

## KANSER VE GENETİK POLİKLİNİĞİ

Akciğer, kolorektal ve gastrointestinal rahatsızlıklar gibi vücudun her yerinde meydana gelebilecek kontrolsüz hücre çoğalmasını incelemek ve segregasyon analizi ile postnatal tanıda teşhis koyabilmek; prenatal tanıda ön tanı geliştirip önlem alabilmek için yapılan çalışmaların olduğu panellerdir.

### 1. Kapsamlı Hematoloji ve Kalıtsal Kanser Paneli Genleri;

- ✓ ABCA3, ABCB7, ABCG5, ABCG8, ACD, ACTB, ACTN1, ADAMTS13, AIP, AK1, AK2, ALAS2, ALK, AMN, ANK1, ANKRD26, AP3B1, AP3D1, APC, ARPC1B, ATM, ATR, ATRX, AXIN2, BAP1, BARD1, BLM, BLOC1S3, BLOC1S6, BMPR1A, BRAF, BRCA1, BRCA2, BRIP1, BUB1B, C15ORF41, CBL, CD70, CDAN1, CDC42, CDC73, CDH1, CDK4, CDKN1B, CDKN1C, CDKN2A, CEBPA, CEP57, CHEK2, CLCN7, CLPB, CSF2RA, CSF3R, CTC1, CTSC, CUBN, CXCR4, CYB5R3, CYCS, CYLD, DDB2, DDX41, DHFR, DICER1, DIS3L2, DKC1, DNAJC21, DNASE2, DTNBP1, EFL1, EGFR, EGLN1, ELANE, EPAS1, EPB41, EPB42, EPCAM, EPOR, ERCC1, ERCC2, ERCC3, ERCC4, ERCC5, ERCC6L2, ETV6, EXO1, EXT1, EXT2, EZH2, F10, F11, F12, F13A1, F13B, F2, F5, F7, F8, F9, FADD, FAM111B, FANCA, FANCB, FANCC, FANCD2, FANCE, FANCF, FANCG, FANCI, FANCL, FANCM, FAS, FASLG, FGA, FGB, FGG, FH, FLCN, FLI1, FLNA, FYB, G6PC3, G6PD, GALNT12, GATA1, GATA2, GBA, GCLC, GFII1, GFII2, GGCX, GINS1, GP1BA, GP1BB, GP9, GPC3, GPI, GPR143, GREM1, GSS, HAX1, HBA1, HBA2, HBB, HFE, HNF1A, HOXA11, HOXB13, HPS1, HPS3, HPS4, HPS5, HPS6, HRAS, IFNGR2, IKZF1, ITGA2, ITGA2B, ITGB3, ITK, JAGN1, JAK2, KIF23, KIT, KITLG, KLF1, KRAS, LAMTOR2, LMAN1, LPIN2, LYST, LZTR1, MAGT1, MAP2K1, MAP2K2, MASTL, MAX, MCFD2, MECOM, MEN1, MET, MITF, MKL1, MLH1, MLH3, MPL, MRE11A, MSH2, MSH3, MSH6, MTHFD1, MTR, MUTYH, MYH9, MYO5A, NBEAL2, NBN, NF1, NF2, NHP2, NOP10, NRAS, NSD1, NSUN2, NT5C3A, NTHL1, OCA2, P2RY12, PALB2, PARN, PAX5, PC, PDGFRA, PDHA1, PDHX, PGM3, PHOX2B, PIEZO1, PKLR, PMS1, PMS2, POLD1, POLE, POLH, POT1, PPM1D, PRF1, PRKACG, PRKAR1A, PROC, PROS1, PTCH1, PTEN, PTPN11, PUS1, RAB27A, RAC2, RAD50, RAD51C, RAD51D, RAF1, RASA2, RASGRP2, RB1, RBM8A, RECQL, RECQL4, REN, REST, RET, RHAG, RHBDF2, RIT1, RNF168, RPL11, RPL15, RPL27, RPL31, RPL35A, RPL5, RPS10, RPS19, RPS20, RPS24, RPS26, RPS28, RPS29, RPS7, RRAS, RTEL1, RUNX1, SAMD9, SAMD9L, SBDS, SDHA, SDHAF2, SDHB, SDHC, SDHD, SEC23B, SERPINC1, SERPINF2, SFTPB, SFTPC, SH2D1A, SHOC2, SLC11A2, SLC19A2, SLC25A38, SLC37A4, SLC45A2, SLC46A1, SLC4A1, SLFN14, SLX4, SMAD4, SMARCA4, SMARCB1, SMARCD2, SOS1, SOS2, SPRED1, SPTA1, SPTB, SRC, SRP54, SRP72, STK11, STX11, STXBP2, SUFU, TBXA2R, TCN2, TERC, TERT, TF, THBD, THPO, TINF2, TMEM127, TMPRSS6, TP53, TPI1, TRNT1, TSC1, TSC2, TUBB1, TYR, TYRP1, UBE2T, UNC13D, USB1, VHL, VKORC1, VPS13B, VPS45, VWF, WAS, WDR1, WIPF1, WRAP53, WRN, WT1, XIAP, XPA, XPC, XRCC2, YARS2

