

# Breast Reconstruction Two Stages

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# Agenda

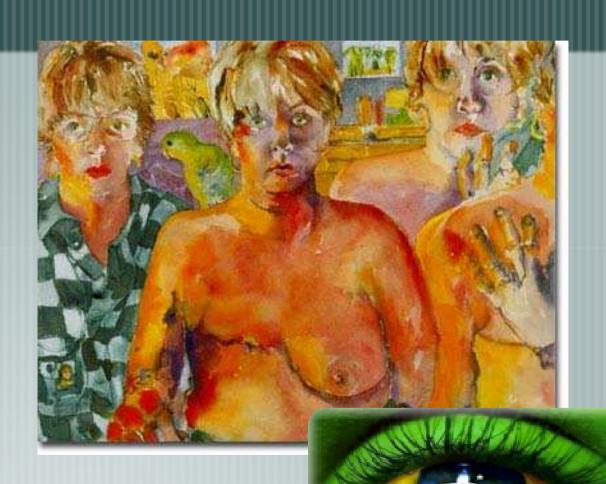
- Introduction - Selection of technique - Indications - Pros x Cons Dual stage tecnique - Overexpansion - Radiotherapy - Experience of Barre os - Conclusions

- Invitations

## Radical Surgery

Most common surgery for many of the Brazilian Breast Cancer Centers

15-90%



### Who is the best soccer player?

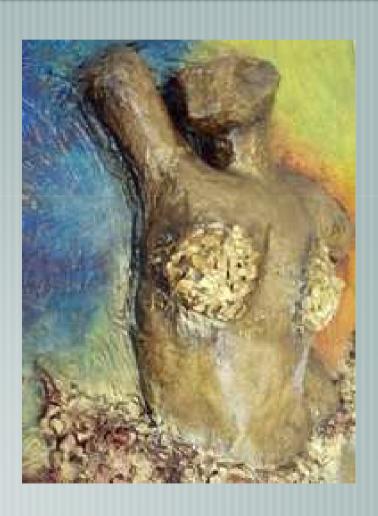


# What is the ideal Pacient?



# When





## Indications

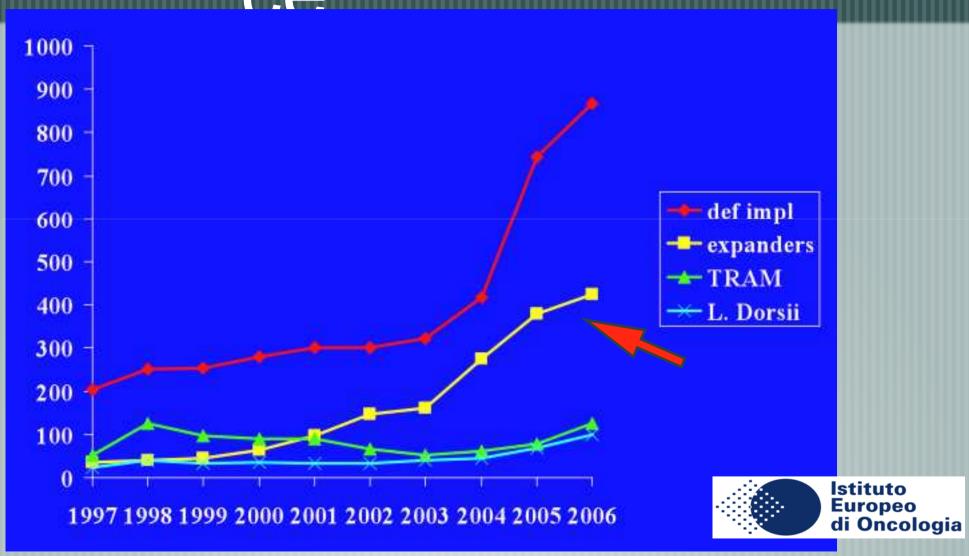


- Experience
- Delayed reconstruction (symmetry)
- Desire of breast augmentation
- Quality of the muscle flap
- Inferior outer lower quadrant:
- Tumor
- no additionl scars
- •impossibility of autogenous reconstruction

