Brachioplasty

Katherine Li-Wen Chiu, Medical Student
Case Presentation
March 22, 2016

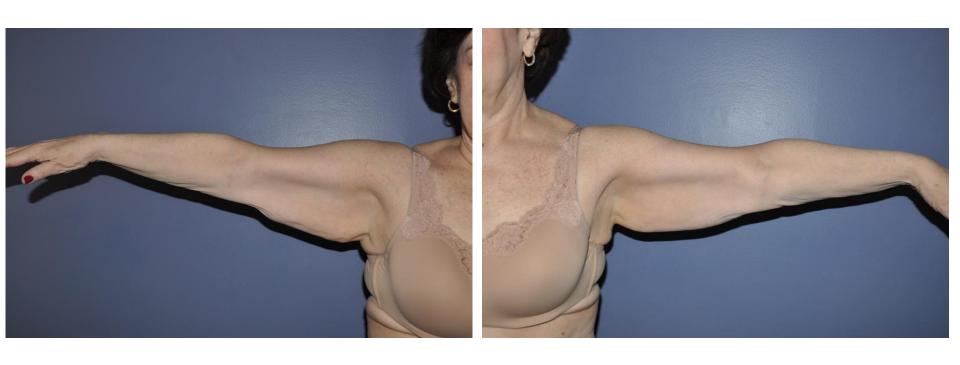
Patient Profile

- 59F for body contouring surgery
- HPI: laparoscopic sleeve gastrectomy in April
 2014 → massive weight loss (↓ 111lbs)
- PMHx/SURG: morbid obesity, hysterectomy, H/T, arthritis, BCC, hypercholesterolemia, anxiety
- Meds: losartan, hydrochlorothiazide, clonazepam, citalopram and simvastatin (continue meds)
- Allergies: NKDA
- Family Hx: breast Ca, depression, H/T
- Social Hx: good family support, never smoked

Assessment

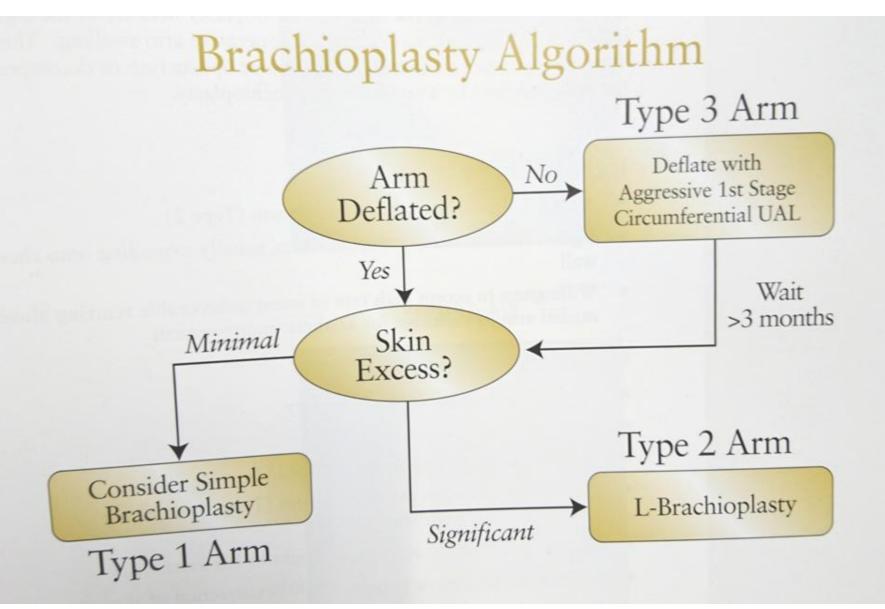
- Ht: 5'3", Wt: 169 lbs, BMI: 29.9
- Upper extremities
 - Moderate-sized bat wing deformity
 - Neurovascularly intact
 - Full ROM
 - Poor ~ fair skin tone
- Stable weight loss for past nine months

Pre-operative



Pre-operative





Atlas of Body Contouring after Weight Loss Chapter 8: Brachioplasty



Brachial ptosis

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8 Ask a Librarian

Support & Training Close

. Wolters Kluwer

(El Khatib 2007)

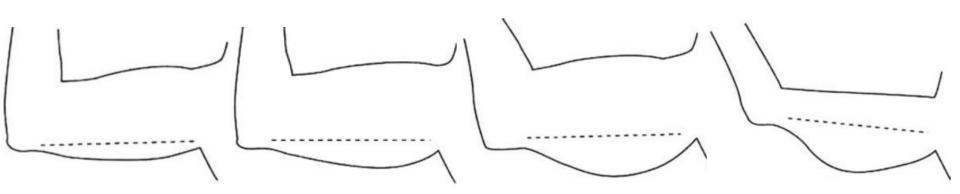
Table 1. Classification of Brachial Ptosis: Strategy for Treatment

Treatment
Circumferential liposuction
Staged circumferential liposuction
Liposuction of the lower posterior and medial arm assisted short longitudinal scar brachioplasty
Liposuction of the lower posterior and medial arm assisted short longitudinal scar brachioplasty
Traditional brachioplasty as described by the author

^{*}The grade of ptosis is determined by measuring the distance from the brachial sulcus to the lowermost border of the pendulous skin.

