>2003</b> , 98, 2420-9	6.4	27
1989	High throughput detection of microsatellite instability by denaturing high-performance liquid chromatography. <b>2003</b> , 22, 388-94		23
1988	Beta2-microglobulin aberrations in diffuse large B-cell lymphoma of the testis and the central nervous system. <i>International Journal of Cancer</i> , <b>2003</b> , 103, 393-8	7.5	31
1987	Differential expression of hMLH1 and hMSH2 is related to bladder cancer grade, stage and prognosis but not microsatellite instability. <i>International Journal of Cancer</i> , <b>2003</b> , 105, 484-90	7.5	64

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1985	Little evidence for involvement of MLH3 in colorectal cancer predisposition. <i>International Journal of Cancer</i> , <b>2003</b> , 106, 292-6	7.5	40
1984	Analysis of the transcription regulator, CNOT7, as a candidate chromosome 8 tumor suppressor gene in colorectal cancer. <i>International Journal of Cancer</i> , <b>2003</b> , 106, 505-509	7.5	11
1983	Infrequent microsatellite instability in liver fluke infection-associated intrahepatic cholangiocarcinomas from Thailand. <i>International Journal of Cancer</i> , <b>2003</b> , 107, 375-80	7.5	15
1982	MSH6 germline mutations are rare in colorectal cancer families. <i>International Journal of Cancer</i> , <b>2003</b> , 107, 571-9	7.5	49
1981	Inactivation of p16INK4a by CpG hypermethylation is not a frequent event in colorectal cancer. <b>2003</b> , 84, 143-50		16
1980	A panel of repeat markers for detection of microsatellite instability in murine tumors. <b>2003</b> , 38, 155-9		31
1979	Prostate cancer is part of the hereditary non-polyposis colorectal cancer (HNPCC) tumor spectrum. <b>2003</b> , 121A, 159-62		56
1978	Hereditary nonpolyposis colorectal cancer and related conditions. <b>2003</b> , 122A, 325-34		62
1977	Clinicopathological and molecular biological features of colorectal cancer in patients less than 40 years of age. <b>2003</b> , 90, 205-14		116
1976	Colorectal cancers with mononucleotide microsatellite instability can be identified using microfabricated chip technology. <b>2003</b> , 322, 130-3		12
1975	Changes in apoptosis during the development of colorectal cancer: a systematic review of the literature. <i>Critical Reviews in Oncology/Hematology</i> , <b>2003</b> , 45, 37-53	7	61
1974	Total loss of MHC class I in colorectal tumors can be explained by two molecular pathways: beta2-microglobulin inactivation in MSI-positive tumors and LMP7/TAP2 downregulation in MSI-negative tumors. <b>2003</b> , 61, 211-9		120
1973	Microsatellite instability in a pleomorphic rhabdomyosarcoma in a patient with hereditary non-polyposis colorectal cancer. <b>2003</b> , 43, 297-9		29
1972	Frequency of microsatellite instability in unselected sebaceous gland neoplasias and hyperplasias. <b>2003</b> , 120, 858-64		69
1971	Microsatellite instability is associated with hypermethylation of the hMLH1 gene and reduced gene expression in mycosis fungoides. <b>2003</b> , 121, 894-901		45
1970	Cancer history and loss of MSH2 and MLH1 protein expression in patients with endometrial hyperplasia. <b>2003</b> , 13, 352-60		2
1969	Mutational analysis of CDKN2A genes in patients with squamous cell carcinoma of the skin. <b>2003</b> , 148, 638-48		44

1968	Immunocytochemistry versus molecular fingerprinting of metastases. <b>2003</b> , 14, 186-90	8
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1966	Promoter methylation of TGFbeta receptor I and mutation of TGFbeta receptor II are frequent events in MSI sporadic gastric carcinomas. <b>2003</b> , 200, 32-8	46
1965	Fas ligand and tumour counter-attack in colorectal cancer stratified according to microsatellite instability status. <b>2003</b> , 201, 46-54	14
1964	MSI-low, a real phenomenon which varies in frequency among cancer types. <b>2003</b> , 201, 389-94	44
1963	Establishment and characterization of unique cell lines derived from pyothorax-associated lymphoma which develops in long-standing pyothorax and is strongly associated with Epstein-Barr virus infection. <b>2003</b> , 94, 858-63	21
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1961	Possible alternative carcinogenesis pathway featuring microsatellite instability in colorectal cancer stroma. <b>2003</b> , 89, 707-12	39
1960	Combined p53/Bax mutation results in extremely poor prognosis in gastric carcinoma with low microsatellite instability. <b>2003</b> , 10, 461-7	52
1959	Microsatellite instability and hMLH1 promoter hypermethylation in Richter's transformation of chronic lymphocytic leukemia. <b>2003</b> , 17, 411-5	41
1958	Genetic alterations in gastric adenomas of intestinal and foveolar phenotypes. <b>2003</b> , 16, 786-95	83
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1956	Hereditary polyposis syndromes and hereditary non-polyposis colorectal cancer. <b>2003</b> , 17, 237-58	40
1955	Cellular and molecular mechanisms of carcinogenesis. <b>2003</b> , 17, 361-376	
1954	[Microsatellite instability in colorectal cancer: concept, detection methods and clinical utility]. <b>2003</b> , 26, 656-63	1
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1952	Frequent Ki-ras mutations in gastric tumors of the MSI phenotype. <b>2003</b> , 125, 1282	20
1951	Frequent mutations of hepatocyte nuclear factor 1 in colorectal cancer with microsatellite instability. <b>2003</b> , 124, 1311-4	22

