



May 2018

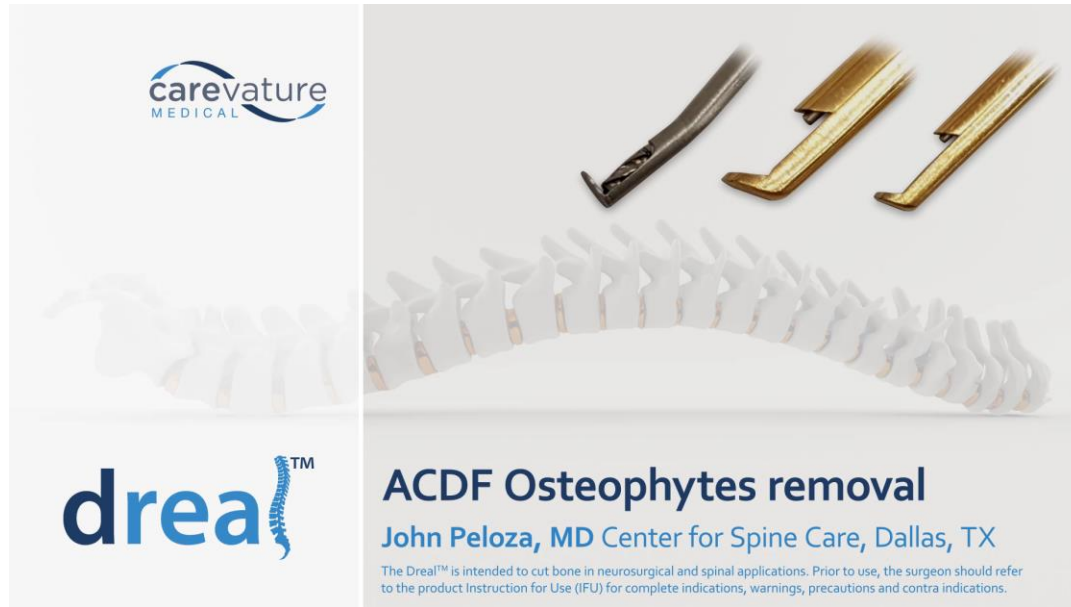
Clinical Experience with the Dreal™

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Israel Spine Center, Senior Surgeon

Anterior Cervical Fusion: Osteophytes Removal

Discectomy Case Video



Video [Link](#)

Corpectomy Case Video



Video [Link](#)

