

1

Disclosures

- No financial disclosures
- Pictures depicting nude anatomy and surgical procedures

2



3

Outline

- Breast Cancer
- Breast Cancer Surgical Treatments
- Breast Reconstruction
- Oncologic Reductions/Mastopexies
- Implant-Based Breast Reconstruction
- Autologous Breast Reconstruction

4

Outline

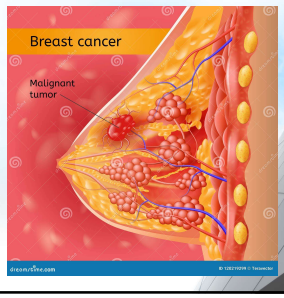
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5

Breast Cancer

- Most common cancer in women after skin cancer
- 1 in 8 women in the United States will develop breast cancer
- In 2024, 310,720 women and 2,800 men will be diagnosed with breast cancer
- There are currently 4 million women in the United States currently being treated for or have been treated for breast cancer

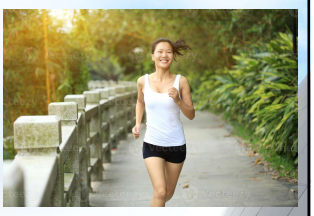
Breastcancer.org



6

Breast Cancer Risk Reduction

- Avoid tobacco
- Avoid alcohol
- Healthy lifestyle including healthy BMI
- Breastfeeding
- Limit hormonal therapy after menopause
- No definitive way to prevent breast cancer



Mayoclinic.org

7

Breast Cancer Early Detection

5-year relative breast cancer survival rates for women based on SEER staging

Summary/SEER Staging Category	Definition	5-Year Relative Breast Cancer Survival†
Local	The cancer cells have not spread beyond the breast (where they began to grow).	99.6%
Regional	The cancer cells have spread beyond the breast, but this spread is limited to nearby lymph nodes.	86.7%
Distant	The cancer cells have spread to other parts of the body (metastasis).	31.9%

Adapted from 2014-2020 SEER data, 2024 [217].

† Relative survival rates compare survival rates for women with breast cancer to survival rates for women in the general population over the same period of time.

8

Breast Cancer Treatment



9

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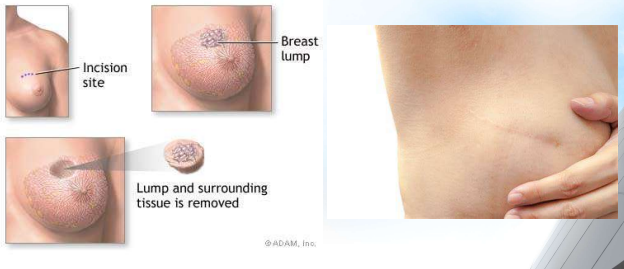
10

Breast Lumpectomy

- Surgical removal of part of the breast containing cancer but sparing the remaining breast tissue
- Not all patients/tumors are candidates for this operation
- Usually requires radiation therapy in the adjuvant setting to prevent recurrence

11

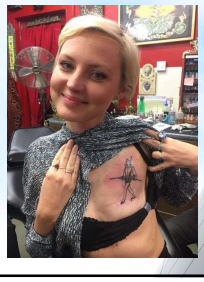
Breast Lumpectomy



12

Breast Mastectomy

- Surgical removal of the entire breast
- Can obviate the need for radiation as the risk of recurrence is significantly less than a lumpectomy



13

Breast Mastectomy vs Lumpectomy



14

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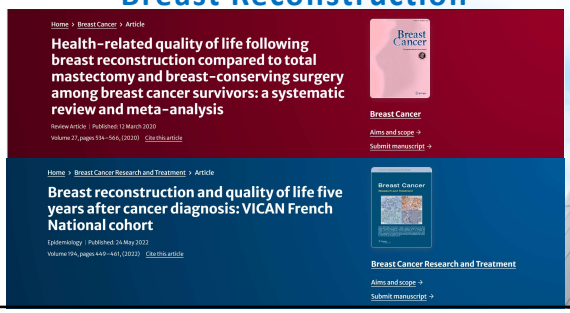
15

