

THE OHIO STATE UNIVERSITY James Cancer Hospital and Solove Research Institute

Clinical Cancer Genetics Program

For more information, or for referrals, call (614) 293-6694, toll free (888) 329-1654, fax (614) 293-2314,
or go to www.jamesline.com/go/cancergenetics

Indications for Referral for Cancer Genetics Consultation

- Note: 1) Cancer cases must all be on the same side of the family
2) FDR = first degree relative (parents, siblings, children)
3) SDR = second degree relative (grandparents, grandchildren, aunts, uncles)

Hereditary Breast and Ovarian Cancer Syndrome

For Non-Ashkenazi Jewish families:

Any of the following:

- 1 case of breast cancer at 40 or younger in a FDR or SDR
- 1 FDR or SDR with both breast and ovarian cancer, at any age
- 2 or more cases of breast cancer in FDRs or SDRs if 1 is 50 or younger or bilateral
- 1 FDR or SDR with breast cancer at 50 or younger or bilateral and 1 FDR or SDR with ovarian cancer
- 3 cases of breast or ovarian cancer (at least 1 case of ovarian cancer) in FDRs and SDRs
- 2 cases of ovarian cancer in FDRs and SDRs
- 1 case of male breast cancer in a FDR or SDR if another FDR or SDR has breast or ovarian cancer

For Ashkenazi Jewish families:

Any of the following:

- 1 case of breast cancer at 50 or younger in a FDR or SDR
- 1 case of ovarian cancer at any age in a FDR or SDR
- 1 FDR or SDR with breast cancer at any age if another FDR or SDR has breast and/or ovarian cancer at any age
- 1 case of male breast cancer in a FDR or SDR

Hereditary Colorectal Cancer (HNPCC)

Any of the following criteria:

- 3 FDRs or SDRs affected with any HNPCC associated cancer (*colorectal, endometrial, stomach, ovary, small bowel, pancreas, ureter or renal pelvis, all cases can occur in one generation, no age restriction)
- 1 FDR or SDR with 2 or more HNPCC-associated cancers*
- 1 FDR with Colorectal Cancer before 50

Polyposis

- Any FDR or SDR with more than 10 colorectal polyps

Hereditary Prostate

Any of the following:

- 3 FDRs or SDRs with prostate cancer at any age
- 2 FDRs or 1 SDR and 1 FDR with prostate cancer, 1 before 60

Hereditary Melanoma

- 3 FDRs or SDRs affected with melanoma or pancreatic cancer (must include more than 1 case of melanoma)
- 1 FDR or SDR with multiple primary melanomas

Li-Fraumeni Syndrome

All of the following criteria:

- 1 FDR or SDR with sarcoma, brain, or adrenal cancer before 45; and
- 1 FDR or SDR with sarcoma, breast, brain, adrenal or leukemia at any age; and
- 1 FDR or SDR with any cancer before 60

Multiple Endocrine Neoplasia/Thyroid Cancer

High Risk for MEN 1

- 2 cases of pancreatic (islet cell) cancer, parathyroid (hyperplasia) and/or pituitary adenoma in FDRs or SDRs (can be same person)

High Risk for MEN 2

- 2 cases of thyroid cancer in FDRs or SDRs
- 1 FDR or SDR with thyroid cancer and 1 FDR or SDR with parathyroid (hyperplasia) or adrenal cancer (can be same person)

Other

Cluster of Cancers

- 3 cases of the following cancers in one genetic lineage: bladder, brain, esophageal, kidney, lung, mouth or throat, multiple myeloma, pancreatic, sarcoma, stomach, other skin cancers, testicular (in FDRs or SDRs)

Hematologic Cancers

- 3 FDRs or SDRs with any of the following: Hodgkin's disease, non-Hodgkin's lymphoma, or leukemia

A single case of:

- Medullary thyroid cancer, adrenocortical carcinoma, pheochromocytoma, paraganglioma, Wilms' tumor, or retinoblastoma



Medical Center
CCC-The James



A Comprehensive Cancer Center Designated by the National Cancer Institute