Utility of IMAP Flap in Hypopharyngeal Reconstruction

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ABSTRACT

Objective: To describe a novel flap which may be considered a variation of the deltopectoral flap.

Methods: Two patients underwent hypopharyngeal reconstruction using the IMAP flap. The blood supply via the dominant internal mammary artery perforator is the same in both flaps; however, the arc of rotation is different allowing improved rotation and direct closure of the donor site.

Results: Case 1 was a 59 year-old male who underwent organ sparing laryngeal cancer treatment with radiation. Case 2 was a 56 year-old male who underwent total laryngectomy for non-functioning larynx.

Discussion: We describe flap elevation and the surgical technique and clinical course of the patients below.

CONCLUSIONS

The IMAP flap is ideally suited for hypopharyngeal reconstruction and should be included in the armamentarium of reconstruction options. It is easy to harvest, and it is thin and pliable. The arc of rotation allows for direct closure of the donor site.

REFERENCES