## 2. Kapsamlı Kalıtsal Kanser Paneli Genleri;

✓ AIP, ALK, ANKRD26, APC, ATM, AXIN2, BAP1, BARD1, BLM, BMP1A, BRAF, BRCA1, BRCA2, BRIP1, BUB1B, CBL, CD70, CDC73, CDH1, CDK4, CDKN1B, CDKN1C, CDKN2A, CEBPA, CEP57, CHEK2, CYLD, DDB2, DDX41, DICER1, DIS3L2, DKC1, EFL1, EGFR, ELANE, EPCAM, ERCC1, ERCC2, ERCC3, ERCC4, ERCC5, ETV6, EXO1, EXT1, EXT2, EZH2, FAM111B, FANCA, FANCB, FANCC, FANCD2, FANCE, FANCF, FANCG, FANCI, FANCL, FANCM, FH, FLCN, GALNT12, GATA2, GPC3, GREM1, HNF1A, HOXB13, HRAS, IKZF1, KIT, KITLG, KRAS, LZTR1, MAP2K1, MAP2K2, MAX, MEN1, MET, MITF, MLH1, MLH3, MRE11A, MSH2, MSH3, MSH6, MUTYH, NBN, NF1, NF2, NRAS, NSD1, NSUN2, NTHL1, PALB2, PAX5, PDGFRA, PHOX2B, PMS1, PMS2, POLD1, POLE, POLH, POT1, PPM1D, PRF1, PRKAR1A, PTCH1, PTEN, PTPN11, RAD50, RAD51C, RAD51D, RAF1, RASA2, RB1, RECQL, RECQL4, REST, RET, RHBDF2, RIT1, RPS20, RRAS, RUNX1, SAMD9, SAMD9L, SBDS, SDHA, SDHAF2, SDHB, SDHC, SDHD, SHOC2, SLX4, SMAD4, SMARCA4, SMARCB1, SOS1, SOS2, SPRED1, SRP72, STK11, SUFU, TERC, TERT, TINF2, TMEM127, TP53, TSC1, TSC2, VHL, WRN, WT1, XPA, XPC, XRCC2

## 3. Kalıtsal Meme ve Jinekolojik Kanser Paneli Genleri;

✓ ATM, BARD1, BLM, BRCA1, BRCA2, BRIP1, CDH1, CHEK2, DICER1, EPCAM, FANCM, MLH1, MRE11A, MSH2, MSH6, NBN, NF1, PALB2, PMS2, PTEN, RAD50, RAD51C, RAD51D, RECQL, SMARCA4, STK11, TP53, XRCC2

## 4. Kalıtsal Meme Kanseri Yüksek Risk Paneli Genleri;

✓ BRCA1, BRCA2, CDH1, PALB2, PTEN, RECQL, STK11, TP53

**5. Kalıtsal Kanser  
Yüksek Risk Paneli  
Genleri;**

- ✓ APC ,ATM, BAP1, BMPR1A, BRCA1, BRCA2, CDH1, CDK4, CDKN2A, CHEK2, EPCAM, MEN1, MLH1, MSH2, MSH6, MUTYH, PALB2, PMS2, POLD1, POLE, PTEN, RAD51C, RAD51D, RET, SMAD4, STK11, TP53, VHL

**6. Kalıtsal Kolorektal  
Kanser Paneli Genleri;**

- ✓ APC, AXIN2, BLM, BMPR1A, EPCAM, GALNT12, GREM1, MLH1, MSH2, MSH3, MSH6, MUTYH, NTHL1, PMS2, POLD1, POLE, PTEN, RPS20, SMAD4, STK11, TP53

**7. Kalıtsal Endokrin  
Kanser Paneli Genleri;**

- ✓ AIP, APC, CDC73, CDKN1B, DICER1, FH, MAX, MEN1, MET, NF1, PRKAR1A, PTEN, RET, SDHA, SDHAF2, SDHB, SDHC, SDHD, TMEM127, TP53, VHL, WRN

