Oncology Clinical Pathways Breast Cancer Risk Reduction

February 2025 - V1.2025







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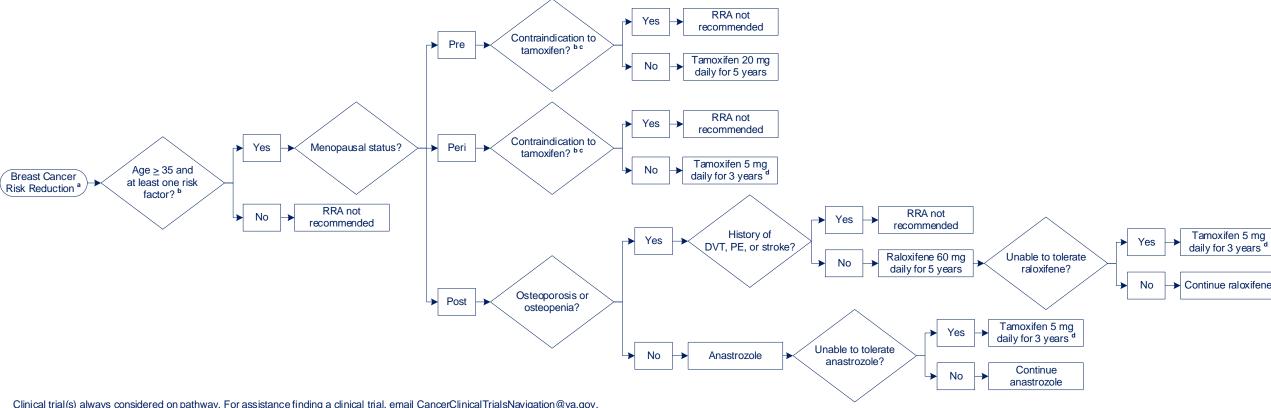
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Breast Cancer Risk Reduction



^a High Risk Patients screening for high risk patients includes annual mammogram and annual MRI for patients with ≥20% lifetime risk based on risk models such as Tyrer-Cuzick; common practice is alternating mammogram and MRI every 6 months; if assistance is needed, refer to a local high risk breast clinic or the National TeleOncology high risk breast clinic for discussion of risk-reducing strategy

Prisk Factors include Gail Model ≥ 1.7% at 5 years, Tyrer-Cuzick > 5% at 10 years, received chest irradiation prior to age 30, ADH/ALH, LCIS, or pathogenic/likely pathogenic germline genetic variant

Tamoxifen Contraindications history of DVT, PE, or stroke; known hypersensitivity to tamoxifen, pregnancy, uterine malignancy, concomitant warfarin therapy

Tamoxifen if providing 10mg, take one tablet every other day

ADH/ALH Atypical Ductal Hyperplasia/Atypical Lobular Hyperplasia LCIS Lobular carcinoma in situ RRA Risk Reducing Agent







Pathogenic/Likely Pathogenic Germline Genetic Variant for an Increased Risk of Breast Cancer

ATM	 Screening: annual mammogram starting at age 40 years and consider breast MRI starting at age 30-35 years RRM: evidence insufficient; manage based on family history
BARD1	 Screening: annual mammogram and consider breast MRI starting at age 40 years RRM: evidence insufficient; manage based on family history
BRCA1 Male Birth Sex	Self-exam training and clinical breast exam q12m starting at age 35 years
BRCA1 Female Birth Sex	 Screening: annual breast MRI starting at age 25 years; mammogram and breast MRI age 30-75 years; >75 years manage based on individual basis RRM: discuss option of RRM; RRSO reduces breast cancer risk approximately by 50% if performed prior to menopause; refer to GynOnc
BRCA2 Male Birth Sex	Self-exam training and clinical breast exam q12m starting at age 35 years; consider annual mammogram starting at age 50 years or 10 years before the earliest known male breast cancer in the family
BRCA2 Female Birth Sex	 Screening: annual breast MRI starting at age 25 years; mammogram and breast MRI age 30-75 years; >75 years manage based on individual basis RRM: discuss option of RRM; RRSO reduces breast cancer risk approximately by 50% if performed prior to menopause; refer to GynOnc
CDH1	 Screening: annual mammogram and breast MRI starting at age 30 RRM: discuss option of RRM
CHEK2	 Screening: consider breast MRI starting at age 30-35 years; annual mammogram starting at age 40 years RRM: evidence insufficient; manage based on family history
NF1	 Screening: annual mammogram starting at age 30 years and breast MRI starting from ages 30-50 years RRM: evidence insufficient; manage based on family history
PALB2 Male Birth Sex	Self-exam training and clinical breast exam q12m starting at age 35 years
PALB2 Female Birth Sex	Screening: annual mammogram starting and breast MRI at age 30 years RRM: discuss option of RRM
PTEN	 Screening: annual mammogram and breast MRI starting at age 30 years or 10 years before the earliest known breast cancer in the family up to 75 years of age; >75 years manage based on individual basis RRM: discuss option of RRM
RAD51C, RAD51D	 Screening: annual mammogram and breast MRI starting at age 40 years RRM: evidence insufficient; manage based on family history
STK11	 Screening: annual mammogram and breast MRI starting at age 30 years RRM: discuss option of RRM
TP53	 Screening: annual breast MRI age 20-29 years, mammogram and breast MRI age 30-75 years, >75 years manage based on individual basis RRM: discuss option of RRM
BRIP1, CDKN2A, EPCAM, MSH2, ILH1, MSH6, PMS2	Screening and RRM: evidence insufficient; manage based on family history

^a High Risk Patients screening includes annual mammogram and annual MRI for patients with ≥20% lifetime risk based on risk models such as Tyrer-Cuzick; common practice is alternating mammogram and MRI every 6 months

RRM Risk-Reducing Mastectomy
RRSO Risk Reducing Salpingo Oophorectomy







^b **Germline Genetic Considerations** pathogenic/likely pathogenic germline findings may also increase risk for other cancers; consider options to address other risk management such as genetics annual follow-up clinic