Supplementary Table S1. Crude odds ratios (ORs) with 95 % confidence intervals (CIs) for selected 2 × 2 comparisons (exploratory analysis).

Exposure / Outcome Comparison*	**OR (95 % CI)**
Non-longitudinal (transverse + mixed) vs. longitudinal fracture → Le Fort II–III present	8.4 (2.0–34.6)
Otic-capsule-violating vs. sparing → CSF leak present	5.1 (0.8–33.6)
Otic-capsule-violating vs. sparing → Facial-nerve palsy (HB ≥ II)	3.6 (1.0–13.0)
Non-longitudinal vs. longitudinal → Conductive hearing loss present	1.2 (0.3–5.5)

*All odds ratios are unadjusted and derived from 2 × 2 contingency tables; HB = House–Brackmann grade.

Supplementary Table S2. Otic-capsule status versus early functional outcomes (n = 45)

Otic-capsule status	n	Conductive HL (CHL) n (%)	Sensorineural HL (SNHL) n (%)	Mixed HL n (%)	Facial-nerve palsy (HB ≥ II) n (%)
OCS (sparing)	33	26 (78.8)	1 (3.0)	6 (18.2)	16 (48.5)
OCV (violating)	12	5 (41.7)	5 (41.7)	2 (16.6)	10 (83.3)
p-value*	–	**0.004**			**0.028**

*Fisher's exact test for the distribution of (i) hearing-loss type (CHL / SNHL / mixed) and (ii) facial-nerve palsy across otic-capsule-sparing (OCS) versus otic-capsule-violating (OCV) fractures.

Note: All hearing-loss percentages are calculated within each otic-capsule stratum. Facial-nerve-palsy figures combine immediate- and delayed-onset cases, as defined in Section 2.4 of the main text.