



Requesting physician:

Patient information:

Request Form Familial Tumor Predispositions

Cause of examination: diagnostic predictive for familial mutation _____

Clinical information:

Family history:

- Patient clinically affected
 No previous molecular genetic examinations existent
 The following previous molecular genetic examinations have been done:

Date / Time of sampling:

Signature:

Specimen requirements and logistics:

- Patient Consent Form for Genetic Testing according to the German Law and Request Form
- Billing information (Insurance-, Institutional- or Selfpay-Billing)
- 5 ml EDTA blood collection tube labeled with patient name and date of birth

Patient name: _____ DOB: _____

Therapy-relevant diagnostics of BRCA1/BRCA2

- Testing before using a PARP inhibitor
(a genetic consultation is not necessary before the examination)
(Indication: advanced ovarian cancer, metastatic and HER2-negative breast cancer, metastatic pancreatic cancer after platinum-based chemotherapy, metastatic, castration-resistant prostate cancer)
- Hereditary breast and ovarian cancer (HBOC)**
Step 1: *BRCA1, BRCA2, CHEK2, PALB2, RAD51C*
Step 2: *ATM, BRIP1, CDH1, EPCAM, MLH1, MSH2, MSH6, PMS2, PTEN, RAD51D, STK11, TP53*
- Hereditary non-polyposis colon cancer (HNPCC)/Lynch syndrome**
after pos. MSI or downregulated expression
 - MSH2, MSH6*
 - MLH1, PMS2*If Amsterdam II criteria are met:
 - Step 1: *MLH1, MSH2, MSH6, PMS2*
 - Step 2: *EPCAM*
- Familial adenomatous polyposis (FAP)**
APC
- MUTYH- associated polyposis (MAP)**
MUTYH
- Polymerase proofreading-associated polyposis (PPAP)**
POLD1, POLE
- Panel analysis polyposis coli**
APC, MUTYH, POLD1, POLE
- Familial juvenile polyposis syndrome**
BMPR1A, SMAD4
- Peutz-Jeghers-syndrome**
STK11
- Cowden-syndrome**
PTEN
- Diffus-type gastric cancer**
CDH1
- Hereditary gastric cancer**
BMPR1A, BRCA2, CDH1, CHEK2, EPCAM, MLH1, MSH2, MSH6, PMS2, STK11, TP53
- Hereditary pancreatic cancer**
Step 1: *BRCA1, BRCA2, CDKN2A, CHEK2, PALB2, STK11*
Step 2: *APC, ATM, BMPR1A, EPCAM, MLH1, MSH2, MSH6, PMS2, PTEN, SMAD4, TP53, VHL*
- Li Fraumeni-syndrome**
TP53, CHEK2
- Multiple endocrine neoplasia type 1 (MEN1)**
MEN1
- Von Hippel-Lindau-syndrome**
VHL
- Fanconi anaemia**
Step 1: *FANCA, FANCB, FANCC, FANCD2, FANCE, FANCF, FANCG, FANCI, FANCL*
Step 2: *BRCA1, BRCA2, BRIP1, FANCM, PALB2, RAD51C, SLX4*
- Wilms Tumor**
WT1
- Hereditary renal cell carcinoma**
BAP1, CDKN1C, CHEK2, DICER1, DIS3L2, EPCAM, FH, FLCN, GPC3, HNF1A, MET, MLH1, MSH2, MSH6, PALB2, PMS2, PTEN, SDHA, SDHAF2, SDHB, SDHC, SDHD, TP53, TSC1, TSC2, VHL, WT1
- Hereditary pheochromocytoma and paraganglioma syndrome**
BAP1, FH, MAX, MEN1, NF1, PRKAR1A, RET, SDHA, SDHAF2, SDHB, SDHC, SDHD, TMEM127, VHL