# Principles of Breast Cancer Screening

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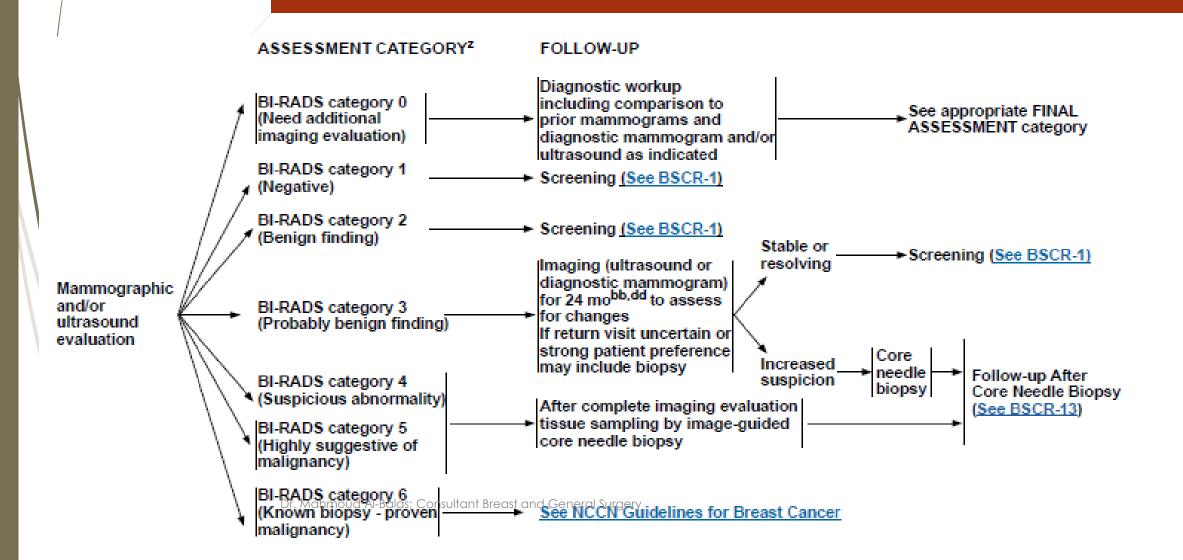
NCCN Clinical Practice Guidelines in Oncology (NCCN Guidelines®)

# **Breast Cancer Screening and Diagnosis**

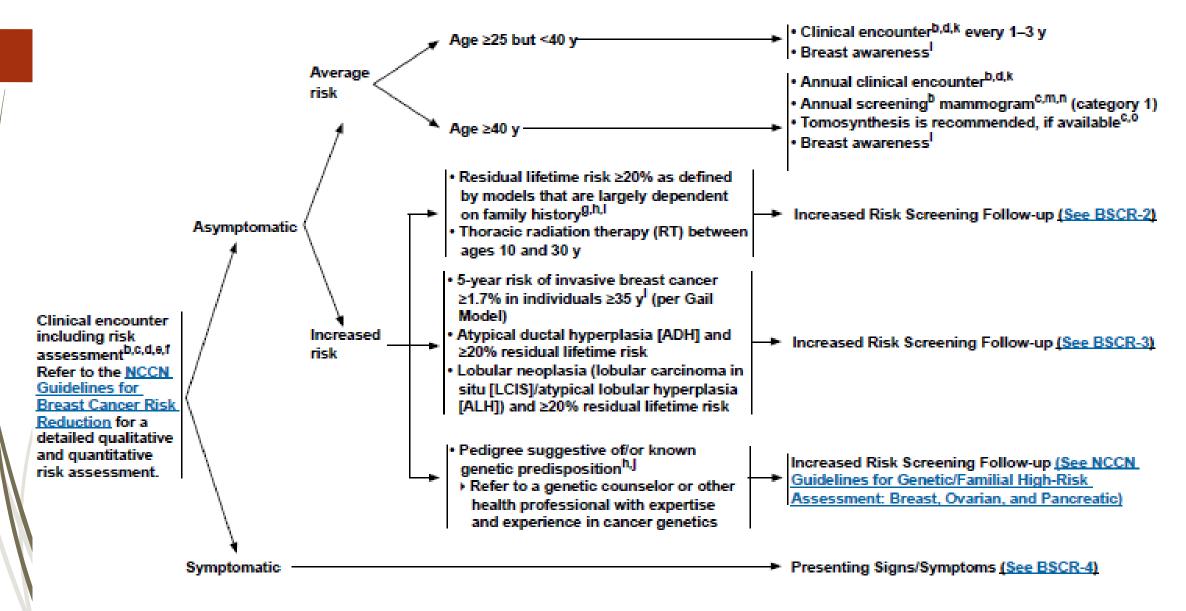
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# **BI-RADS Category**