Indications

# Experien

CE



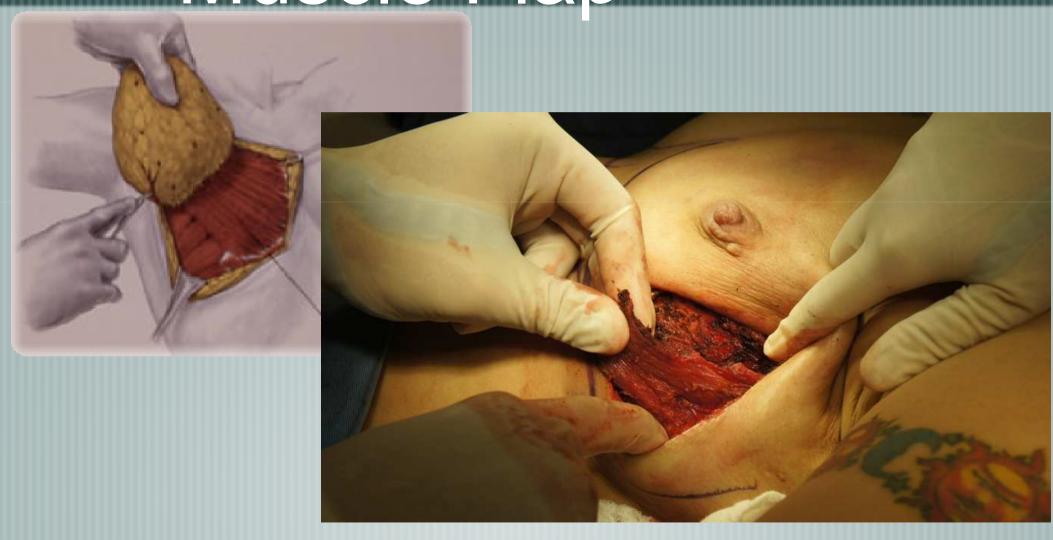
Delayed Indications Reconstruction Expectation Outcome Symmetry indications

