



12<sup>TH</sup> HOLE GOLDEN BELL  
AUGUST NATIONAL





# ADVANCED INTERVENTIONAL MODALITIES.

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SURGERY

# WHAT KIND OF PRACTICE AM I IN?

Examples of different referral workflows :

Pain Physician -> Surgeon

Surgeon -> Pain Physician

Pain Physician <-> Surgeon

MILD

LUMBAR SPINAL STENOSIS

VERTIFLEX



# LSS POPULATION IS LARGE & MAJORITY HAVE NEUROGENIC CLAUDICATION (NC)

This **patient population** is **large**, currently **in treatment**, and difficult to treat.



LSS prevalent in  
**10–15%**  
of patients  
60+ yrs of age<sup>2</sup>



of LSS patients have  
neurogenic claudication (NC)<sup>3</sup>



**Diminished  
quality of life**  
due to limited mobility and pain

<sup>1</sup>Health Market Science report for Vertos Medical (2013).

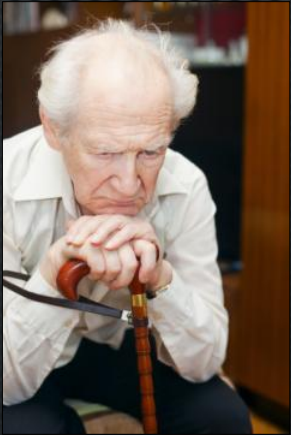
<sup>2</sup>Kalichman, et. al. (2009). Spinal stenosis prevalence and association with symptoms: the Framingham Study. *The Spine Journal* 9; 545–550.

<sup>3</sup>Hall, S., et. al. (1985). Lumbar spinal stenosis: Clinical features, diagnostic procedures, & results of surgical treatment in 68 patients. *Ann Intern Med* 1985;103(2):271-5.



# WE ALL HAVE BOXES WE CHECK DAILY

## AN EASILY IDENTIFIABLE & GROWING POPULATION



First ones to find an open chair in your waiting room



*"I can no longer walk without help."*



Spend the majority of their day sitting



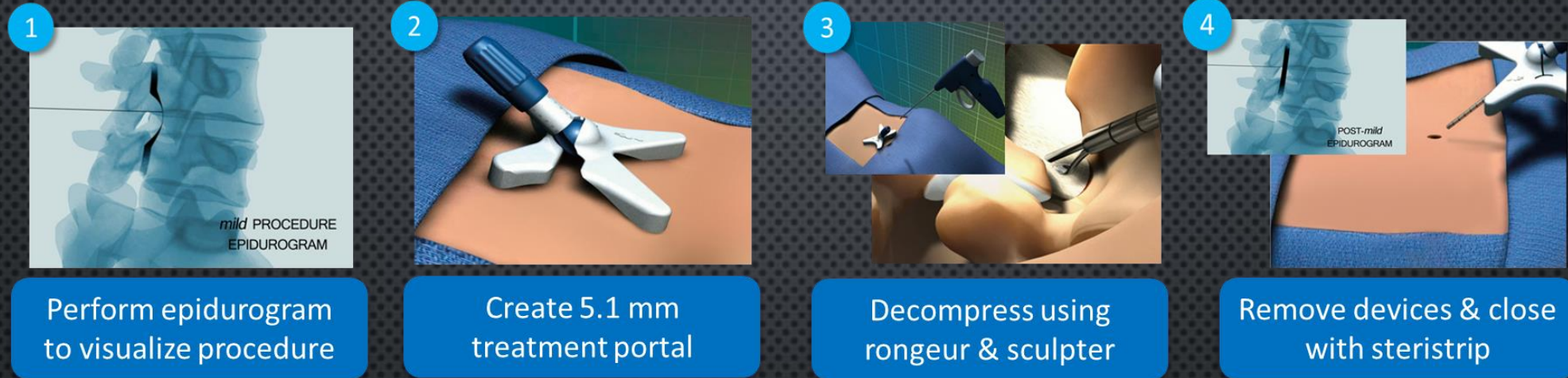
*"I am unable to stand & wash my dishes."*