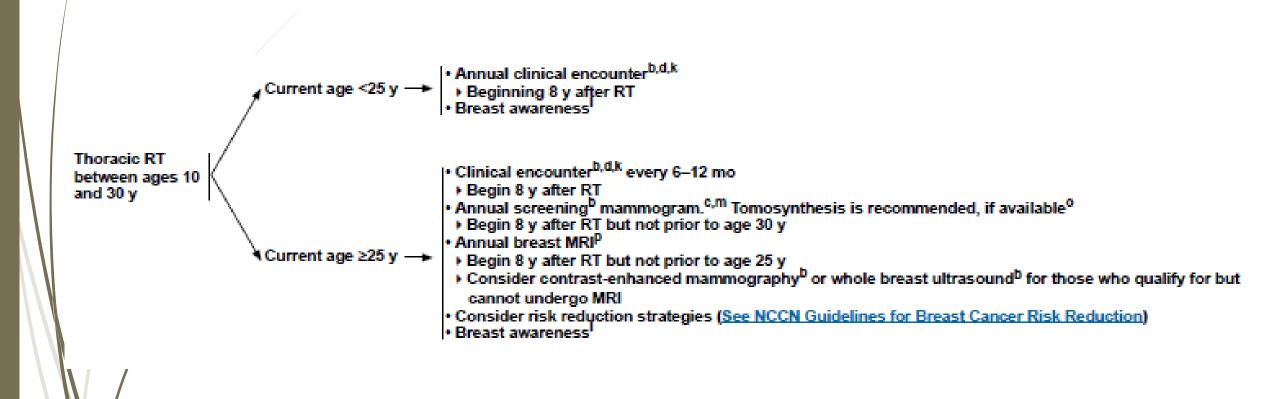
## SCREENING/FOLLOW-UPb



## Increased Risk:

Residual lifetime risk ≥20% as defined by models that are largely dependent on family history<sup>g,h,l</sup>

- Clinical encounter<sup>b,d,k</sup> every 6–12 mo
- To begin when identified as being at increased risk, but not prior to age 21 y
- Consider referral to a genetic counselor or other health professional with expertise and experience in cancer genetics, if not already done
- Consider referral to a breast specialist as appropriate
  Annual screening<sup>b</sup> mammogram.<sup>c,m</sup> Tomosynthesis is recommended, if available<sup>o</sup>
- To begin 10 years prior to when the youngest family member was diagnosed with breast cancer, not prior to age 30 y or begin at age 40 y (whichever comes first)
- Annual breast MRIP
- To begin 10 years prior to when the youngest family member was diagnosed with breast cancer, not prior to age 25 yq or begin at age 40 y (whichever comes first)
- Consider contrast-enhanced mammography<sup>b</sup> or whole breast ultrasound<sup>b</sup> for those who qualify for but cannot undergo MRI
- Consider risk reduction strategies (See NCCN Guidelines for Breast Cancer Risk Reduction)
- Breast awareness



5-year risk of invasive breast cancer ≥1.7% in individuals ≥35 y (per Gail Model)

- Clinical encounter<sup>b,d,k</sup> every 6–12 mo
- To begin when identified as being at increased risk by Gail Model
  Annual screening<sup>b</sup> mammogram.<sup>C,M</sup> Tomosynthesis is recommended, if available<sup>0</sup>
- > To begin when identified as being at increased risk by Gail Model
- Consider risk reduction strategies (See NCCN Guidelines for Breast Cancer Risk Reduction)
- Breast awareness!

