



and offers encouraging results, with improvement of pain and better sexual function.  
DOI: 10.1097/PRS.0b013e3182419c2c

**Dietmar Ulrich, M.D., Ph.D.**

**Franziska Ulrich, M.D.**

Department of Plastic and Reconstructive Surgery

**Lena van Doorn, M.D., Ph.D.**

Department of Gynecology

**Steven Hovius, M.D., Ph.D.**

Department of Plastic and Reconstructive Surgery

Erasmus University Hospital

Rotterdam, The Netherlands

Correspondence to Dr. Ulrich

Department of Plastic and Reconstructive Surgery

Erasmus University Hospital

Postbox 2040

3000CA Rotterdam, The Netherlands

d.ulrich@erasmusmc.nl

### DISCLOSURE

*The authors have no financial interest in this research project or in any of the techniques or equipment used in the study. The authors have no conflicts of interest to disclose.*

### REFERENCES

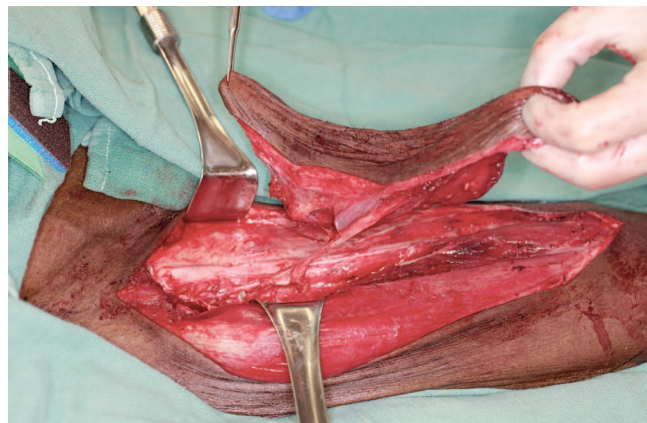
1. Hartmann K, Viswanathan M, Palmieri R, Gartlehner G, Thorp J Jr, Lohr KN. Outcomes of routine episiotomy: A systematic review. *JAMA* 2005;293:2141–2148.
2. Coleman SR. *Structural Fat Grafting*. St. Louis: Quality Medical; 2004.
3. Melzack R. The short-form McGill Pain Questionnaire. *Pain* 1987;30:191–197.
4. Garratt AM, Torgerson DJ, Wyness J, Hall MH, Reid DM. Measuring sexual functioning in premenopausal women. *Br J Obstet Gynaecol*. 1995;102:311–316.
5. Lolli P, Malleo G, Rigotti G. Treatment of chronic anal fissures and associated stenosis by autologous adipose tissue transplant: A pilot study. *Dis Colon Rectum* 2010;53:460–466.

## Nearly Circumferential Pharyngoesophagectomy Reconstruction with a Double–Skin Paddle Anteromedial Thigh and Sartorius Muscle Free Flap

**Sir:**

The versatility and reliability of the anterolateral thigh flap has made it an essential tool for the reconstructive head and neck surgeon. At our institution, the anterolateral thigh donor site is the preferred free flap for pharyngoesophageal reconstruction because of its excellent functional outcomes and low rate of fistula and stricture formation.<sup>1</sup> In the senior author's experience of 250 anterolateral thigh flaps; however, 4.3 percent of thighs had no perforators in the anterolateral thigh flap territory.<sup>2</sup> The anteromedial thigh free flap is a viable alternative for soft-tissue coverage in head and neck reconstruction.<sup>3</sup>

We present a 67-year-old man with the recent diagnosis of a nearly obstructing T3N2M0 squamous cell carcinoma of the larynx that required emergent tracheostomy. The patient's medical history included myocardial infarction, congestive heart failure (ejection fraction, 28 percent), severe atherosclerosis with carotid stenosis following endarterectomy, emphysema, peripheral vascular disease, and severe malnutrition with a body mass index of 15. Tumor ablation resulted in bilateral neck dissection, a nearly circumferential defect of the hypopharynx, a cervical esophagus 9 cm in length, and part of the base of tongue, and a lower neck skin defect. Note that we prefer to incorporate a posterior strip of the pharynx, 2 cm in this case, into a reconstruction when available to help prevent stricture formation.<sup>2</sup> A standard anterolateral thigh flap was designed and the thigh explored; however, only an extremely small insufficient perforator B was present. Further exploration of the medial thigh demonstrated two large-caliber (>1 mm) musculocutaneous perforators, B and C, through the sartorius muscle. This perforator was traced back to its main vessel, which originated from the



**Fig. 1.** A 7 × 15-cm anteromedial thigh free flap with vascularized fascia and a 10-cm section of sartorius muscle supplied by the recus femoris branch of the lateral circumflex femoral system.