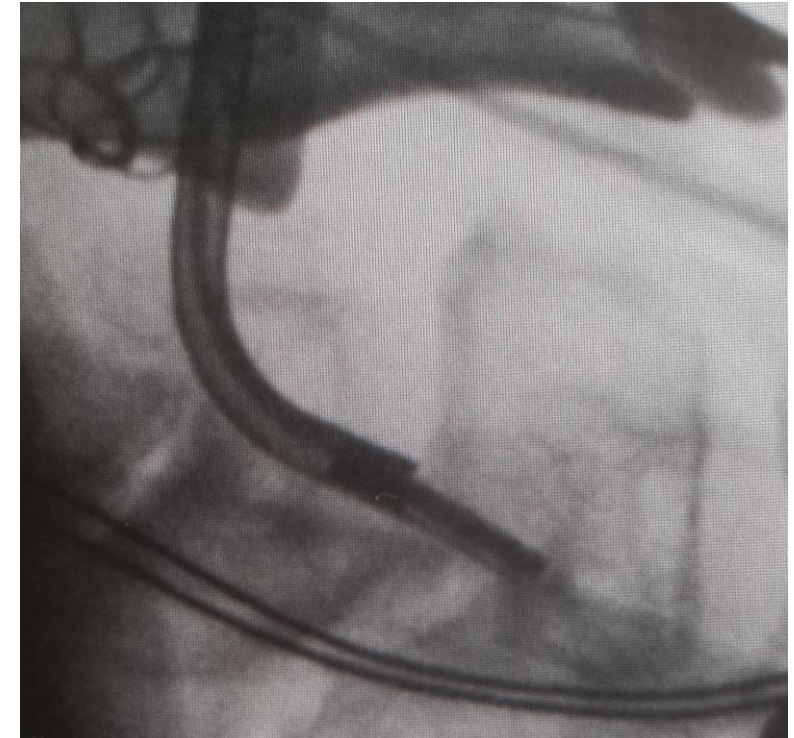
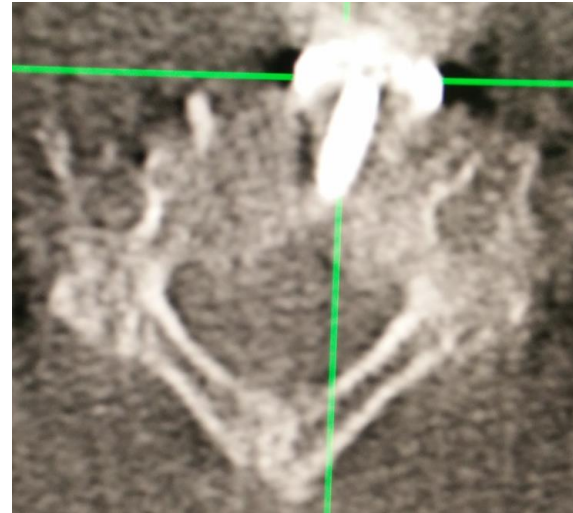
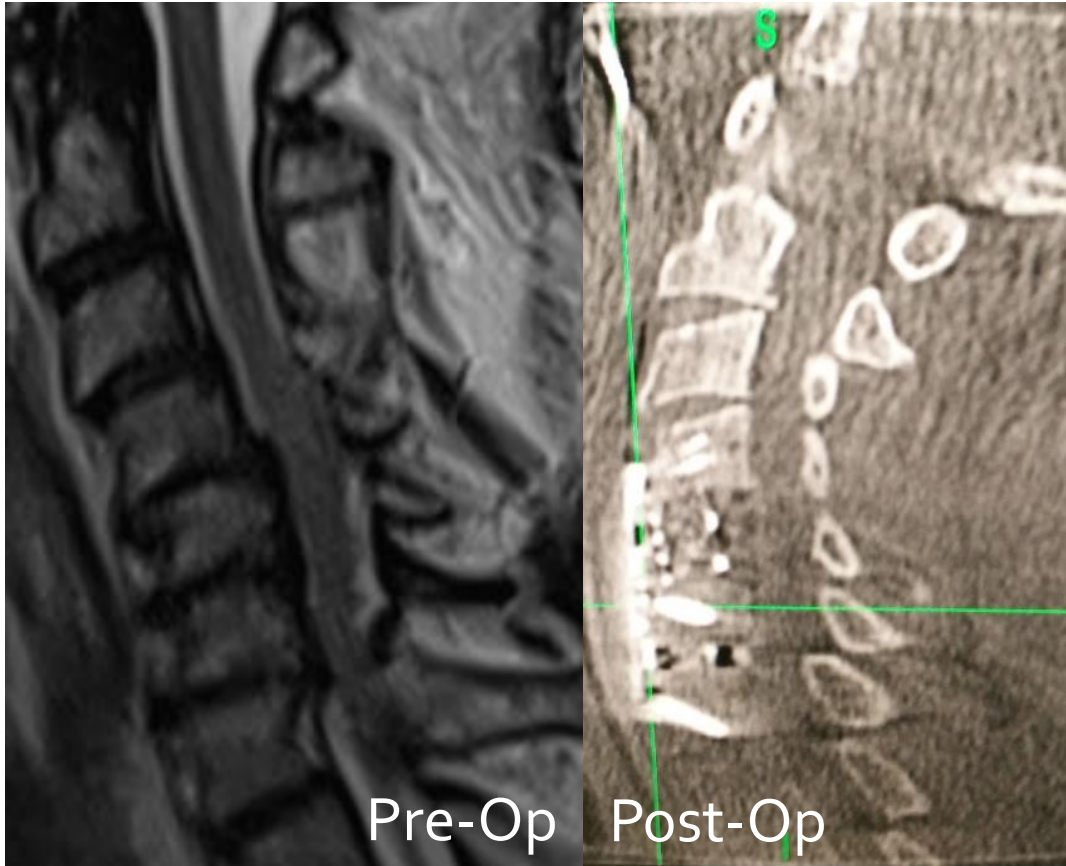
Osteophytes Removal: Case Series [Israel]

This study presents a new technique for osteophyte removal during anterior cervical corpectomy and fusion (ACCF) procedures. This technique utilizes a shielded curved drill used following corpectomy to **gain access to osteophytes in adjacent vertebrae, eliminating the need to remove them.**

39 patients (ages 29-84) were treated using this method in a single institution. All procedures included osteophyte removal using this technique, otherwise requiring an additional level of corpectomy. All procedures were uneventful and without major complications. Average procedure length was 79 minutes. Blood loss did not exceed 250ml. The average length of stay was 3.4 days. At follow-up, patients showed improvement in pain and motor ability.