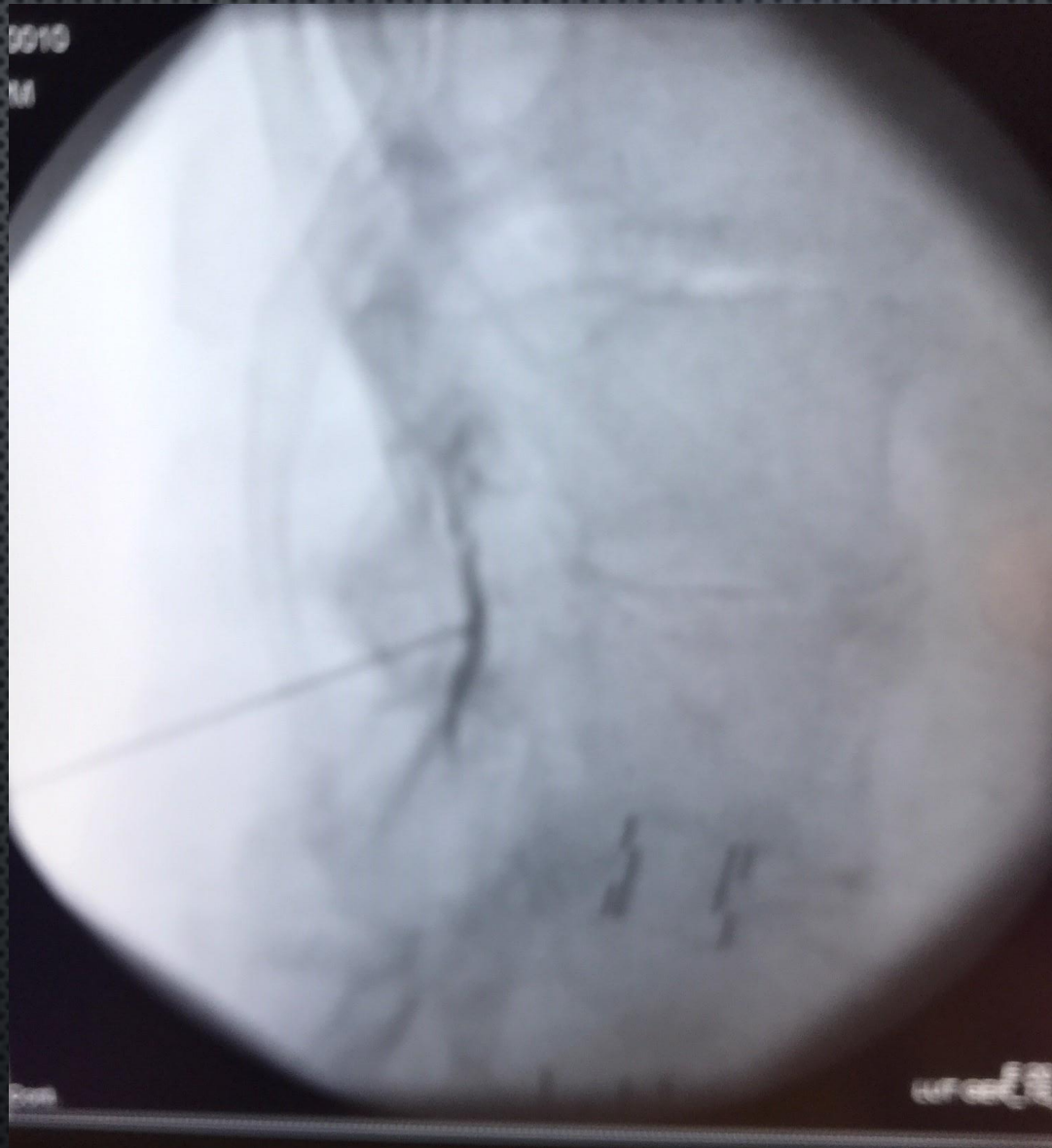
MILD

# DECOMPRESSION PROCEDURE OVERVIEW



Constant visualization using epidurogram throughout procedure is critical to safety and efficacy.

