

# TOKUYAMA DENTAL CLINICAL CASE REPORT

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PALFIQUE LX5

\* "PALFIQUE LX5" is sold in Japan under the name "ESTELITE Σ QUICK".

## Long-Term Follow-Up of an Anterior Tooth Fracture Case

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Resin composite restorative systems have developed with a keen focus on evolving trends in the clinical practice. Behind this development is the technological expertise of various manufacturers, which has led to the creation of diverse restoration systems now used in the clinical practice. This case presents the treatment of an anterior tooth crown fracture using Tokuyama Dental's bonding system in combination with the resin composite ESTELITE Σ QUICK.

The tooth remove crown was fractured, but and fortunately there was no pulp exposure (Fig.1). After performing the bonding procedure, the replace back with lingual wall was built-up using a silicone guide (Fig.2). ESTELITE Σ QUICK (OA2) was used as the build-up and the value (brightness) blended with the residual tooth substance (Fig.3). Shape adjustment and polishing were performed, completing the restorative process (Fig.4). The resin paste offers excellent handling and superior polishability, allowing for highly esthetic resin composite restorations. Furthermore, even after 7 and 10 years, the surface retained a glossy appearance (Fig.5, 6), and patient satisfaction remained high.



### Report on 7-Year and 10-Year Outcomes Using ESTELITE Σ QUICK



**Fig.1** The patient visited the clinic with a chief complaint of having suffered a severe blow to the anterior teeth, resulting in a tooth remove crown fracture, due to a fall.



**Fig.2** After performing the bonding procedure, the replace back with lingual wall was built-up.



**Fig.3** Considering the value (brightness) of the residual tooth, shade OA2 was use for the build-up.



**Fig.4** After filling with enamel paste (CE), shape adjustment and polishing were performed, completing the restoration.



**Fig.5** Seven years have passed since the restoration. Although the fine details on the labial surface have disappeared due to abrasion, it still exhibits a glossy surface texture.



**Fig.6** Although 10 years have passed, the esthetics remain excellent, and the patient is satisfied.



#### PALFIQUE LX5

##### Syringe Refill

Contents: 1 syringe 2.0mL (3.8g)

Available shades: A1, A2, A3, A3.5, A4, A5, B1, B2, B3, B4, C1, C2, C3, OA1, OA2, OA3, OPA2, BW (Bleach White), WE (White Enamel), CE (Clear Enamel), SW (Snow White)

##### PLT Refill

Contents: 20 PLTs (0.2g each)

Available shades: A1, A2, A3, A3.5, A4, A5, B1, B2, B3, B4, C1, C2, C3, OA1, OA2, OA3, OPA2, BW (Bleach White), WE (White Enamel), CE (Clear Enamel), SW (Snow White)

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