Cosmetoloty 2015: Correcting animation deformity of the breast- Hilton Becker- Medical **College of Virginia**

Abstract

When an implant is placed beneath the muscle, underwent, or were scheduled to undergo, revision points of implant movement or maybe distortion are of their reconstruction at the time of interview. The often seen. Patients who are athletic find this degree of the clinically observed animation particularly bothersome and seek correction. The deformity was correlated with patient dissatisfaction, technique of correction will be discussed and with an R value of 0.47 (P value = 0.0145). representative patients will be shown during the presentation.

Background:

Animation deformity after sub pectoral implant Especially placement has been documented; however, the population, animation deformity, and its severity, particular prevalence and effect on patient quality of affects patients' quality of life. Other approaches to life has not been studied much.

Objectives:

The purpose of this study was to show that all Animation deformity occurs when implants are patients with sub pectoral implants experience some placed within a sub muscular pocket during breast degree of animation deformity and that it can affect augmentation or reconstruction.1 the implant can their quality of life, including embarrassment and discomfort in reconstructed patients flex their pectoral muscle. At times, a ridge patients.

Methods:

contacted for inclusion within the study. Patients augmentation patients by Spear et al in 2009. The were obtained from one surgeon's practice but study evaluated 40 patients and found that included patients operated on outside the practice, approximately 78% exhibited some degree of and people seen within the practice for a animation deformity based on the subjective grading consultation. А six-item questionnaire developed by the senior author (H.B.) and the true prevalence of this phenomenon in patients who medical student (N.F.) involved in the study, to have undergone sub muscular breast augmentation. assess quality of life related to animation deformity. It has been our observation that any residual muscle Patients had their degree of animation deformity over an implant will result in some degree of assessed by the senior author and a medico.

Results:

assessment, 20% had grade I distortion, 44% grade for physicians as well as druggists to possess great II, 24% grade III, and 12% grade IV. Of the patients knowledge of ADR and procedure of the reporting questioned, 80% were bothered by an animation ADR. The results presented that physicians and deformity and 45% of these patients were bothered pharmacists to a big degree (≥ 6 out of 10). In addition, 48% of deformity is considered to be a normal occurrence

patients felt that the animation deformity interfered with their lifestyle, and 28% (7/25) of patients

Conclusions:

All patients with sub pectoral implant positioning will experience some degree of animation deformity. within the reconstructed breast reconstruction should be considered to stop animation deformity during this population.

causing appear to move upward and toward the axilla when can be appreciated at the juncture between the lower muscle border and the breast tissue, known as the double bubble effect. Thus far, the prevalence of Patients who underwent implant surgery were animation deformity has only been studied in was scale. We believe this to be an underestimate of the animation.

Knowledge regarding ADR is most important when Of 25 patients who agreed to the questionnaire and it comes to the reporting ADR. It is very important have Unfortunately, animation

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when using the sub muscular pocket. Patients are subfascial technique and also preventing animation often not counselled specifically on animation deformity. deformity, and patient education rarely extends In this study, we have shown that animation than the initial and further consultations. This leaves implant placement at the placement and that it is present, to some degree, in discretion of the surgeon. In a 1999 study, patients all patients in whom this pocket is utilized. We wish were counselled on the disadvantages of breast to determine that animation deformity can directly implants preoperatively and those disadvantages affect patient quality of life and that it needs to be an discussed included encapsulation, hardening, and important aspect of preoperative counselling in all slippage of the implant; nothing relating to patients undergoing reconstruction or augmentation, animation deformity was mentioned.

Animation deformity often causes breast asymmetry. A study assessing the consequences of breast METHODS symmetry on patient quality of life found that ladies Eligibility for sample selection in this study included with pronounced breast asymmetry were more likely women who have been diagnosed with either ductal to experience poor psychosocial functioning and be carcinoma in situ (DCIS), BRCA-positive or at higher risk for developing depression. This invasive breast cancer (stage I-III), women who particularly affects patients who have undergone have undergone mastectomy with reconstruction mastectomy, because it is often difficult to obtain from 1997 to 2014, and women who have undergone symmetrical breasts even with reconstruction.

some insight into the prevalence of animation patients from a list that had undergone mastectomy deformity, they were unable to directly correlate and reconstruction, until a sample size of 25 women patient dissatisfaction with animation deformity.2 had responded and agreed to participate. Patients The importance of the correlation between the were obtained from a single surgeon's practice but clinically graded severity and patient-perceived included patients operated on outside the practice deformity creates a standard for the overall effect of and those seen in the practice for a consultation. We implant animation on patient quality of life.

negatively impacted by animation deformity, did not differentiate between patients who had revision can be accomplished through the creation of reconstruction with total muscle coverage or dual a new pocket in the prefectural space. Traditional plane with or without ADM, because all of this techniques in prefectural placement can cause information was not available. However, it was insufficient support and coverage for the implant, noted that any implant that was sub muscular, either especially in thin patients or post mastectomy total or dual plane, with or without ADM showed patients lacking adequate glandular tissue. Today, animation deformity. Chart reviews were utilized to the use of a plane within the subfascial position obtain specific clinical information (type of implant, provides adequate support for the augmentation unilateral patient, and it helps in retaining a natural slope to the epidemiologic data (race, age). upper pole of the breast.5 In the case of breast reconstruction after a mastectomy, the fascia is removed. However, the implant can be placed above the muscle using an cellular dermal matrix (ADM) for added support, creating the same effect as the

preoperative deformity is a result of sub muscular implant especially in athletic patients.

reconstruction involving the placement of an implant Although the Spear et al article provides us with under the pectoral muscle. The assessors called did not differentiate between patients who had For post mastectomy patients whose quality of life is immediate or delayed reconstruction. In addition, we vs. bilateral mastectomy) and **Note**: This work is partly presented at 4th International Conference and Expo on Cosmetology & Trichology June 22-24, 2015 held at Philadelphia, USA.

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