Implant-based breast reconstruction: re-analysis of the odds ratio for skin flap necrosis

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Dear Editor,

The paper by Abbate et al. [1] contains an error on page 5 (“significantly lower odds of mastectomy skin flap necrosis in the prepectoral group compared their subpectoral counterparts; odds ratio 0.02, 95% CI 0.01–0.03, $p < 0.01$ ”) because the correct odds ratio for the above mentioned comparison is the one reported in Table 9 (“skin necrosis: odds ratio, 0.665: 95% CI 0.464–0.952”). This more than 20-fold error is not completely casual because it results from an irrational design of Fig. 2. In fact, Fig. 2 describes 7 different variables presented according to 7 different logarithmic scales for the x-axis, which of course are not comparable with one another. This creates some confusion in reading this paper, which is

confirmed by the error made by the authors in reporting the odds ratio for skin flap necrosis.

Reference

1. Abbate O, Rosado N, Sobti N, Vieira BL, Liao EC (2020) Meta-analysis of prepectoral implant-based breast reconstruction: guide to patient selection and current outcomes. *Breast Cancer Res Treat* 182(3):543–554. <https://doi.org/10.1007/s10549-020-05722-2>

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