ADH<sup>r</sup> or Lobular neoplasia (LCIS/ALH) and ≥20% residual lifetime risk

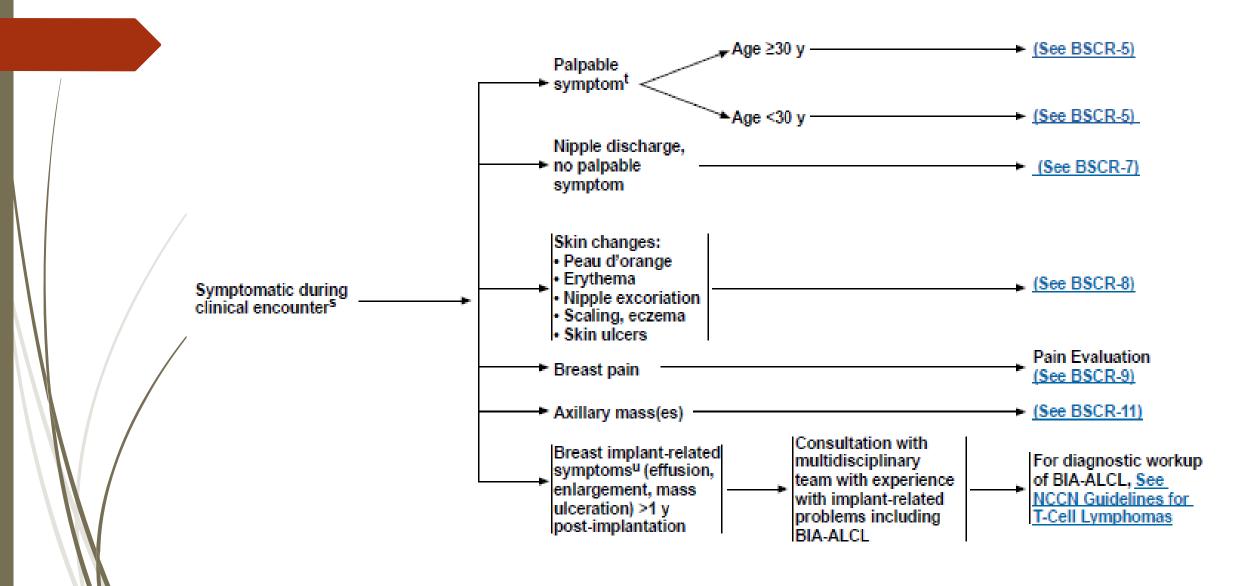
- Clinical encounter<sup>b,d,k</sup> every 6–12 mo
- To begin at diagnosis of ADH or lobular neoplasia (LCIS/ALH)
- Annual screening<sup>b</sup> mammogram.<sup>c,m</sup> Tomosynthesis is recommended, if available<sup>o</sup>
- ▶ To begin at diagnosis of ADH or lobular neoplasia (LCIS/ALH) but not prior to age 30 y
- Consider annual breast MRI<sup>b,p</sup>
- ▶ To begin at diagnosis of ADH or lobular neoplasia (LCIS/ALH) but not prior to age 25 y
- Consider contrast-enhanced mammography<sup>b</sup> or whole breast ultrasound<sup>b</sup> for those who qualify for but cannot undergo MRI
- Consider risk reduction strategies (See NCCN Guidelines for Breast Cancer Risk Reduction)
- Breast awareness!





