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## Genetics and Genetic Biomarkers in Sporadic Colorectal Cancer

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**Short Title:** Sporadic CRC Genetics and Biomarkers

**Abbreviations used:** colorectal cancer (CRC); elevated microsatellite alterations at selected tetranucleotide repeats (EMAST); microsatellite stable (MSS); high levels of microsatellite instability (MSI-H); loss of heterozygosity (LOH); low levels of microsatellite instability (MSI-L); microsatellite instability (MSI); DNA mismatch repair (MMR); CpG Island Methylator Phenotype (CIMP); chromosomal instability (CIN); genome-side association study (GWAS); single nucleotide polymorphism (SNP); microRNA (miR); untranslated region (UTR); aberrant crypt focus (ACF); immunohistochemistry (IHC); RNA-induced silencing complex (RISC); 15-hydroxyprostaglandin dehydrogenase (15-PGDH); cyclo-oxygenase-2 (Cox-2); 5-fluorouracil (5-FU); RISC: RNA-induced silencing complex;

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