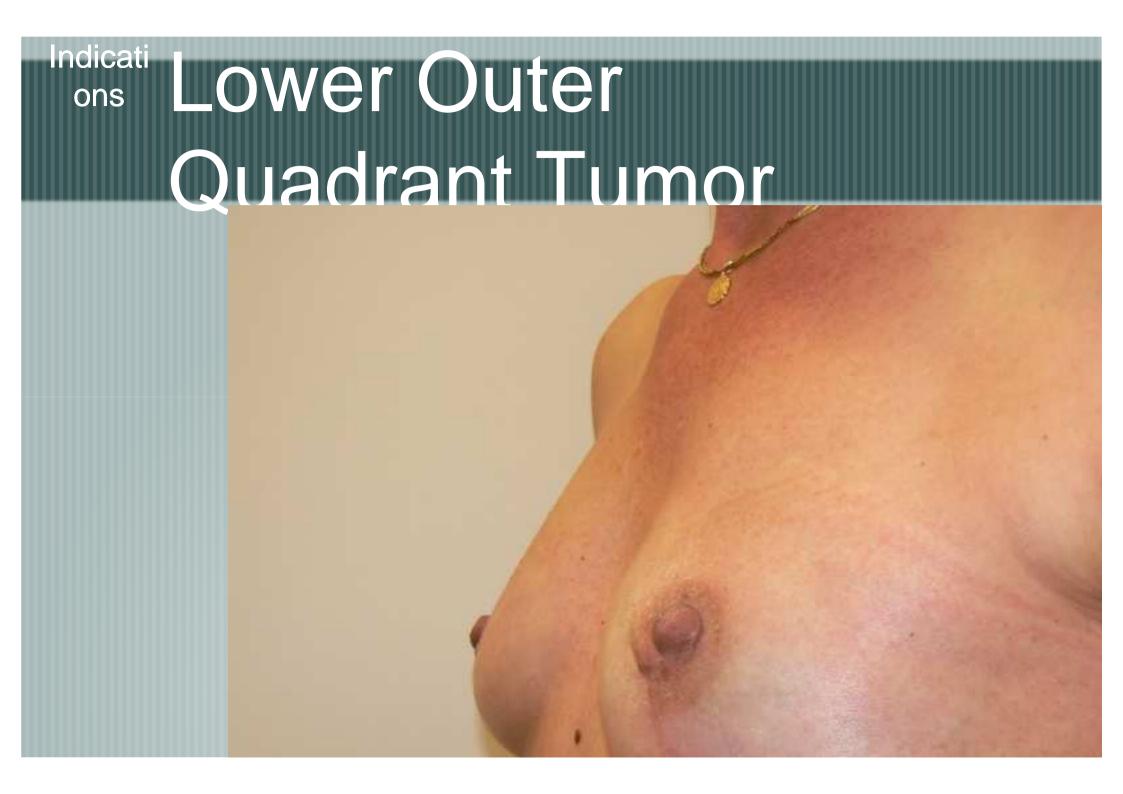
# Desire Breast Augmentation











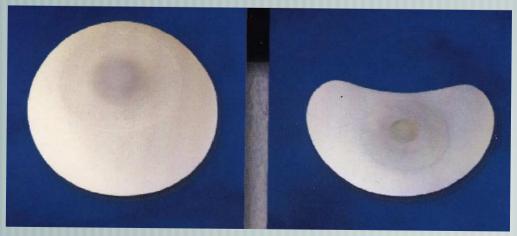
# Pros x Cons





## Pros





2 times
Secondary Procedures
(Symmetrization,
NAC)

Possibility of volume adjustment

To allow wound recovery

Shorter recovery time



## Cons



risk-twice

bad skin flaps

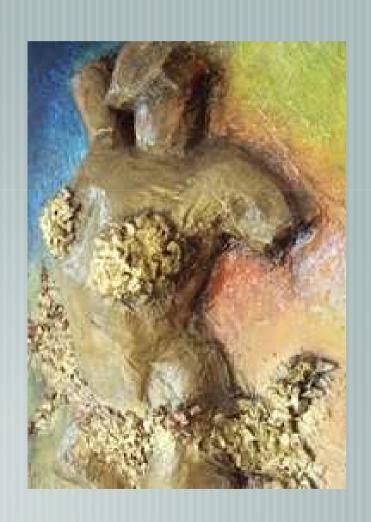
radiotherapy

The average number of surgeries to complete the reconstruction of the breast is larger in delayed procedures

(Losken et al - Ann Plast Surg 2004)

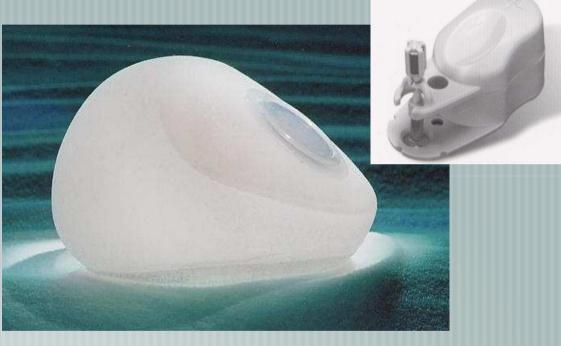
# How to do





# Breast Reconstruction Dual Stages





American Society of Plastic Surgeons Report of the 2010 Plastic Surgery Statistics



ASPS National Clearinghouse of Plastic Surgery Procedural Statistics

RECONSTRUCTIVE PROCEDURES	TOTAL PROCEDURES
Breast reconstruction	93,083
Saline Implants	18,334
Silicone Implants	50,559
Implant alone	9,452
Tissue expander and implant	62,081
TRAM flap	6,758
DIEP flap	5,118
Latissimus Dorsi Flap	6,335
Breast reduction	83,241
Breast implant removals (Reconstructive patients only)	14,991

# Expanders Types

## \* Temporary

- Integrated Dome
- Remote Dome



- Definitive
  - Remote Dome

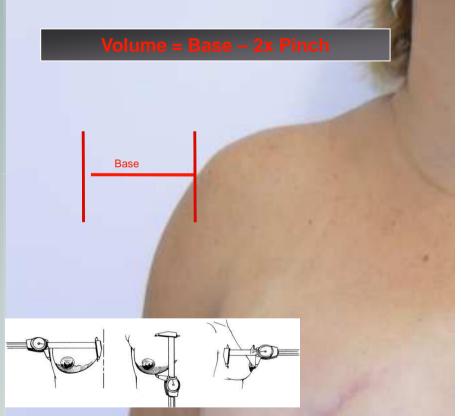


#### Selection Criteria for Prostheses and Expanders





















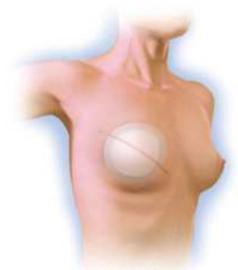


# How to use?

To fill with it up to 100 ml of Saline Solution each 7 days

- surgical care
- quickexpansion
- almost all cases
- 3-6 weeks





Final Result

# How to use?



Zucca-Matthes, et al 2012

# Overexpansion - by 25% - to improve the skin drape over the implant - to allow for the skin recoil after expansion - to allow for differences in the profile expanser x implant 87 (2007) 453-467

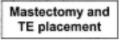
# Radiother apv





Irradiation after Immediate Tissue Expander/
Implant Breast Reconstruction: Outcomes,
Complications, Aesthetic Results, and
Satisfaction among 156 Patients

Peter G. Cordeiro, M.D., Andrea L. Pusic, M.D., Joseph J. Disa, M.D., Beryl Mci Kimberly VanZee, M.D.