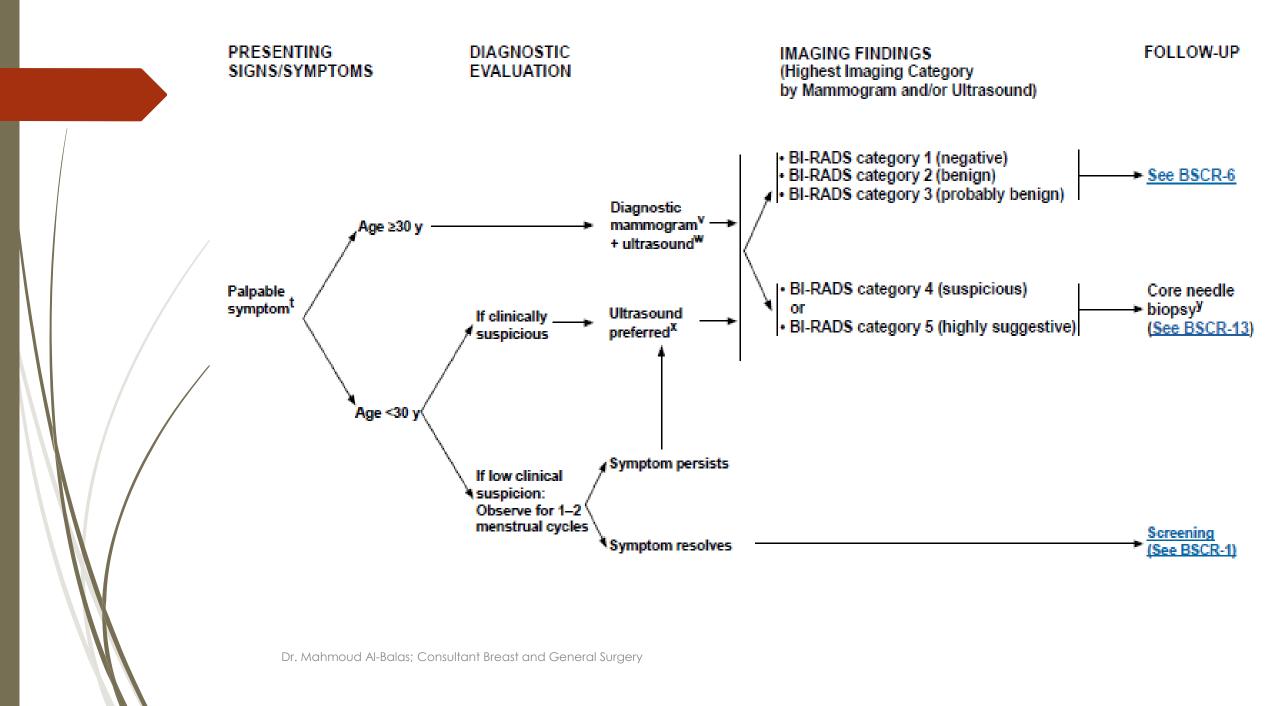


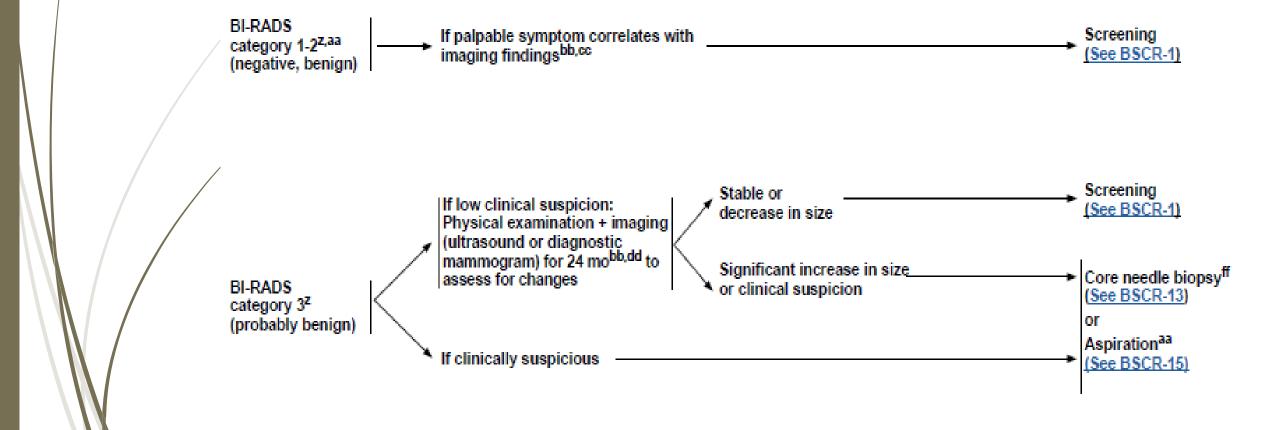
## DIAGNOSTIC EVALUATION







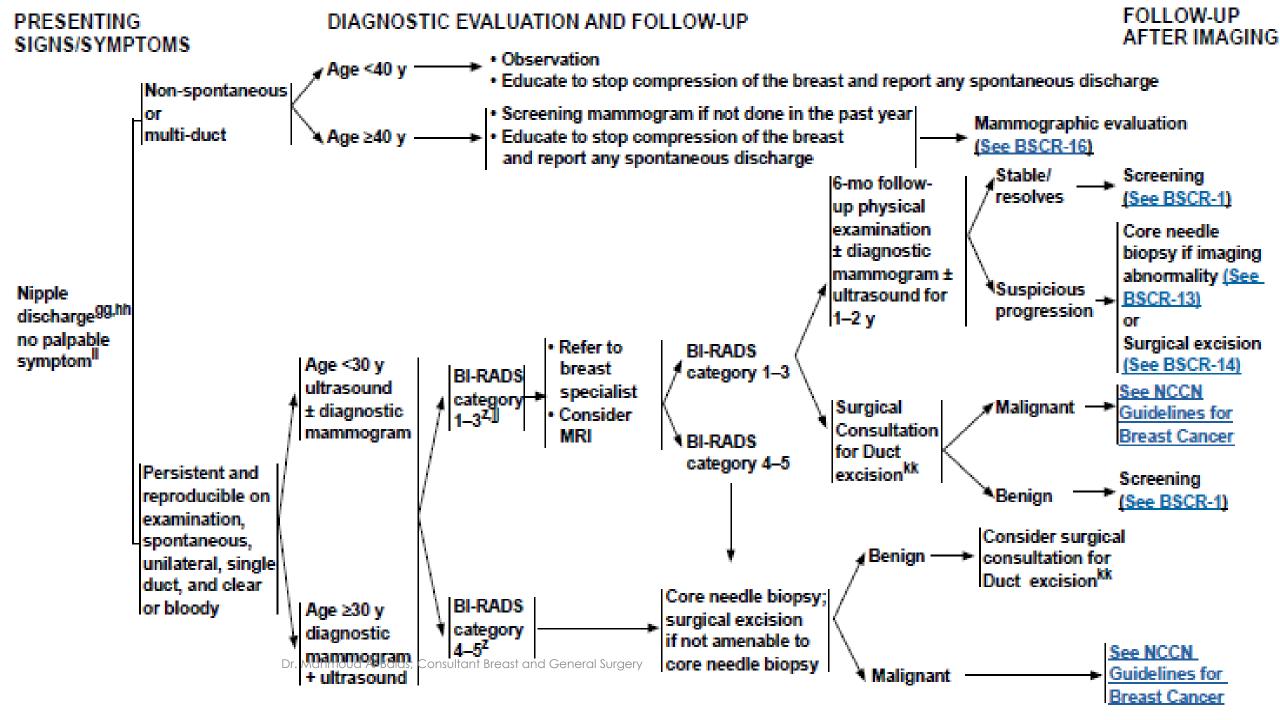




