

High Volume Fat Grafting Breast Reconstruction Options

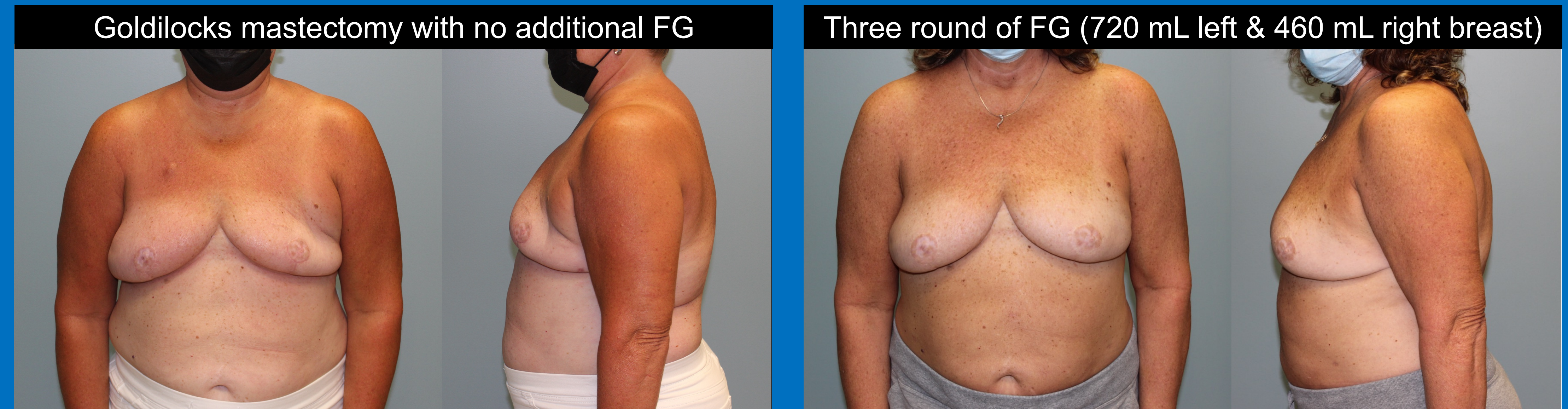
Total Autologous Fat Grafting (TAFG)

- Total breast reconstruction using autologous fat in a staged approach
- Especially useful in high-risk patients requesting autologous options
- Creates good cosmetic outcome with minimally invasive surgery



Goldilocks Mastectomy with Fat Grafting

- Autologous augmentation of breast mound created using mastectomy flaps



STUDY DESIGN

Timeline of Reconstruction with TAFG vs. Goldilocks Mastectomy

Assessing the efficacy, risks, and volume required for ideal breast reconstruction.

Single surgeons experience

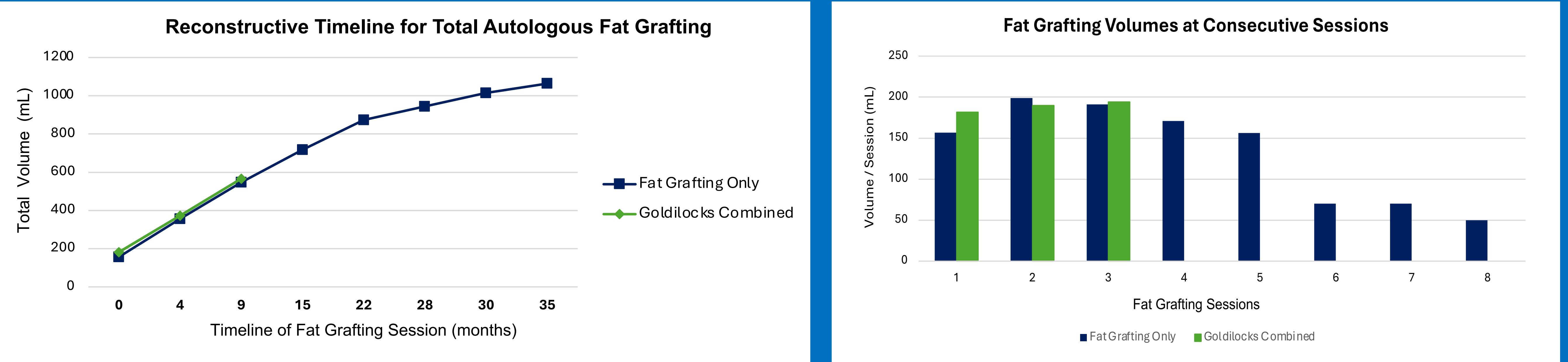
- minimum 4-month follow up after final reconstructive procedure
- Student's T-test with significant p-value <0.05

RESULTS (reported per breast)

39 Breast Reconstructions: 28 TAFG, 11 Goldilocks

Average Total Volume Grafted: TAFG = 664 mL Goldilocks = 495 mL (p-value = 0.111)

Average FG Sessions: TAFG = 4 sessions Goldilocks = 2.64 sessions (p-value = 0.03)



Significant drop in fat grafted in the sixth session. From an average of 177 mL in the first five sessions to 63 mL in the final three sessions (p-value = 0.000).

Complications: Fat necrosis and infection (1), donor sight infection (1), oil cyst (1). No tumor re-occurrences

CONCLUSIONS

High volume FG is a successful and safe form of breast reconstruction. Successful volume can be achieved within 5 sessions of TAFG, or 3 session with Goldilocks. Additional sessions improve cosmesis without effecting size.