## Expansion

change for permanent implant

Radiation

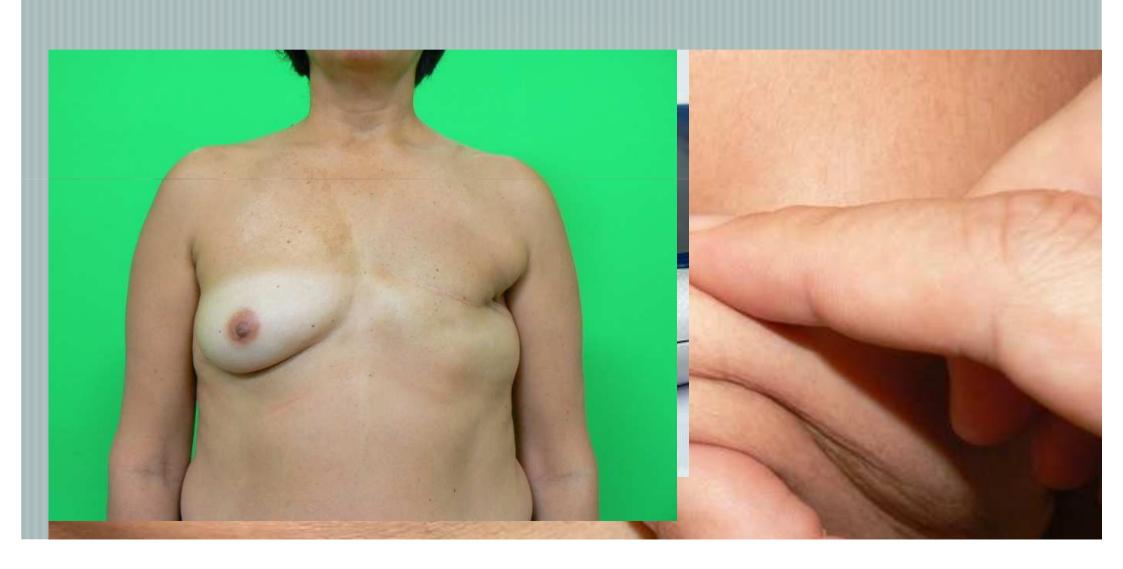


# Mastectomy and TE placement

Expansion

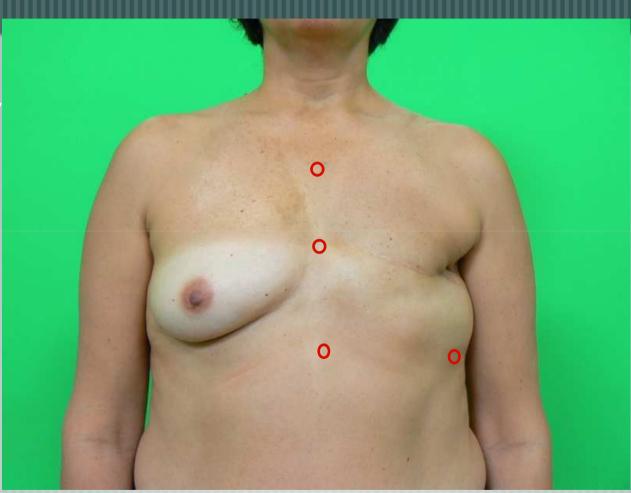


# Contra-indications



## Main Contra-Indication

Previous Radiotherapy



- Bad aesthetic outcomes do not stimulate BR with implants after radiotherapy.