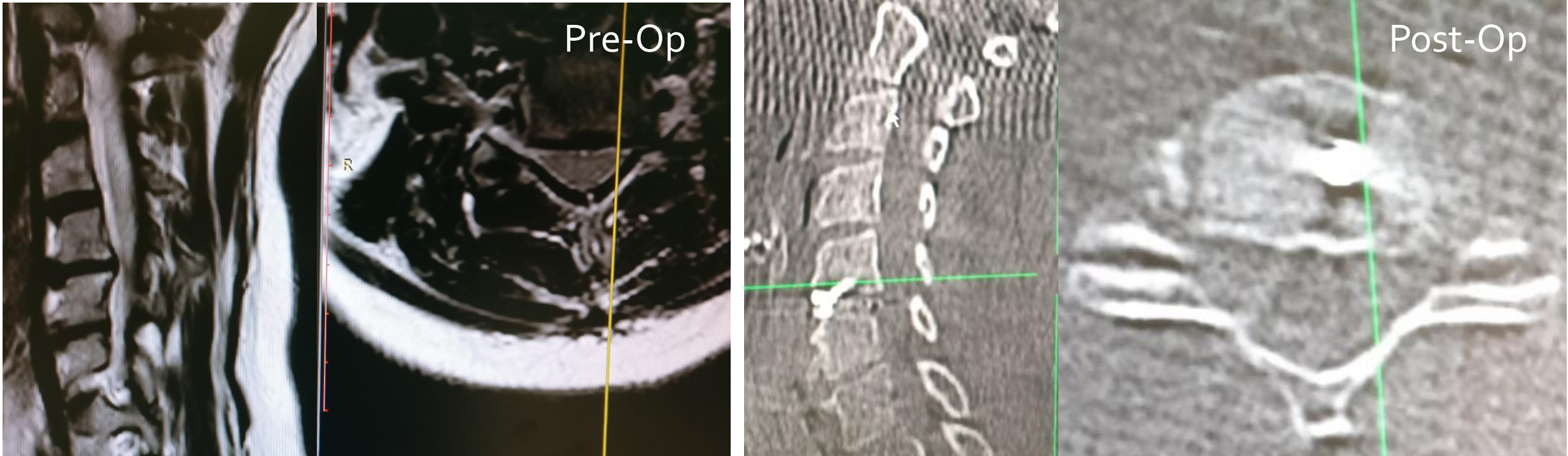
Osteophytes Removal: Case Report I

- 69-years-old male
- Severe cervical myelopathy, multilevel cord compression.



