



Knowledge is Power!

Genetic testing undoubtedly helps a health care provider better estimate their patient's risk of developing cancer. Studies have shown genetic testing directly impacts medical management. Many of the gene variants assessed by our genetic tests have validated published clinical practice guidelines that, when implemented, reduce risk of cancer development and can assist in diagnosing cancer at the earliest opportunity. Genetic testing provides patients with information, education and, most importantly, opportunity to make life-altering decisions.

Valued management options suggested due to genetic test results include:

- Increased breast examination, including self-examinations, clinical breast examinations, mammogram, ultrasound and MRI-based
- Increased thyroid examinations
- Increased colonoscopy frequency
- Risk-reducing prophylactic surgery and/or chemo prevention
- Early and increased prostate cancer screenings
- Consideration of MRI-based screening/technologies

Capstone Genetics currently offers the analysis of 55 of the most clinically relevant genomic mutations associated with cancer.

Comprehensive Panel

ATM, BARD1, BRCA1, BRCA2, BRIP1, NBN, NF1, PALB2, RAD50, RAD51C, RAD51D, STK11, CHEK2, TP53, PTEN, APM2, MLH1, MSH2, MSH6, PMS2, EPCAM, DICER1, SMARC4A, APC, BMPR1A, CDKN2A, MEN1, SMAD4, VHL, TSC1, TSC2, WT1, GREM1, CDH1, AXIN1, MUTYH, POLD1, BAP1, PTCH1, MET, CDC73, CDKN1C, DIS3L2, FH, FLCN, GPC3, PAKAR1A, RB1, REQL4, SDHA, SDHB, SDHC, SDHD, SUFU, RET (55 genes)

Breast Panel

ATM, BARD1, BRCA1, BRCA2, BRIP1, NBN, NF1, PALB2, RAD50, RAD51C, RAD51D, STK11, CHEK2, TP53, PTEN, CDH1 (16 genes)

Breast/Gyn Panel

ATM, BARD1, BRCA1, BRCA2, BRIP1, NBN, NF1, PALB2, RAD50, RAD51C, RAD51D, MLH1, MSH2, MSH6, PMS2, EPCAM, STK11, CHEK2, TP53, PTEN, CDH1, DICER1, SMARC4A (23 genes)

Pancreatic Panel

APC, ATM, BMPR1A, BRCA1, BRCA2, CDKN2A, MEN1, NBN, PALB2, SMAD4, MLH1, MSH2, PMS2, EPCAM, STK11, TP53, VHL, TSC1, TSC2, WT1 (20 genes)

Prostate Panel

ATM, BRCA1, BRCA2, NBN, MLH1, MSH2, MSH6, PMS2, EPCAM, CHEK2, TP53, APM2 (12 genes)

Colorectal Panel

APC, BMPR1A, SMAD4, MLH1, MSH2, MSH6, PMS2, EPCAM, STK11, CHEK2, TP53, PTEN, CDH1, AXIN1, GREM1, MUTYH, POLD1, RET (18 genes)

Renal/Urinary Tract Panel

MET, PTCH1, MLH1, MSH2, MSH6, PMS2, EPCAM, TP53, PTEN, VHL, DICER1, BAP1, CDC73, CDKN1C, DIS3L2, FH, FLCN, GPC3, PAKAR1A, RB1, REQL4, SDHA, SDHB, SDHC, SDHD, SUFU, APM2 (27 genes)