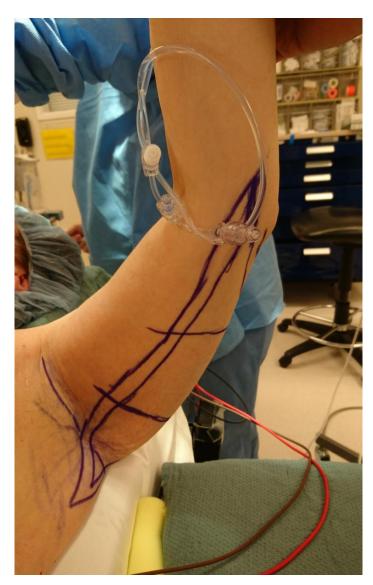
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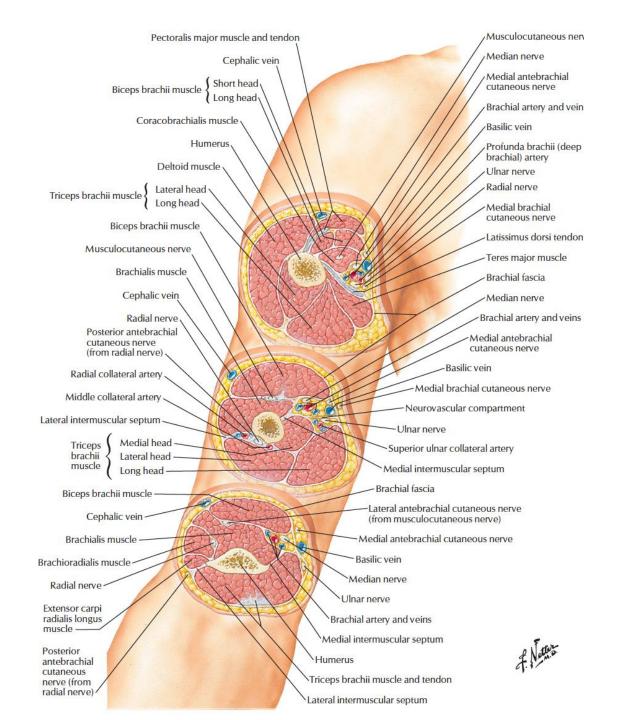
Operating room

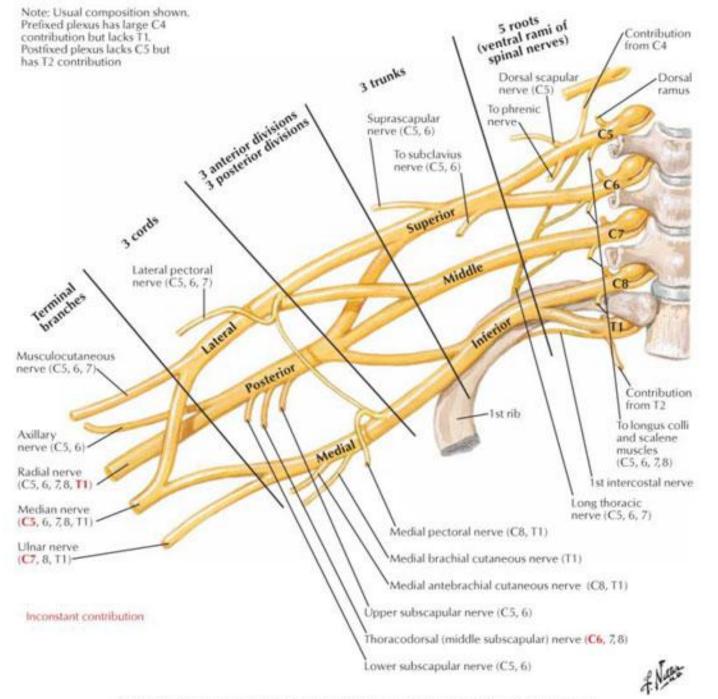




Procedure

- Bilateral brachioplasty
 - → Double ellipse marking
 - > Progressive fashion: distal to proximal
 - → Z-plasty at the axillary crease
 - → 19-French Blake in each arm
 - → Resected tissue R: 180 g, L: 184 g





Post-Op

- Patient recovered well in PACU and was discharged that day with two drains and analgesics
- s/p OP Day 6 follow-up in clinic:
 - Wound: healing well and remain clean, dry and intact
 - Drain removal
 - Excellent symmetry and contour of both upper extremities
 - Advise upper extremity elevation



Complications

- Poor wound healing
- Neurovascular injury
 - Skin sensation changes: numbness
 - Hematoma, seroma
- Lymphedema
- Poor cosmetic effect
 - Asymmetry
 - Contour deformity
 - → Additional surgery

Conclusion

- The increase in numbers of patients with massive weight loss increases need for body contouring surgery
- Common complications:
 - Injury to cutaneous nerves
 - Aesthetic dissatisfaction
- The best method of brachioplasty has yet to be determined

Acknowledgements

- Dr. Adam Tobias
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Thank you very much

References

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