

TranS1® Technology

TranS1® has pioneered a revolutionary approach to access the lumbar spine. The AxiaLIF™ (Axial Lumbar Interbody Fusion) System includes surgical instruments for creating a safe and reproducible pre-sacral access route to the L5 - S1 vertebral bodies. The AxiaLIF™ technique features novel instrumentation to enable standard of care fusion principles, distraction and stabilization of the anterior lumbar column, while mitigating the soft tissue trauma associated with traditional lumbar fusion through open surgical incisions.

AxiaLIF™, combined with pedicle screws, provides a completely percutaneous 360-degree fusion at L5-S1.

TranS1®: The Least Invasive Approach to Lumbar Fusion™

Native soft tissue spinal support structures are left intact

- Completely spares all muscle, bony, annular and soft tissue
- Minimizes blood loss, nerve and blood vessel damage
- Dynamic decompression of the nerve root via distraction and instantaneous rigid fixation in one step
- Preserves all other surgical options

Least Invasive Access

- Reduces OR time
- Reduces length of stay
- May expedite the patients' post-operative recovery period, enabling them to return to work (as presented at IMAST Bermuda, July 2004).