Osteophytes Removal: Case Report II

- 43-year-old female
- Suffering of long standing Lt. radiculopathy



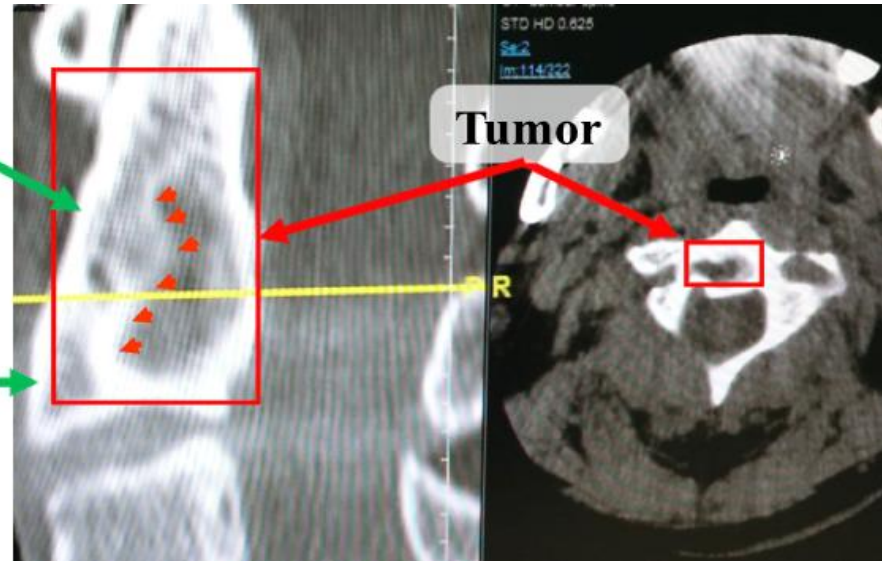
Dens Tumor Removal

- 62YO male with a vertebral tumor of the base of the Dens
- Suffered radiculopathy of the right arm; **operated for an ACDF procedure on the C5-C6 level**
- Entire tumor removal using the device required less than two minutes; operation length was 63 minutes
- 200ml estimated blood loss

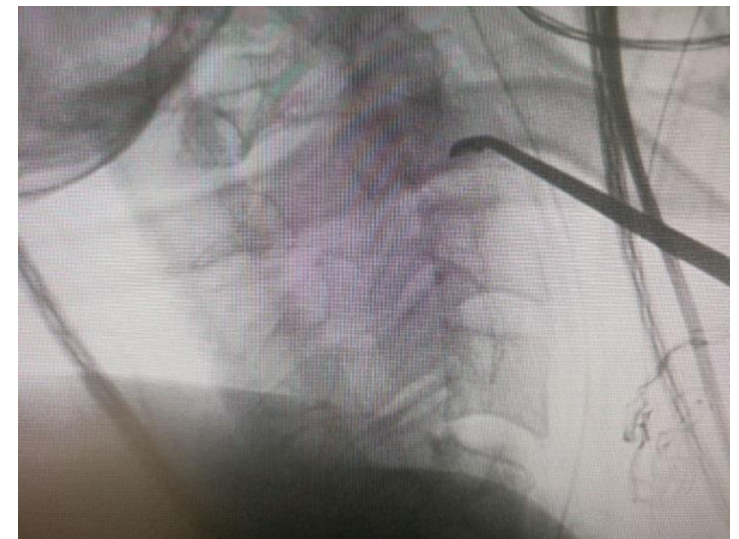
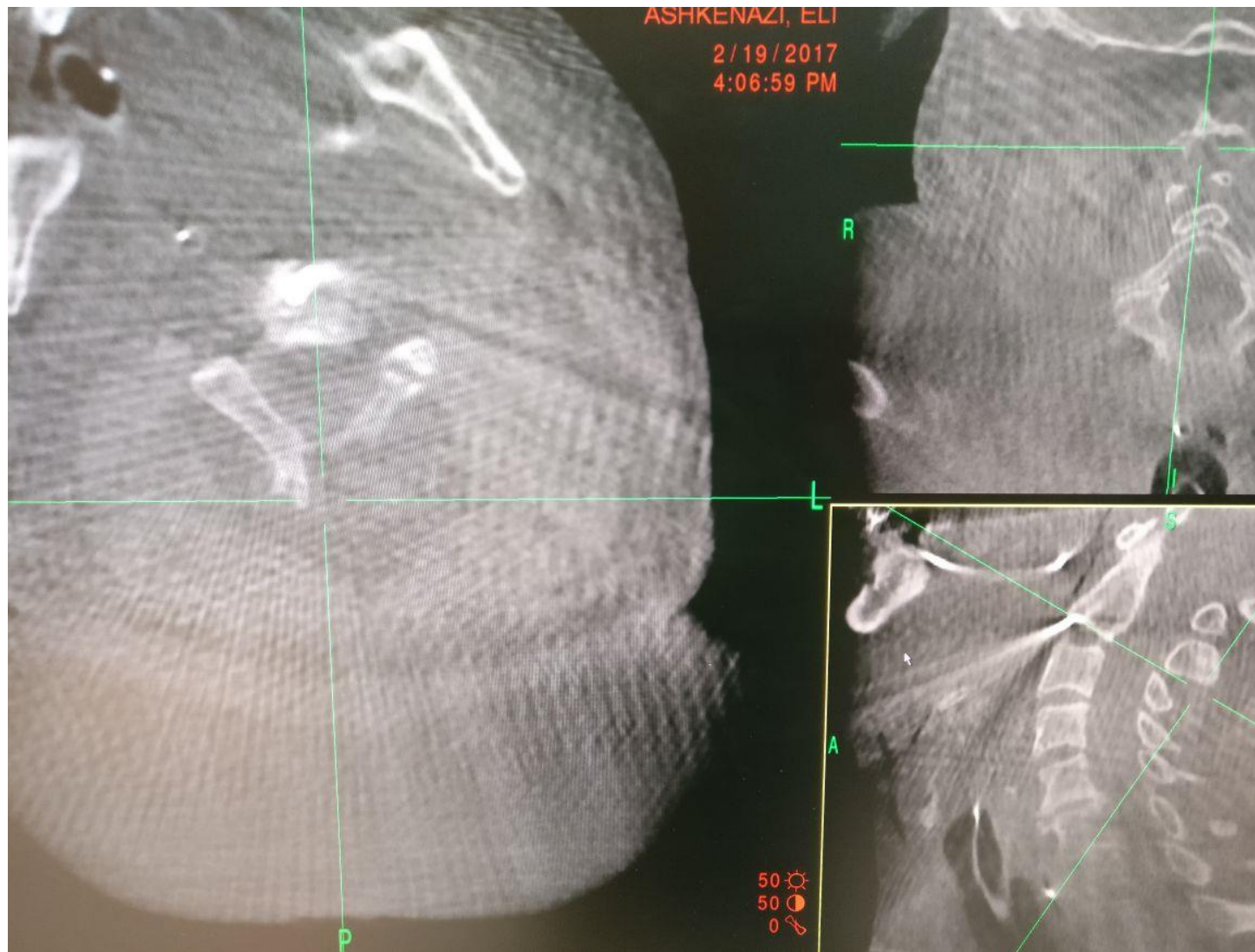
Access to the inner
vertebra tumor