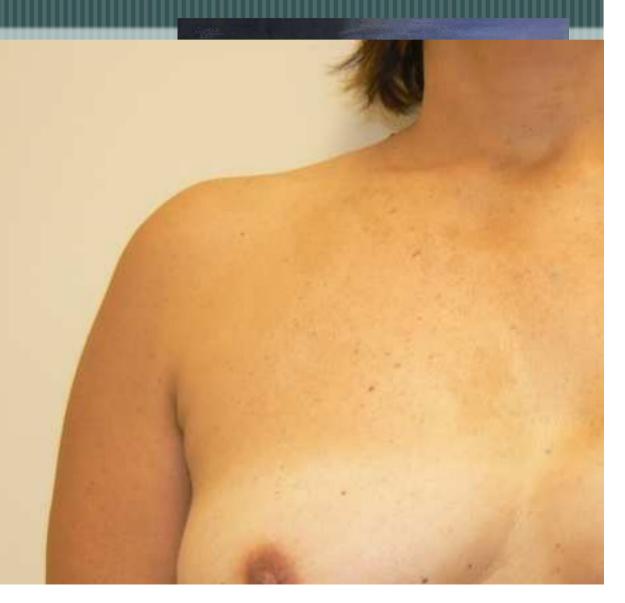
Plast Rec Cir. 2004, 114:950-60

# Post Radiotherapy Reconstruction – Is it possible?

Maybe!