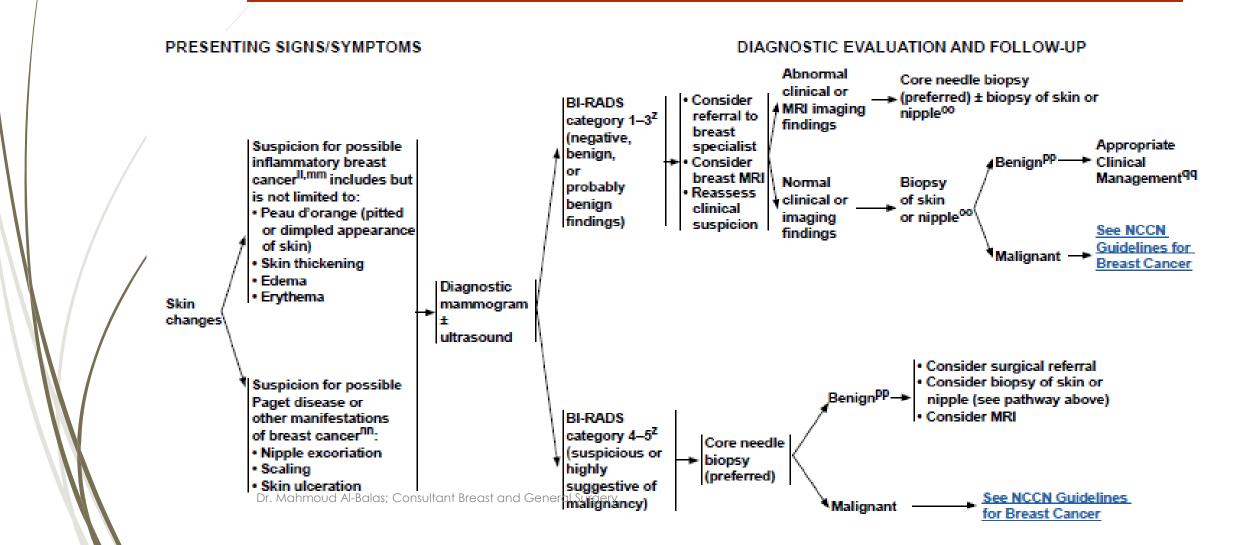
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# Symptomatic Nipple Discharge

