Elgohary et al., Cancer surgery (Los Angeles, Calif.) 2016, 1:2 DOI: 10.4172/2573-542X.1000106

Page 2 of 5

Citation: Elgohary H, Oraby E, Zidan A, Turkey A (2016) Spared Healthy Breast Tissue after Breast Conserving Surgery for Palpable Invasive Ductal Breast Carcinoma; US Guided Versus Traditional Palpation Guided Excision. Cancer surgery (Los Angeles, Calif.) 1: 106.

Page 3 of 5





Figure 3: Intraoperative examinve 8Bt

Citation: Elgohary H, Oraby E, Zidan A, Turkey A (2016) Spared Healthy Breast Tissue after Breast Conserving Surgery for Palpable Invasive Ductal Breast Carcinoma; US Guided Versus Traditional Palpation Guided Excision. Cancer surgery (Los Angeles, Calif.) 1: 106.

Page 5 of 5

In US guided excision of breast tumour, we have the facility of intraoperative radiological assessment of margin status and same session re-excision in cases with positive margin. While in palpation guided excision, the margin status is only declared a er nal pathological report which necessitates redo second set operation if margin is positive, and this will end with more morbidity and cost.

Breast density is another factor which may give a false impression about the actual size of breast mass with subsequent more tissue excision if palpation is the only guide for resection. So, the palpation guided resected specimen usually is irregular with points with wide margin (more than 1 cm) while other points with narrow or even breached margin. On the other hand, US guided excision is mostly spherical with regular margin.

re volume of resected breast tissue is the major determinant for cosmetic outcomes. In this study, volume of excised specimen as calculated by macroscopic measurements is 137.3 9 cm³ in palpation guided group while in US guided group the specimen volume is 93 5 cm³. Fis shows the signi cant reduction in tissue resection with subsequent healthy tissue preservation. In Marcia et al, the specimen volume was 114 5.6 cm³ in PGG and 104 8 cm³ in USG. Fese ndings were non-signi cant but when they compare between 2 methods in dense breast patients they found a signi cant change in specimen volume. It was 127 12.3 cm³ in USG and 180 42.1 cm³ in PGG [15].

Conclusions

is study showed that US is an e ective guide for healthy tissue preservation with e cient one session resection of early breast tumours and that will augment the bene ts gained a er breast conserving surgery. Intraoperative ultrasonography contributes to improved cosmetic outcomes by guiding for safe resection of smaller volumes of breast tissue resulting in larger sparing of healthy breast tissue.

References

- Ibrahim AS, Khaled HM, Mikhail NH, Baraka H, Kamel H (2014) Cancer Incidence In Egypt: Result of The National Population Based Cancer Registry Program. Journal of Cancer Epidemiology.
- Rankin JS (2006) William Stewart Halsted: A Lecture By Dr. Peter D Olch. Ann Surg 243: 418-425.