

## CLINICAL CASE REPORT

# Root Coverage for Multiple Maxillary Anterior Teeth Using AlloSpark-GF®–Enhanced Dermal Allograft & Coronally–Advanced Flap

Barry P. Levin, D.M.D. | Jenkintown, PA

## PRESENTATION & DIAGNOSIS

**1** A 77 year-old male patient presented with the chief complaint of displeasure with the esthetic appearance of his maxillary anterior teeth. Due to the extensive nature of the recession, including interproximal tooth surfaces, achieving complete root coverage was not anticipated. The treatment plan included replacing the existing crowns after 6 months of healing following surgery

## GRAFT PREPARATION

**2** A dermal allograft was hydrated with AlloSpark-GF® **3** and allowed to absorb the growth factors for approximately 20 minutes prior to application.

## SURGICAL PROTOCOL

**4** Sulcular, papilla-sparing, incisions were made facially with bilateral, distobuccal vertical releasing incisions and a full-thickness flap was reflected. Root planning was performed with finishing burs, piezo and manual scalers. Root conditioning was performed, followed by copious sterile saline irrigation.

**5** The AlloSpark-GF®–enhanced dermal allograft was sutured at the level of the crown margins of teeth #6–#11.

**6** A periosteal releasing incision was performed apically to facilitate coronal advancement of the full-thickness/partial-thickness flap to cover 100% of the AlloSpark-GF®–enriched dermal allograft with sling and circumferential sutures.

## OUTCOME

A root fracture occurred on tooth #7 approximately 3 months after surgery. This was addressed with immediate implant placement and temporization. **7** At approximately 11 months after surgery, the final crown was inserted and stable root coverage across the anterior sextant present. Due to the dramatic improvement of esthetics, the patient elected not to replace his anterior crowns.