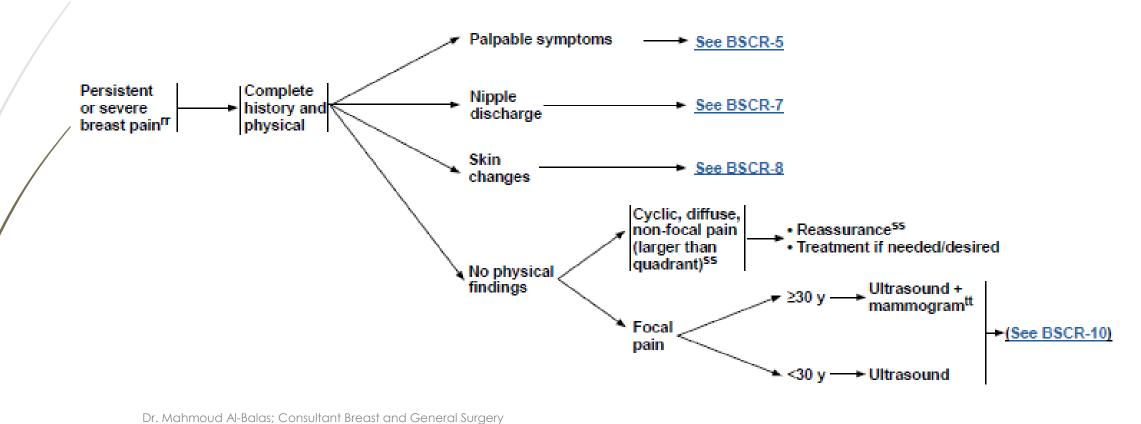




# **Skin Changes**

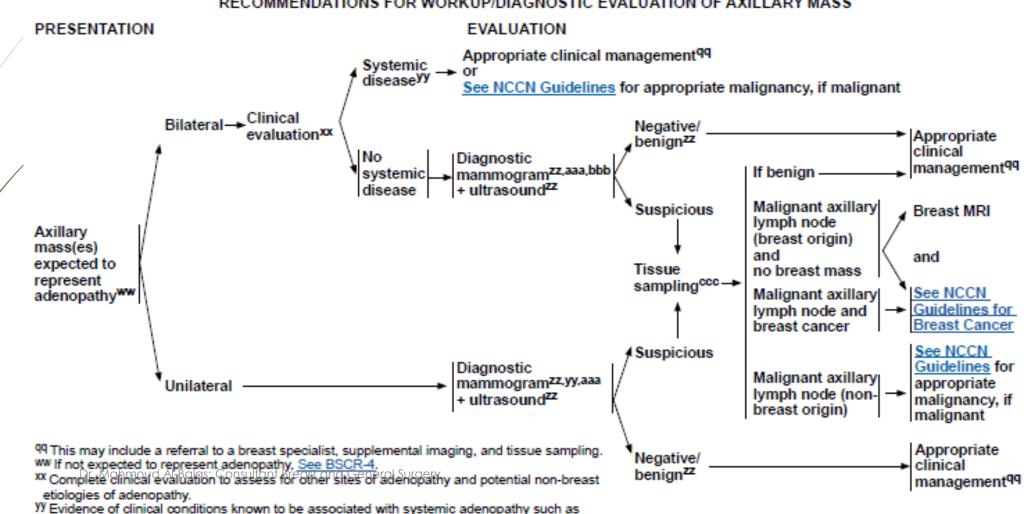


## **Breast Pain**

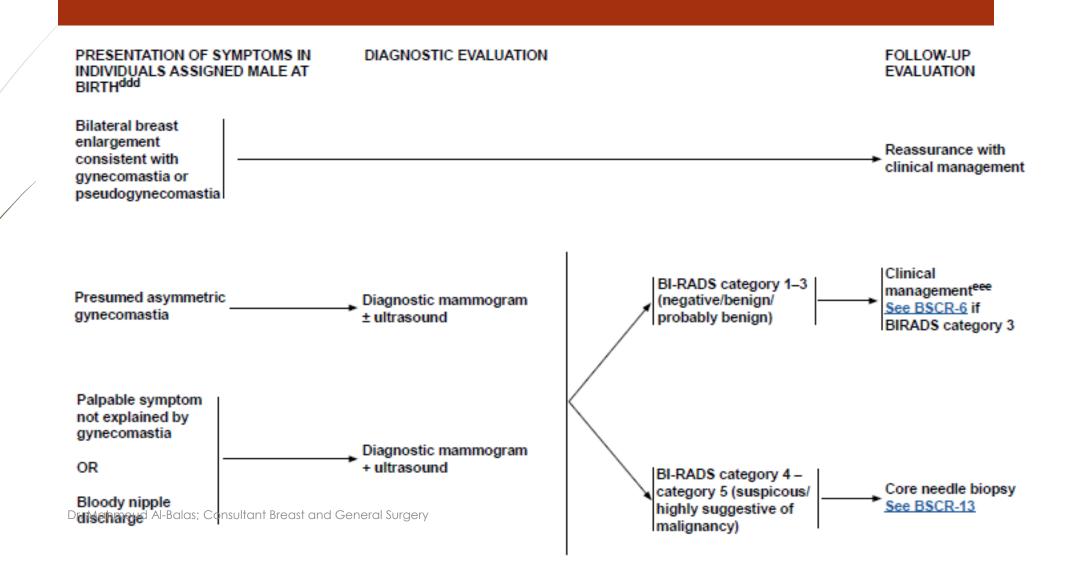