Healthy
tissue

Tumor

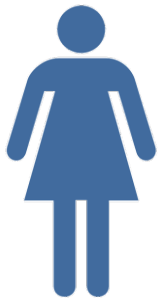


Dens Tumor Removal... cont.

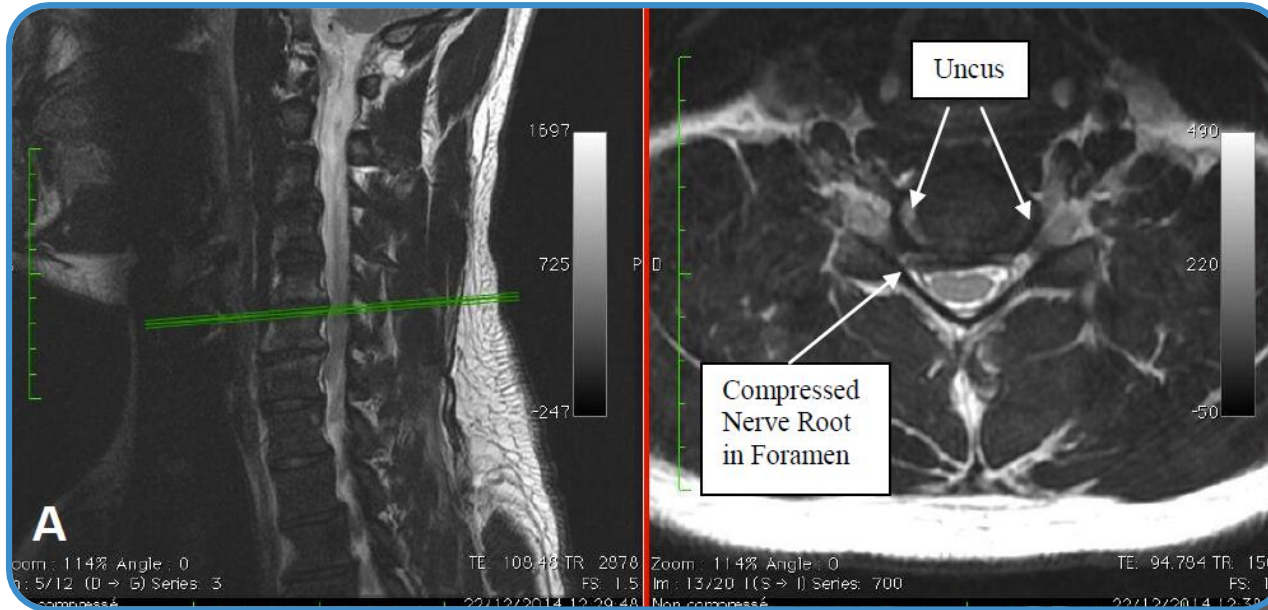
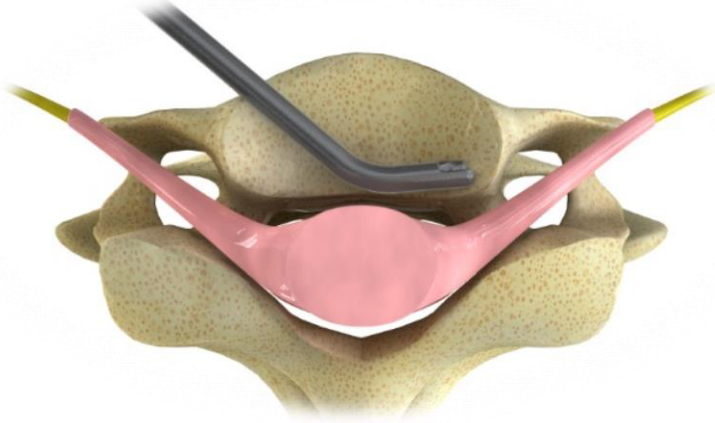


