

HENSLER X SURGICAL

Transforaminal Lumbar Interbody Fusion (L4/5 Level)



Points of Interest:

- The bone represented to the left was ONLY the hemilamina and medial facet. The spinous process was not touched.
- The bone collected filled the implant, the anterior aspect of the disc space and was additive to the minimal synthetic (<5cc) used to complete the graft for fusion.
- Minimal synthetic was combined with the remaining autologous bone, which was placed in the posterolateral gutters of L4/5, lateral to the pedicle screw construct.
- We used a 40mm cutting burr for this case.
- Irrigation thins the blood and the collection of bone, effectively improving the press function of the HBP.



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Quality of the bone after use of the HBP



- The autologous bone collected from the bone press was easily inserted into the interbody using manual manipulation AND anterior to the interbody in the disc space.
- The graft was semi-dry and well compressed.
- The graft was not flakey and easy to manipulate into the form we required for the case.
- Irrigation is the KEY to the mix. The addition of irrigation during drilling or added to the mix prior to press, as much as possible, forces the blood away from the bone during operation of the press, which gives rise the best bone quality and yield.