Genetic Counseling for Cancer Risk – Considerations for Referral

Hereditary Breast Ovarian Cancer Syndrome (BRCA1/BRCA2)	Li-Fraumeni Syndrome
Any personal or family history of:	Two or more close relatives with one or more of the following types of neoplasms:
 Breast Cancer diagnosed at or before age 50 bilateral breast cancer triple negative breast cancer male breast cancer diagnosed at any age if any additional family history of breast, ovarian, pancreatic or prostate cancer in a close relative 	 sarcoma (soft tissue or osteosarcoma) early onset breast cancer acute leukemia adrenocortical tumor brain tumor pediatric cancers
 Ovarian Cancer diagnosed at any age Prostate Cancer metastatic high grade, if any additional family history of breast, ovarian, pancreatic or prostate cancer in a close relative 	PTEN Hamartoma Tumor Syndrome (Cowden Syndrome) Six or more characteristic mucocutaneous lesions (facial trichilemmomas, acral keratoses, papillomatous papules, mucosal lesions) -or- A strong personal and/or family history that includes two or
 Pancreatic Cancer diagnosed at any age if any additional family history of breast, ovarian, pancreatic or prostate cancer in a close relative Any Cancer BRCA1 or BRCA2 mutation detected on somatic tumor sequencing In Ashkenazi Jewish families: 	 more of the following findings: breast cancer non-medullary thyroid cancer endometrial carcincoma macrocephaly Lhermitte-Duclos disease (LDD) benign breast disease or thyroid lesions gastrointestinal hamartomas
 Breast, Ovarian, High Grade Prostate or Pancreatic Cancer Personal or family history at any age 	autism
	Other Hereditary Cancer Syndromes
Lynch Syndrome	Personal/family history of rare or multiple tumors, including:
 Any personal or family history of: Colorectal or Endometrial Cancer diagnosed before age 50 diagnosed at any age if any additional family history of at least one additional close relative with colorectal or other Lynch syndrome associated cancer¹ tumor has features of microsatellite instability/mismatch repair deficiency synchronous or metachronous Lynch syndrome-associated cancer¹ in the same individual 1. colorectal cancer, cancer of the endometrium, small bowel, stomach, ovary, pancreas, ureter and renal pelvis, bilary tract and brain (usually glioblastoma), as well as sebaceous gland adenomas and keratoachanthomas 	 any multiple or bilateral primary cancers in one individual diffuse gastric cancer medullary thyroid cancer multiple melanomas with or without multiple dysplastic nevi and/or pancreatic cancer multiple hamartomatous gastrointestinal polyps (juvenile, Peutz-Jeghers type) paraganglioma and/or pheochromocytoma renal carcinoma of the following types: type II papillary oncocytic and/or chromophobe sex cord-stromal tumors, including Sertoli-Leydig tumors
	Reproductive Carrier Screening
Adenomatous Polyposis Syndromes (FAP, AFAP and MAP) Any person with a total of 10-20 or more adenomatous polyps of the colon and/ or rectum with or without a family history of colorectal cancer	Individual identified as a carrier for a single mutation in: ATM FH NBN