

Anatomic study of fatty pockets in the hypogastrium and the subcutaneous Aesthetic units

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Abstract

Background: In lipodystrophies of the anterior abdominal wall, variables such as genetic factors, weight gain, age, and loss of muscle tone, either alone or in combination, determine generalized aesthetic changes or changes localized in the epigastrium, hypogastrium, or both. The aim of this study was to describe the limits, distribution, and dimensions of fat bags in the hypogastrium, as well as their anatomic relationships with the neighboring structures. **Methods:** Fiftyseven anatomical specimens were dissected from patients undergoing abdominoplasty, during which the hypogastrium was resected en bloc. Moreover, the anterior abdominal wall was also dissected in 8 cadavers. In all samples, the lamellar layer was resected, keeping the dermis-epidermis, areolar layer, and superficial fascia intact. **Results:** In all specimens, 2 symmetrical adipose clusters were observed bilaterally in the areolar layer, which were in the shape of a bag and had peculiar coloration. These bags were analyzed in relation to their neighboring tissues: the skin, superficial fascia, and deep fat layer. **Conclusions:** The lamellar layer was considered as a structural base of the skin, owing to its thinness. The areolar layer showed accumulations and varying amounts of fat in the various body regions without precise limits, which were particularly observed in dissections of the lower abdominal wall and identified by their elasticity, volume, and coloration. **Keywords:** Abdomen. Adipose tissue. Lipectomy



Biography:

Renato Sivieri de Souza has completed his PhD at the age of 30 years from Santa Cecília University and postdoctoral studies from Stanford University School of Medicine. He is the director of Clinica Sivieri of plastic surgery. He has published more than 10 papers in reputed journals and two book chapters about liposuction

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