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1949	Genetic testing for high-risk colon cancer patients. <b>2003</b> , 124, 1574-94	153
1948	Pathogenicity of the hereditary colorectal cancer mutation hMLH1 del616 linked to shortage of the functional protein. <b>2003</b> , 125, 501-9	32
1947	Prognostic value of hMLH1 methylation and microsatellite instability in pancreatic endocrine neoplasms. <b>2003</b> , 134, 902-8; discussion 909	61
1946	Frequent promoter methylation of CDH1, DAPK, RARB, and HIC1 genes in carcinoma of cervix uteri: its relationship to clinical outcome. <b>2003</b> , 2, 24	166
1945	Pathology of mouse models of intestinal cancer: consensus report and recommendations. <b>2003</b> , 124, 762-77	399
1944	P14 methylation in human colon cancer is associated with microsatellite instability and wild-type p53. <b>2003</b> , 124, 626-33	79
1943	Hereditary nonpolyposis colorectal cancermolecular basis. <b>2003</b> , 134, 29-33	8
1942	Diagnosis and management of hereditary non-polyposis colon cancer. <b>2003</b> , 58, 390-408	26
1941	Chromosomal imbalances in the colorectal carcinomas with microsatellite instability. <b>2003</b> , 163, 1429-36	35
1940	Keys to the hidden treasures of the mannose 6-phosphate/insulin-like growth factor 2 receptor. <b>2003</b> , 162, 3-6	38
1939	Conventional and tissue microarray immunohistochemical expression analysis of mismatch repair in hereditary colorectal tumors. <b>2003</b> , 162, 469-77	147
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1931	Forensic evaluation of tetranucleotide STR instability in lung cancer. <b>2003</b> , 1239, 719-721	12
1930	Hereditary nonpolyposis colorectal cancer: preventive management. <b>2003</b> , 29, 461-70	46
1929	Detection of genetic abnormalities in neoplasms from Greek patients with FAP. <b>2003</b> , 29, 38-43	2
1928	The clinical importance and prognostic implications of microsatellite instability in sporadic cancer. <b>2003</b> , 29, 201-12	93
1927	Cell kinetics and genetic instabilities in differentiated type early gastric cancers with different mucin phenotype. <b>2003</b> , 34, 32-40	38
1926	Urothelial carcinoma of the upper urinary tract: inverted growth pattern is predictive of microsatellite instability. <b>2003</b> , 34, 222-7	55
1925	Early onset brain tumor and lymphoma in MSH2-deficient children. <b>2003</b> , 72, 213-6	77
1924	2002 William Allan Award Address. Inherited human diseases: victories, challenges, disappointments. <b>2003</b> , 72, 236-40	6
1923	Molecular analysis of hereditary nonpolyposis colorectal cancer in the United States: high mutation detection rate among clinically selected families and characterization of an American founder genomic deletion of the MSH2 gene. <b>2003</b> , 72, 1088-100	177
1922	Defective mismatch-repair in patients with multiple primary tumours including colorectal cancer. <b>2003</b> , 39, 240-8	21
1921	The role of mismatch repair in small-cell lung cancer cells. <b>2003</b> , 39, 1456-67	16
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1919	Amplification of repeat-containing transcribed sequences (ARTS): a transcriptome fingerprinting strategy to detect functionally relevant microsatellite mutations in cancer. <b>2003</b> , 31, e33	13
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1916	Genetische Diagnostik hereditfer Kolonkarzinome/Genetic Diagnostics for Hereditary Colon Cancer. <b>2003</b> , 27, 114-121	
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1913	CpG island methylation is a common finding in colorectal cancer cell lines. <b>2003</b> , 88, 413-9	44
1912	Prevalence of defective DNA mismatch repair and MSH6 mutation in an unselected series of endometrial cancers. <b>2003</b> , 100, 5908-13	204
1911	Microsatellite instability and mutation analysis among southern Italian patients with colorectal carcinoma: detection of different alterations accounting for MLH1 and MSH2 inactivation in familial cases. <i>Annals of Oncology</i> , <b>2003</b> , 14, 1530-6	12
1910	Microsatellite instability and suppressed DNA repair enzyme expression in rheumatoid arthritis. <b>2003</b> , 170, 2214-20	74
1909	Analysis of microsatellite instability in sporadic parathyroid adenomas. 2003, 88, 1248-51	6
1908	Chordoma of the skull base: predictors of tumor recurrence. <b>2003</b> , 98, 812-22	81
1907	Value of histopathology in predicting microsatellite instability in hereditary nonpolyposis colorectal cancer and sporadic colorectal cancer. <b>2003</b> , 27, 1407-17	175
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1903	Genetic and protein markers related to in situ growth and multiplicity in small sporadic colorectal adenomas. <b>2003</b> , 38, 298-306	1
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913 912 911	John Cunningham virus T-antigen expression in anal carcinoma. <i>Cancer</i> , <b>2011</b> , 117, 2379-85  Prediagnostic smoking history, alcohol consumption, and colorectal cancer survival: the Seattle Colon Cancer Family Registry. <i>Cancer</i> , <b>2011</b> , 117, 4948-57  Evaluation of germline BMP4 mutation as a cause of colorectal cancer. <b>2011</b> , 32, E1928-38  De novo constitutional MLH1 epimutations confer early-onset colorectal cancer in two new sporadic Lynch syndrome cases, with derivation of the epimutation on the paternal allele in one.	6.4	17 79 27
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