SKIN



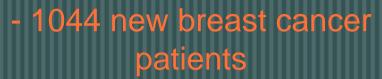




- 2400 procedures

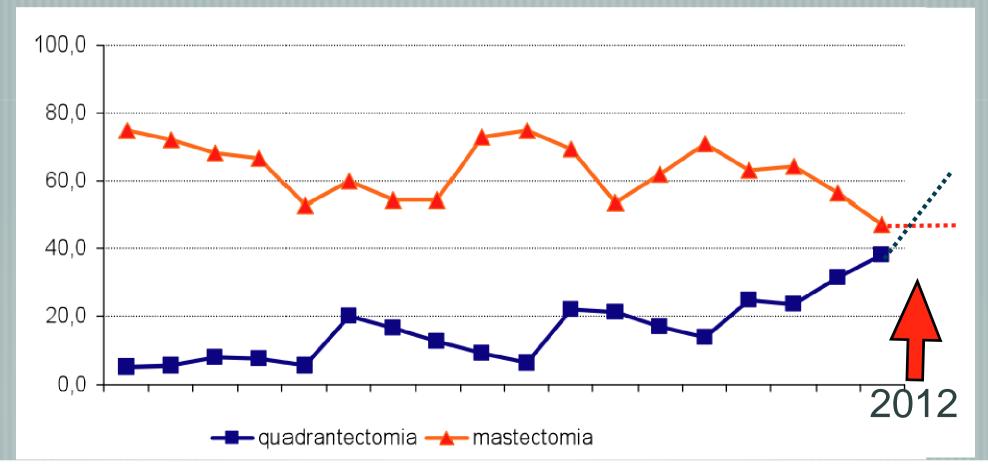
visits







### Surgical Breast Cancer Treatment





#### **Flowchart**

#### Mastectomy

Individualization

**Breast reconstruction** 

**Colateral Effect** 

HOSPITAL DE CÂNCER DE BARRETOS Fundação Pio XII



Bad skin - no Rtx

1-Lipofilling / Expander

2- LD Prostesis/

Expander

Becker

3- TRAM

Good skin - no Rtx

- 1- Prosthesis
- 2- Becker /Expander
- 3- LD Prosthesis/

Expander

4- TRAM

Good Skin - with Rtx

- 1- expander/Becker
- 2- TRAM
- 3-LD Prosthesis/

Expander

Bad Skin - with Rtx

1- TRAM

2- LD Prosthesis/

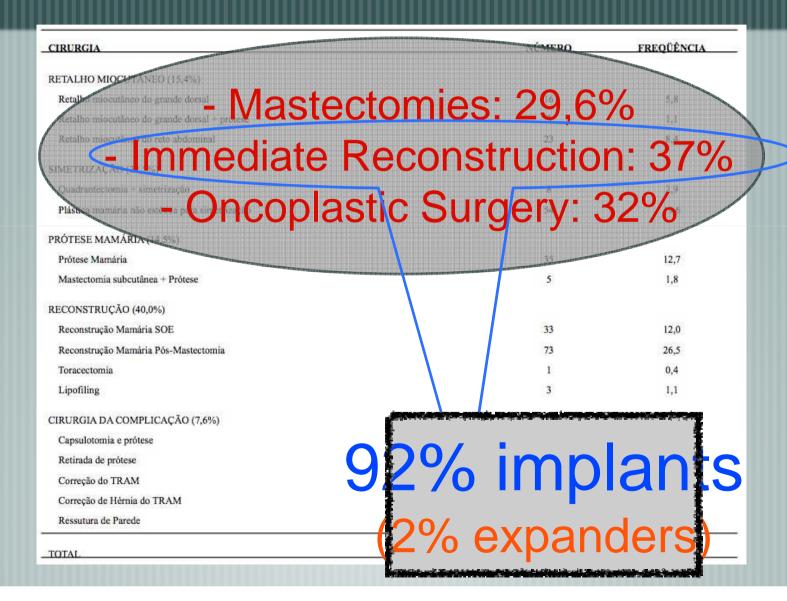
Expander

3- External Prosthesis



## Experience (last 3 months)





# Why?





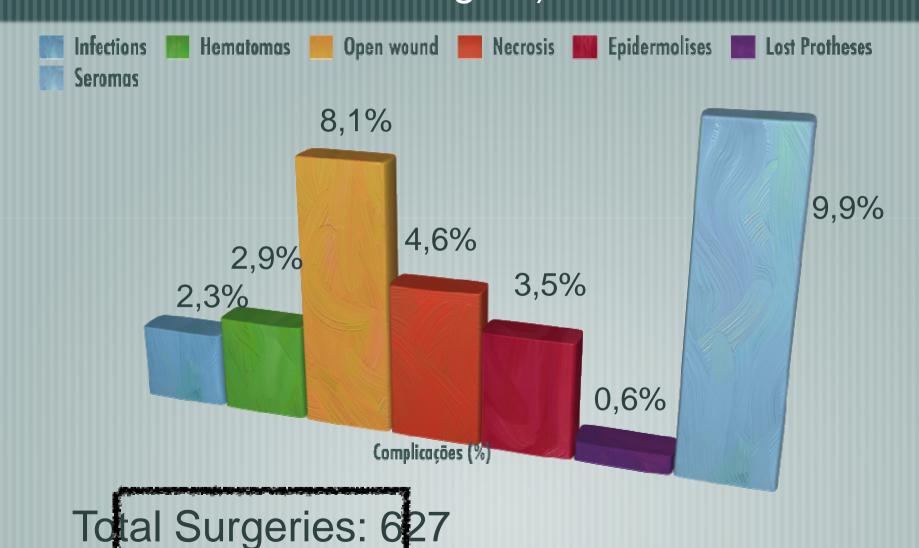


# **OPtimizaTION**



# Complications Experience (oct/11 - aug/12)

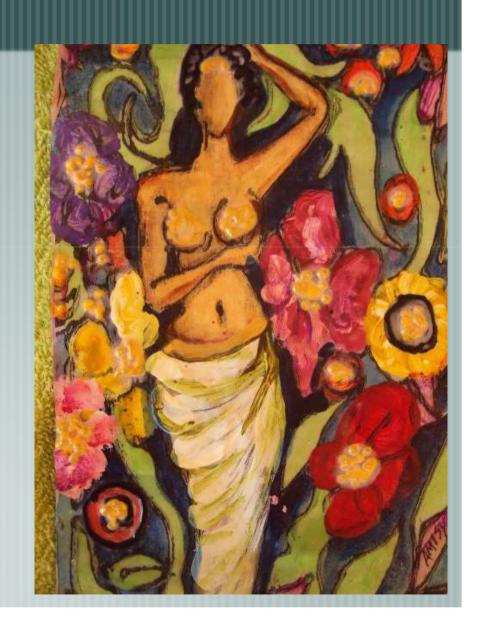






## Conclusions

- Reconstruction must be part of the treatment
- One-by-one study of each case
- Selected Patients
- Low complictions rates





# Acknowledgements...



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#### Pallative Care

Salete Renata







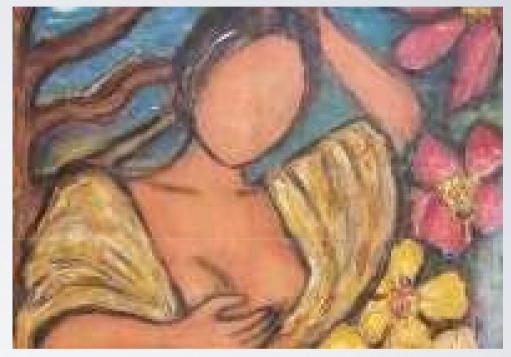
www.ihboc.com.br







Breast surgeons must treat the local-regional disease and keep the quality of life of our patients





Take home message!