

## Severe Calcified Vessels with the OneLIF™ Interbody Fusion Device

*Surgeons avoid contact with calcified vessels by leveraging an oblique cage insertion option and unique screw trajectories.*

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A 71 year old male presented with a history of degenerative disc disease, coronary artery disease, atherosclerosis, and calcified vessels (iliolumbar vein).

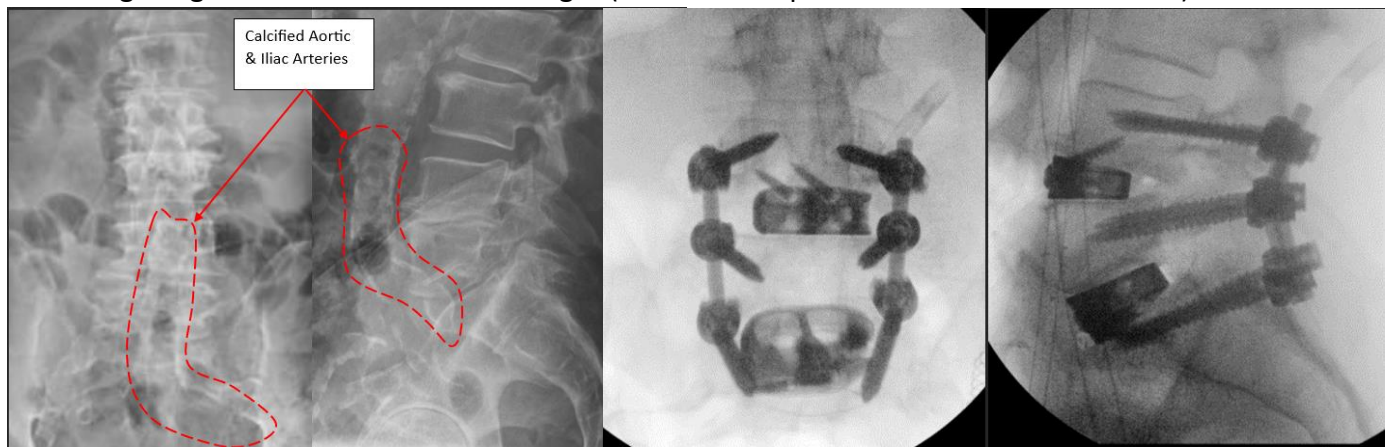
### Procedure

A single ALIF incision provided access to the patient's L4-5 & L5-S1. The surgeons used the OneLIF™ device's oblique inserter hole to limit contact with the calcified iliolumbar vein. They did not need to take segmentals or mobilize the iliolumbar vein. Posterior fixation was performed following implantation of the OneLIF devices.


### Implants Used

**4-5 = Medium Cage - 13° x 8mm Posterior Height (Bone Screws placed in Anterior screw holes)**

**5-1 = Large Cage - 19° x 8mm Posterior Height (Bone Screws placed in Anterior screw holes)**



### Discussion

Spinal patients with arteriosclerosis can present challenges for the surgical team performing anterior lumbar interbody spinal fusion. The OneLIF cage provides an oblique inserter attachment point, enabling a surgical pathway that avoids the left iliolumbar artery to minimize mobilization or resection of the segmentals. Additionally, its unique 'oblique' screw trajectories further minimize vessel retraction. 

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