**8. Kalıtsal  
Gastrointestinal Kanser  
Paneli Genleri;**

- ✓ APC ,ATM, AXIN2, BLM, BMPR1A, BRCA1, BRCA2, BUB1B, CDH1, CDKN2A, EPCAM, FANCC, GALNT12, GREM1, KIT, MEN1, MLH1, MSH2, MSH3, MSH6, MUTYH, NF1, NTHL1, PALB2, PDGFRA, PMS2, POLD1, POLE, PTEN, RHBDF2, RPS20, SDHB, SDHC, SDHD, SMAD4, SMARCB1, STK11, TMEM127, TP53, TSC1, TSC2, VHL

**9. Kalıtsal Lösemi  
Paneli Genleri;**

- ✓ ANKRD26, ATM, BLM, BRAF, BRCA1, BRCA2, CBL, CDKN2A, CEBPA, DDX41, DKC1, EFL1, EPCAM, ETV6, FANCA, GATA2, HRAS, IKZF1, KRAS, MAP2K1, MAP2K2, MLH1, MSH2, MSH6, NBN, NF1, NRAS, PAX5, PMS2, PTPN11, RIT1, RUNX1, SAMD9, SAMD9L, SBDS, SOS1, SRP72, TERC, TERT, TINF2, TP53



**10. Kalıtsal Akciğer  
Kanseri Paneli Genleri;**

✓ BRCA2, CDKN2A, EGFR, FAM111B, TP53



**11. Kalıtsal Melanom  
ve Cilt Kanseri Paneli  
Genleri;**

✓ BAP1, BRCA1, BRCA2, CDK4, CDKN2A, DDB2,  
ERCC2, ERCC3, ERCC4, ERCC5, MITF, POT1, PTCH1,  
PTEN, SUFU, TP53, WRN, XPA, XPC



**12. Kalıtsal Pankreas  
Kanseri Çekirdek  
Paneli Genleri;**

✓ BRCA1, BRCA2, CDKN2A, PALB2, STK11



**13. Kalıtsal Pankreas  
Kanseri Paneli Genleri;**

✓ APC, ATM, BMPR1A, BRCA1, BRCA2, BUB1B,  
CDKN2A, EPCAM, FANCC, MEN1, MLH1, MSH2,  
MSH6, NF1, PALB2, PMS2, SMAD4, STK11, TP53,  
TSC1, TSC2, VHL



**14. Kalıtsal  
Paraganglioma-  
Feokromositoma Paneli  
Genleri;**

✓ FH, MAX, NF1, RET, SDHA, SDHAF2, SDHB,  
SDHC, SDHD, TMEM127, VHL

**15. Kalıtsal Pediatrik  
Kanser Paneli Genleri;**

- ✓ ALK, APC, AXIN2, BAP1, BLM, BMPR1A, BRAF, BUB1B, CBL, CDC73, CDKN1C, CEBPA, DICER1, DIS3L2, EPCAM, EZH2, FH, GATA2, GPC3, HRAS, KRAS, LZTR1, MAP2K1, MAP2K2, MAX, MEN1, MLH1, MSH2, MSH6, NBN, NF1, NF2, NRAS, NSD1, NSUN2, PAX5, PHOX2B, PMS2, PRF1, PRKAR1A, PTCH1, PTEN, PTPN11, RAF1, RASA2, RECQL4, REST, RET, RIT1, RRAS, RUNX1, SDHA, SDHAF2, SDHB, SDHC, SDHD, SHOC2, SMAD4, SMARCA4, SMARCB1, SOS1, SOS2, STK11, SUFU, TMM127, TP53, TSC1, TSC2, VHL, WRN, WT1

**16. Kalıtsal Böbrek  
Kanseri Paneli Genleri;**

- ✓ BAP1, CDC73, CDKN1C, DICER1, DIS3L2, EPCAM, FH, FLCN, GPC3, MET, MLH1, MSH2, MSH6, PMS2, PTEN, REST, SDHB, SDHC, SDHD, SMARCA4, SMARCB1, TP53, TSC1, TSC2, VHL, WT1

**17. Kalıtsal  
Retinoblastom Paneli  
Genleri;**

- ✓ RB1

**18. Nörofibromatozis  
Paneli Genleri;**

- ✓ KIT, KITLG, LZTR1, NF1, NF2, PTPN11, RAF1, SMARCB1, SPRED1



**19. Tuberosklerozis  
Paneli Genleri;**

✓ TSC1, TSC2



**20. Xeroderma  
Pigmentosum Paneli  
Genleri;**

✓ DDB2, ERCC1, ERCC2, ERCC3, ERCC4, ERCC5,  
POLH, XPA, XPC