

# CASE STUDY:

## Posterior Cervicothoracic Laminectomy and Fusion (C2-T2) with SYMPHONY™ OCT System and MULTIPOINT SECURE

“Lateral mass fixation is not always ideal but MULTIPOINT SECURE has provided a great option for additional fixation when traditional lateral mass screw fixation may not be enough.”

“Adding a Multipoint connector did not change my regular workflow and only took a few minutes to add extra fixation to the three lateral mass screws.”



**Dr. Paul Kim**

Chief, Department of Neurosurgery; Carolina Medical Center, Charlotte, NC  
Associate Professor, Department of Orthopedics, Carolinas Medical Center (Atrium Healthcare).  
Partner at Carolina Neurosurgery & Spine Associates (CNSA)

### Patient History:

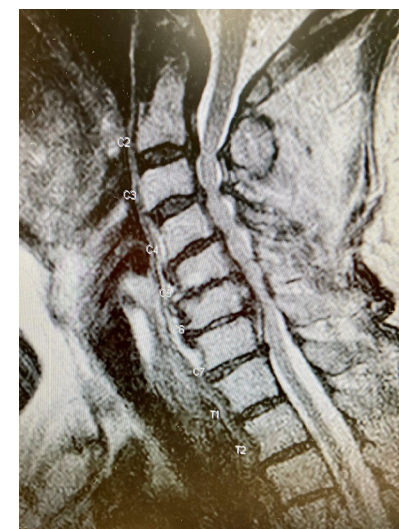
- Male
- 73 years old
- Significant cervical stenosis C2-T1 with loss of cervical lordosis;
- Severe multilevel cord compression with myelopathy
- Suboptimal bone\*

### Surgical Intervention:

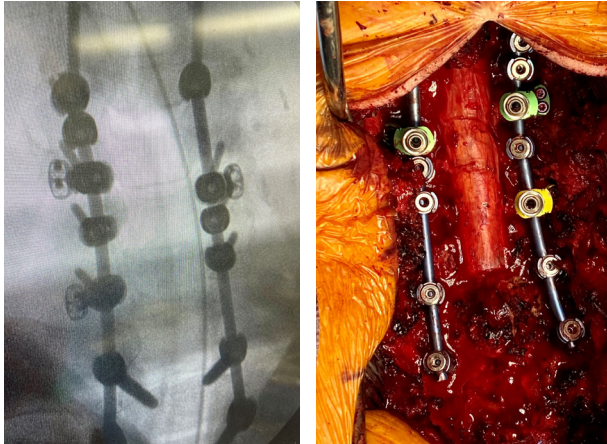
- Posterior instrumentation C2-T2 with DePuy Synthes SYMPHONY™ OCT System
- Laminectomy (C2-T1) for multi-level cervical stenosis
- C2 pedicle screws
- Lateral mass screws C3-6, omitted left C3
- T1 and T2 pedicle screws
- 4.0 Ti rod
- Posterior arthrodesis C2-T2
- Mixture of autograft and demineralized allograft
- MULTIPOINT SECURE at right C4, right C6 and left C4

### Pre-Op Images:

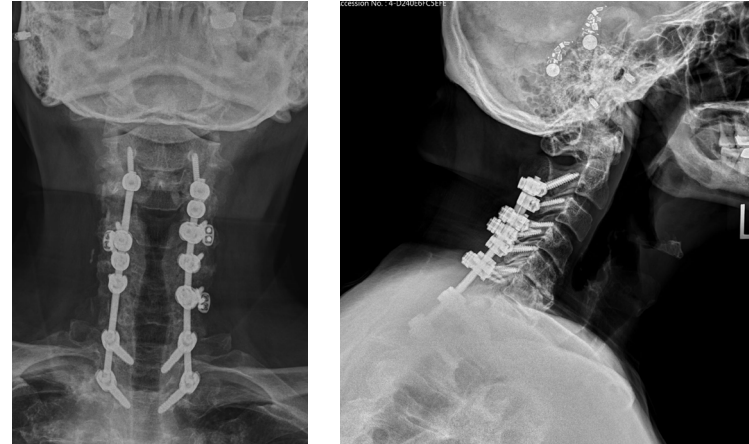
- Sagittal T2 MRI shows cervical stenosis



## Intra-Op Images:



## Post-Op Images:



## Outcome Data:

- Doing well at 3 months
- Starting outpatient PT and returning back to full activity with continued improvement of neurological function

- AP and lateral x-rays at 3-month follow-up shows stable hardware positioning with maturing posterolateral fusion from C2-T2

Dr. Paul Kim is presenting on behalf of DePuy Synthes Spine. His presentation reflects the opinions of the individual presenter, and the steps described may not encompass the complete steps of the procedure. Additionally, other surgeons may prefer different techniques, approaches, etc., as individual surgeon experience in his/her clinical practice, as well as patient needs, may dictate variation in procedure steps.

Accordingly, results from any case studies reported in this presentation may not be predictive of results in other cases. Before using any medical device, review all labeling, including without limitation; the Instructions for Use (IFU), and relevant package inserts with particular attention to the indications, contraindications, warnings and precautions, and steps for use of the device(s).

Please refer to the instructions for use for a complete list of indications, contraindications, warnings and precautions.

\* The SYMPHONY™ OCT System is relatively contraindicated for osteopenia and contraindicated for osteoporosis.