Breast Reconstruction

- Rebuilding or reshaping of the breast following an oncologic procedure
- Has no effect on cancer outcome and adds risk of complications to oncologic procedure
- Can help women emotionally in their recovery from breast cancer

16

Breast Reconstruction



17

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18

Oncologic Reduction/Mastopexy

- After a lumpectomy (same surgery session)
- Can rearrange the remaining breast tissue
- Allows for further reduction of breast tissue in cases of symptomatic macromastia
- Allows for tightening of the breast skin in cases of ptosis
- Can reposition the nipple areolar complex
- Patients still need adjuvant radiation

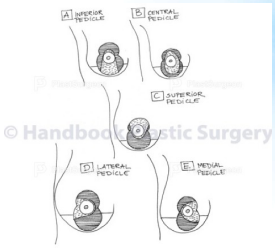
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Oncologic Reduction/Mastopexy



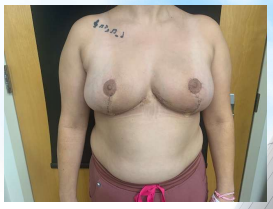
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Oncologic Reduction/Mastopexy



21

Oncologic Reduction/Mastopexy

22

Oncologic Reduction/Mastopexy




23

Oncologic Reduction/Mastopexy




24

Oncologic Reduction/Mastopexy




25

Oncologic Reduction/Mastopexy




26

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27

Implant-Based Breast Reconstruction

- Performed at the time of mastectomy
- Can place permanent breast implant or temporary tissue expander
- Ideal for patients who will not need radiation





28

Innovations

Past

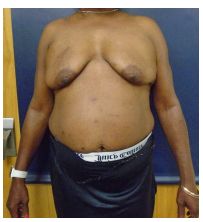
- Direct implant placement
- Textured breast implants
- Sub-pectoral
- No adjunct procedures
- Surgical nipple reconstruction

Present

- 2-stage with tissue expanders
- Smooth breast implants
- Pre-pectoral with alloderm
- Fat grafting
- 3-D nipple tattoo

29

Implant-Based Breast Reconstruction





30

Implant-Based Breast Reconstruction




31

Implant-Based Breast Reconstruction




32

Implant-Based Breast Reconstruction



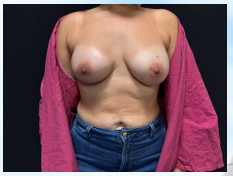

33

Implant-Based Breast Reconstruction




34

Implant-Based Breast Reconstruction

35

Implant-Based Breast Reconstruction




36

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37

Autologous Breast Reconstruction





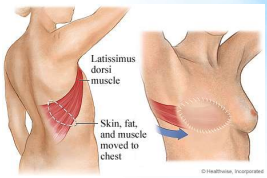
38

Autologous Breast Reconstruction

- Using tissues from other parts of the body to reconstruct breast
- Mitigates having to use breast implants
- Best reconstruction option in the setting of radiation
- Long initial surgery
- Long recovery
- Additional scars at donor site
- Donor site morbidity/weakness

39

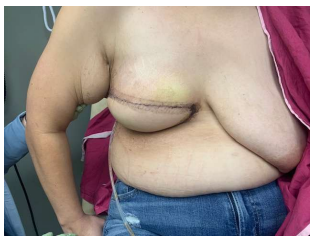
Autologous Breast Reconstruction



40

Latissimus Flap

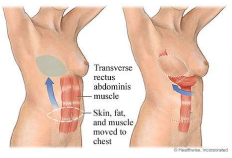


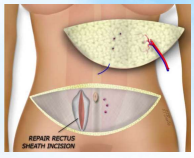


Lakeland Regional Health

41

Autologous Breast Reconstruction





42

Autologous Breast Reconstruction





43

THANK YOU

44