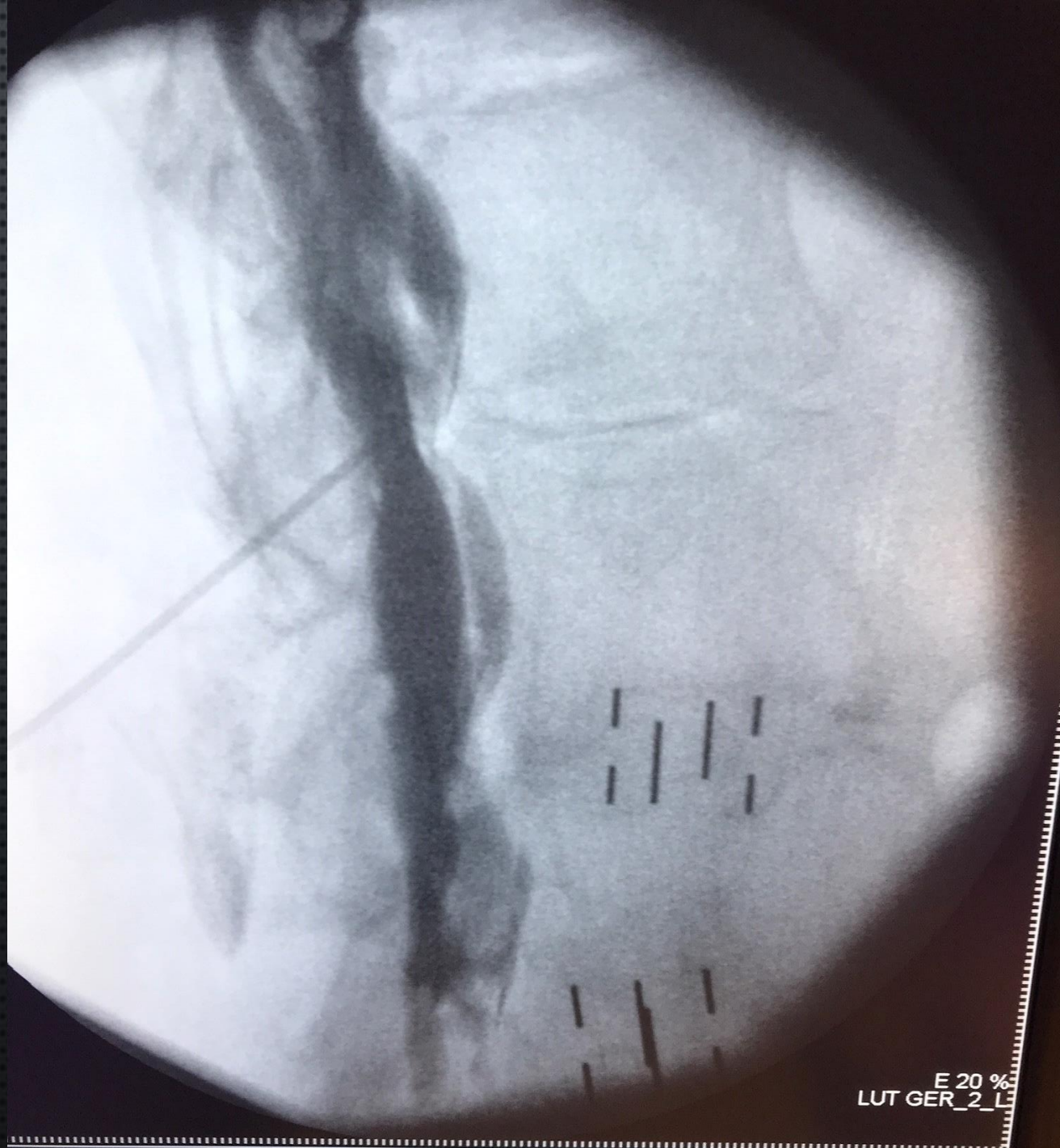




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