



Figure 5.8 (A) An 18-year-old man with extensive defects of the upper lip, cheek, and nose, secondary to noma infection. (B,C) Tissue expander with full-thickness skin graft to be placed in the submental area deep to the platysma and anterior belly of the digastric muscle. (D) Lateral view at 4 weeks showing expansion of the submental and forehead areas. (E) Intraoperative view showing the design of right and left prelaminated, submental composite flaps, each based on the submental branch of the facial artery and also containing innervated platysma muscle. (F) The tissue expander was removed and the left submental flap raised, showing healed skin graft on the inner aspect of the prelaminated flap. (G) Nasal reconstruction with local turndown flap for lining and cartilage grafts for support; forehead flap raised and ready to provide external coverage of the nose; also, the two prelaminated submental flaps are in place and the Abbé flap is planned for reconstruction of the central part of the upper lip. (H,I) Frontal and lateral views 6 weeks later.

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