



Supplement 1. (A) Preoperative axial magnetic resonance imaging (MRI) shows a paracentral up-migration ruptured disc compressing the right exiting L1 nerve root. (B) Postoperative axial MRI shows successful removal of the herniated disc with dural expansion. Sagittal scout image (left upper corner) shows the remnants of a small migrated fragment.

Supplement 2. A clip from case 2 demonstrating the surgical set up and step-by-step procedure of O-arm navigation-based transforaminal unilateral biportal endoscopic discectomy at the L2–3 level from the left side (<https://doi.org/10.31616/asj.2025.0072v>).