



股前外侧穿支皮瓣的解剖学研究及其在头颈修复中的意义

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Anatomic Study of Anterolateral Thigh Perforators Flap and Its Clinical Significance in Reconstruction of Head and Neck Defects

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摘要

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摘要 摘要: 目的 探讨股前外侧穿支皮瓣的解剖学基础及其在头颈修复中的临床意义。方法 解剖5具新鲜成年国人尸体, 观察和测量股前外侧穿支皮瓣供血穿支的数目、类型、管径、蒂长、走行、出筋膜后轴向及源血管外径, 并对其进行定位。结果 本组10例标本中, 共有44支股前外侧皮瓣穿支, 平均每侧(4.4±1.8)支; 其中, 肌皮穿支30支(68.2%), 肌间隔穿支14支(31.8%)。最粗穿支蒂长平均为(10.86±1.18)cm(8.29~14.44 cm), 距髂前上棘与腓骨外上端中点平均距离为(3.25±0.69)cm, 主要位于该点外上部。源动脉主要为旋股外侧动脉降支。蒂动、静脉外径平均为(3.16±0.59)、(3.08±0.20)mm。结论 股前外侧穿支皮瓣穿支血管解剖位置较为恒定, 穿支皮瓣制作方便, 其管径及蒂长均适宜头颈肿瘤术后缺损的修复。

关键词: 股前外侧穿支皮瓣 解剖 头颈修复重建

Abstract: ABSTRACT: Objective To study the anatomy of the anterolateral thigh perforators flap and explore its clinical application in the reconstruction of head and neck defects. Methods Five adult fresh cadavers were prepared, and morphosis and blood supply of anterolateral thigh flap perforators were examined by microsurgery anatomy. During dissections, the following parameters were recorded: number and type of perforators vessels, diameter of perforators, pedicle length, diameter of the original vessels, route (infra fascia and supra fascia); its position were located by anatomical landmark. Results There were an average of (4.4±1.8) anterolateral thigh perforators flaps (ALTP flap) in each specimen with 68.2% musculocutaneous perforator and 31.8% septocutaneous perforator. The mean pedicle length of the largest perforator was (10.86±1.18) cm (8.29-14.44 cm), and its location was constantly concentrated in the superolateral region of the midpoint of the line linking the anterosuperior iliac spine and superolateral border of the patella. The distance between surface location of the largest perforator and the midpoint was (3.25±0.69) cm. Original vessel was mostly descend branch of lateral circumflex femoral artery/vein with average diameter of (3.16±0.59) / (3.08±0.02) mm. Conclusion ALTP flap has constant position, large caliber, and long pedicle and therefore is useful for operation and option in reconstruction of head neck defects.

Keywords: anterolateral thigh perforators flap anatomy dead and neck reconstruction

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