

NYU Langone Health

BREAST CANCER SCREENING: An Evidence Based Approach

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BREAST SURGERY





















Evidence of Benefit: Randomized Controlled Trials (RCT)

NYU Langone Health Division/Department 11















Mammographically Detected Cancers Are Just Different

More effectively treated Women in their 40s and women >75 have lower stage disease, less treatment and better disease-specific survival The method of detection is an independent prognostic factor for breast cancer mortality

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Breast Cancer Screening of Women at Higher Than Average Risk



Division/Department 25

Higher risk women need supplemental and earlier screening

Risk	DM +/- DBT	MRI⁺
Known genetic mutation or lifetime risk ≥20%	Annually starting at age 30	Annually starting at age 25–30
Breast cancer history and dense breasts at any age or breast cancer diagnosed <age 50</age 	Annually starting at time of diagnosis	Annually starting at time of diagnosis
History of chest radiation therapy before age 30	Annually starting at age 25 or 8yrs after therapy (whichever is later)	Annually starting at age 25–30
History of ADH, ALH, LCIS or personal breast cancer history other than above	Annually starting at time of diagnosis	Consider annually starting at time of diagnosis



Monticciolo DL et al, J Am Coll Radiol 2018;15:408-





Transgender and Gender Diverse Patients		
 For average risk transgender patients, recommendations depend on sex assigned at birth, use and duration of hormones and surgical history and are based on limited data and expert opinion. 		
 Annual screening at 40 is recommended for transfeminine (male to female) patients who have used hormones for ≥ 5 years, as well as for transmasculine (female-to-male) patients who have not had a mastectomy. 		
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