Invited Response on: “Autologous Fat Grafting with Percutaneous Fasciotomy and Reduction of the Nipple-Areolar Complex for the Correction of Tuberous Breast Deformity in Teenagers”

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We thank the authors for their interest and comments on our article “Autologous Fat Grafting with Percutaneous Fasciotomy and Reduction of the Nipple-Areolar Complex for the Correction of Tuberous Breast Deformity in Teenagers” [1]. The authors have raised concerns about the safety of adipose-derived stem cells in the breast, particularly in younger patients. In this case series, fat was harvested via liposuction prior to being re-injected into the breast tissue in layers from the muscle to the parenchyma. Adipose-derived stem cells, which require isolation via treatment with collagenase digestion prior to centrifugation [2], were not prepared for injection. The first author did obtain an oncological history from all patients and their families prior to treatment, and none reported a positive family history in either their first- or second-degree relatives. We do agree, however, that younger patients require long-term evaluation of their breasts following fat grafting to assess not only for retention of grafted material, but also for any cysts or masses which might require biopsy to rule out carcinoma.

We again thank the authors for their thoughtful comments.

Compliance with Ethical Standards

Conflict of interest Nina S. Naidu, MD FACS is a shareholder of Ideal Implant, Incorporated. There are no other conflicts of interest to declare.

Human and Animal Rights All procedures performed in studies involving human participants were in accordance with the ethical standards of the institutional and/or national research committee and with the 1964 Declaration of Helsinki and its later amendments or comparable ethical standards.

Informed Consent For this type of study, informed consent is not required.

References

1. Gutierrez-Ontalvilla P, Naidu NS, Blanco EL et al (2019) Autologous fat grafting with percutaneous fasciotomy and reduction of the nipple-areolar complex for the correction of tuberous breast deformity in teenagers. *Aesth Plast Surg*. <https://doi.org/10.1007/s00266-019-01531-1>
2. Frese L, Dijkman PE, Hoerstrup SP (2016) Adipose tissue-derived stem cells in regenerative medicine. *Transfus Med Hemother* 43(4):268–274

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