## **Axillary Mass**

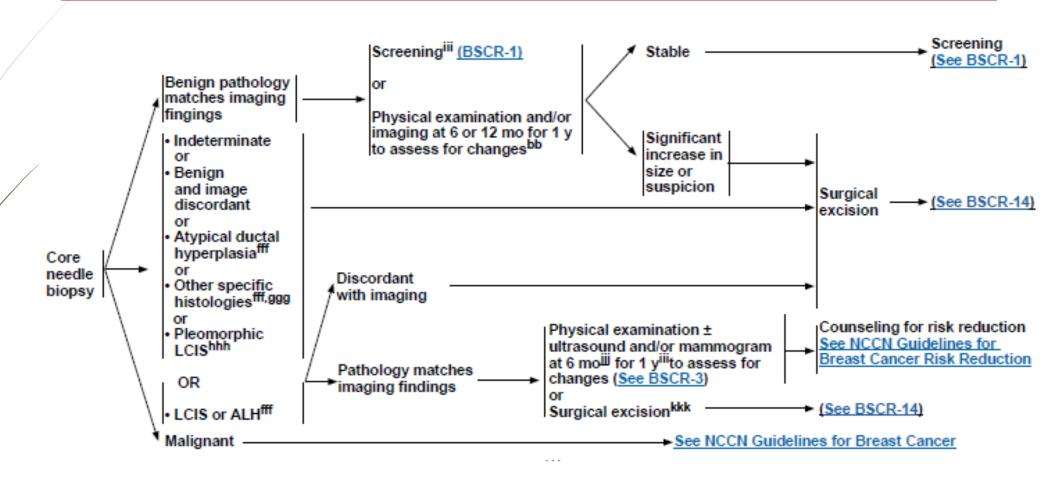
#### RECOMMENDATIONS FOR WORKUP/DIAGNOSTIC EVALUATION OF AXILLARY MASS