Uncinate Resection and Foraminotomy in ACDF

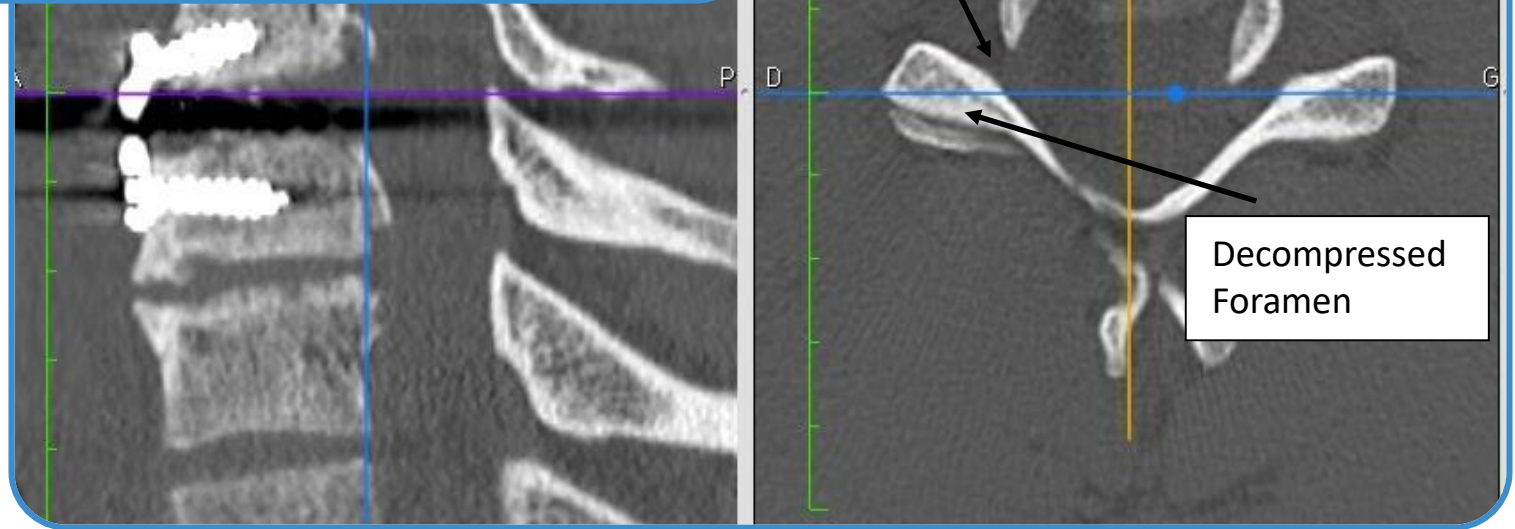
61 Yrs
Female



Hand pain



Uncinate resection Facilitated Cervical Foraminotomy using a new high-speed shielded curved device, a 20-patient case series; *Bernard, Pierre*



Summary: Dreal™ Benefits

- Safe, targeted & efficient bone removal in the cervical, thoracic & lumbar spine
- Anatomy preserving, avoiding destabilization
- Lessening the need for fusion in some cases
- Minimizing cervical vertebral resection for osteophyte removal

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