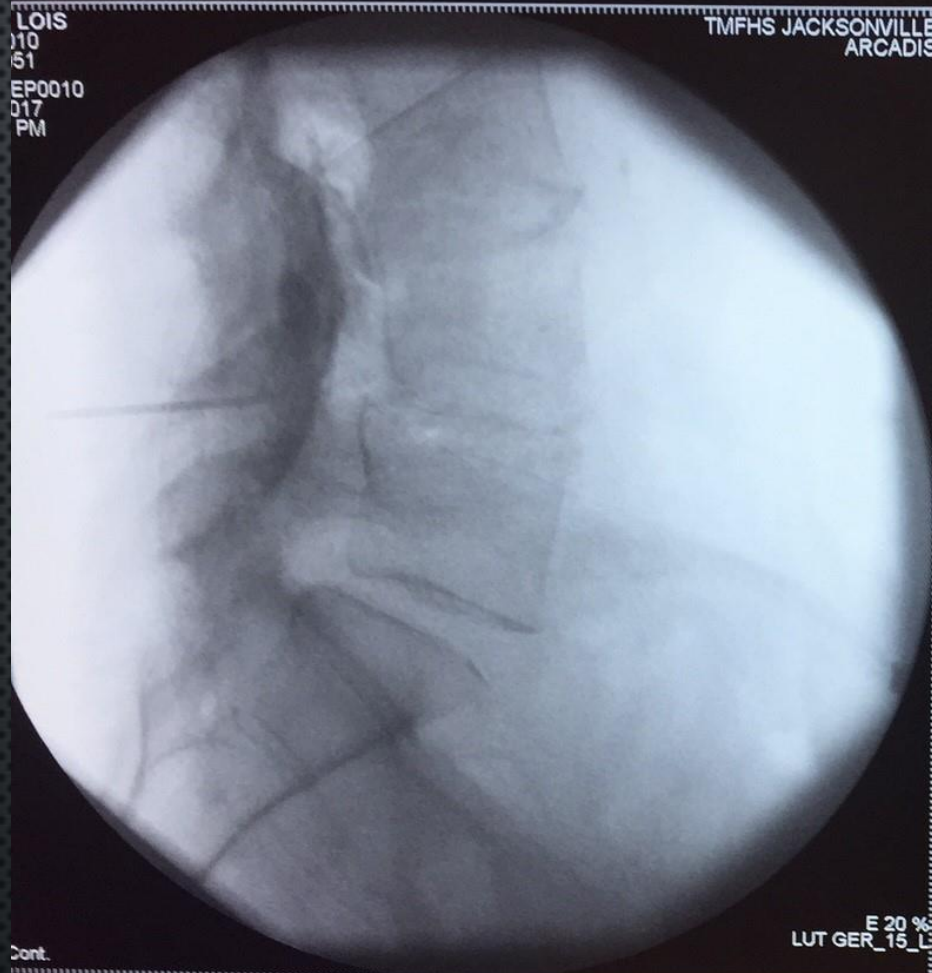