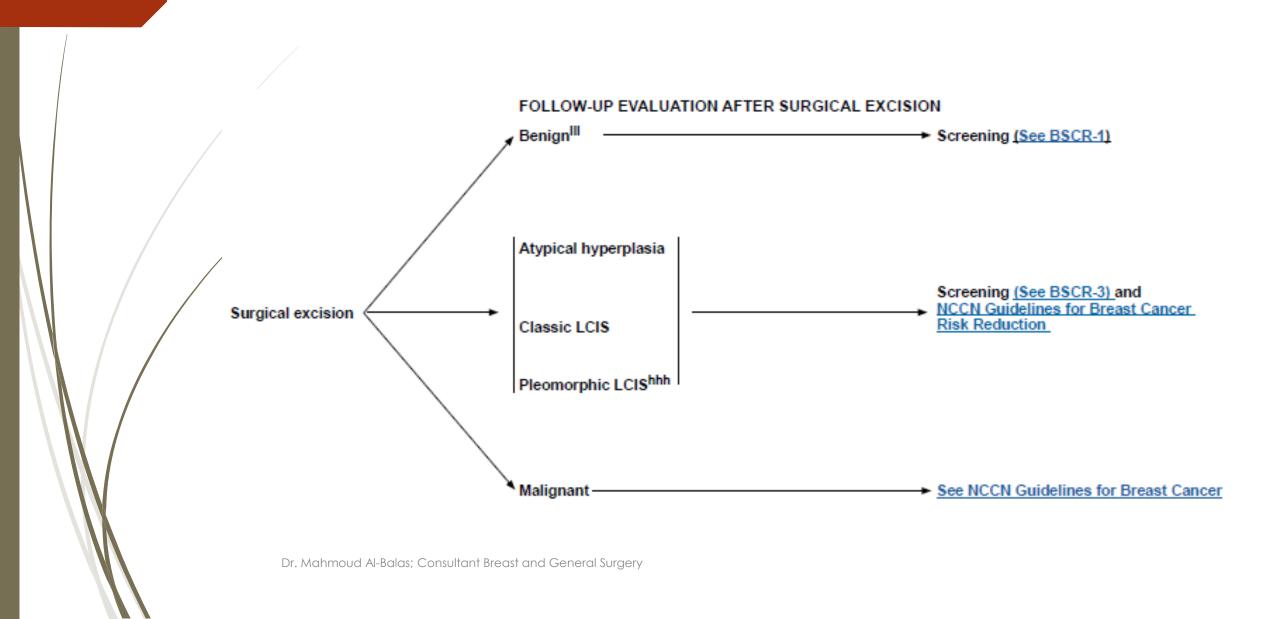


# Gynecomastia

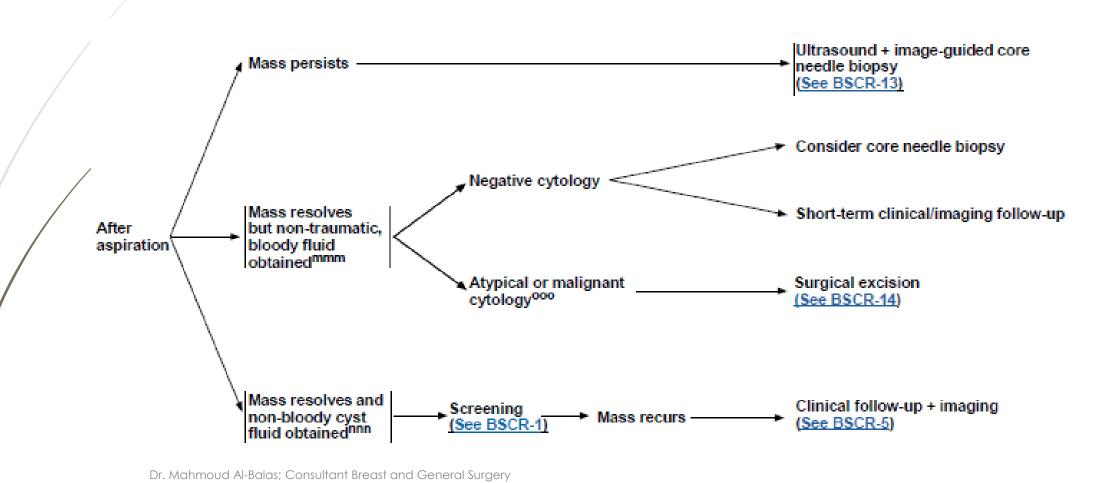


## **Breast Biopsy**





# **Breast Cyst Aspiration**



# Questions?