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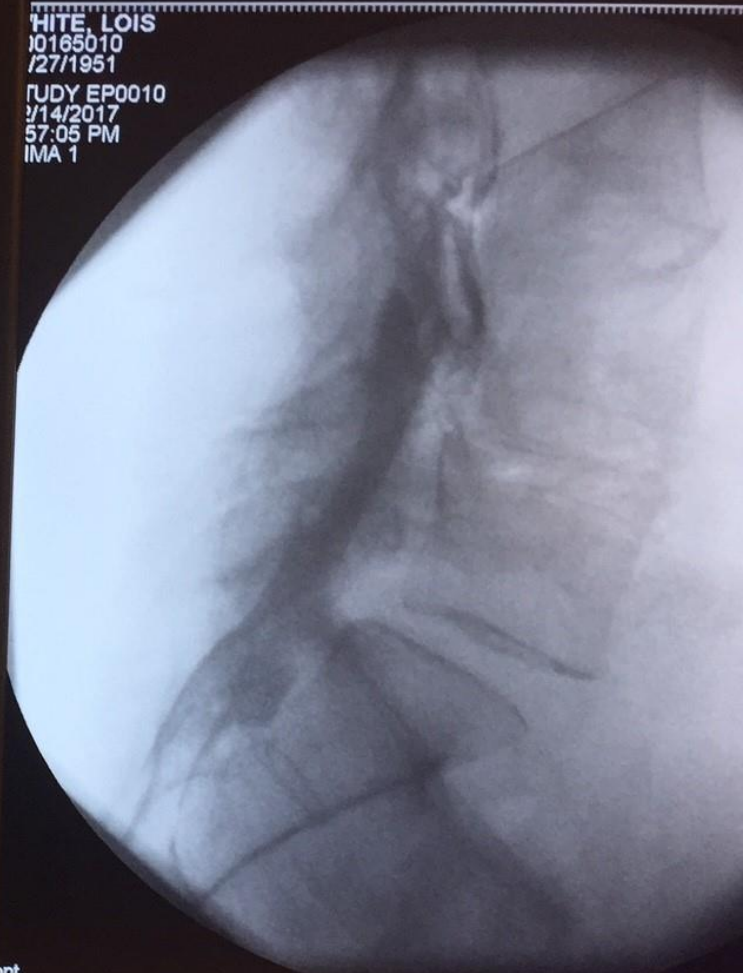
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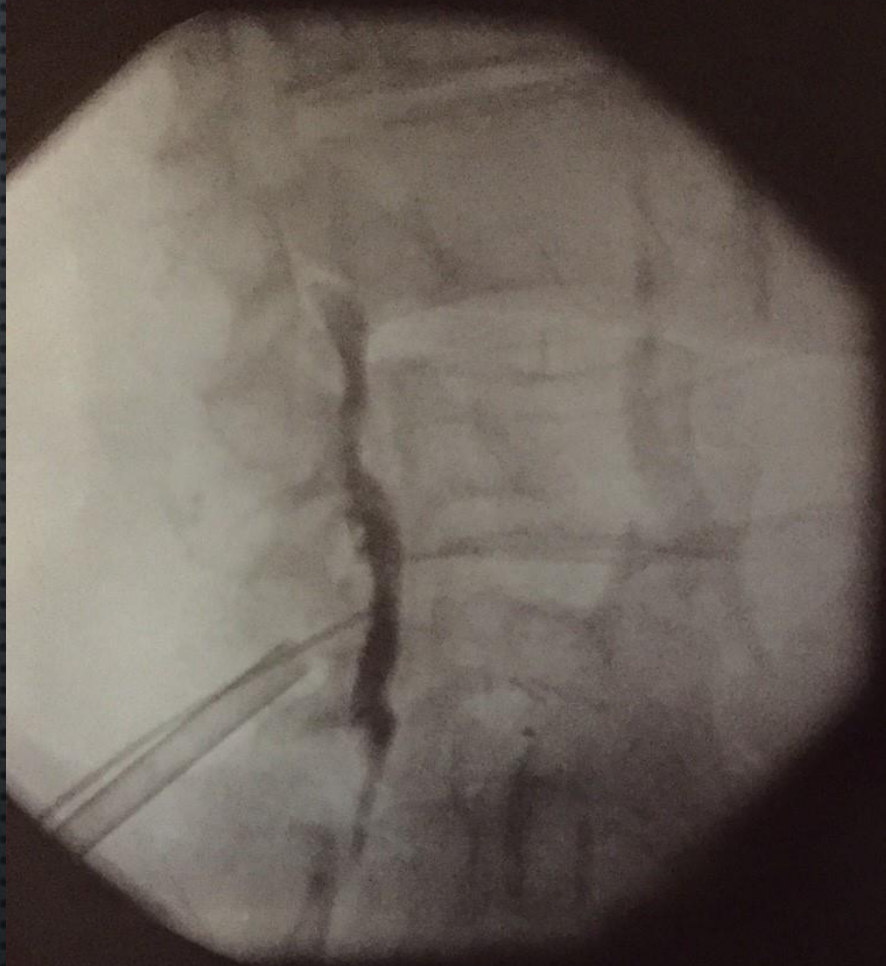


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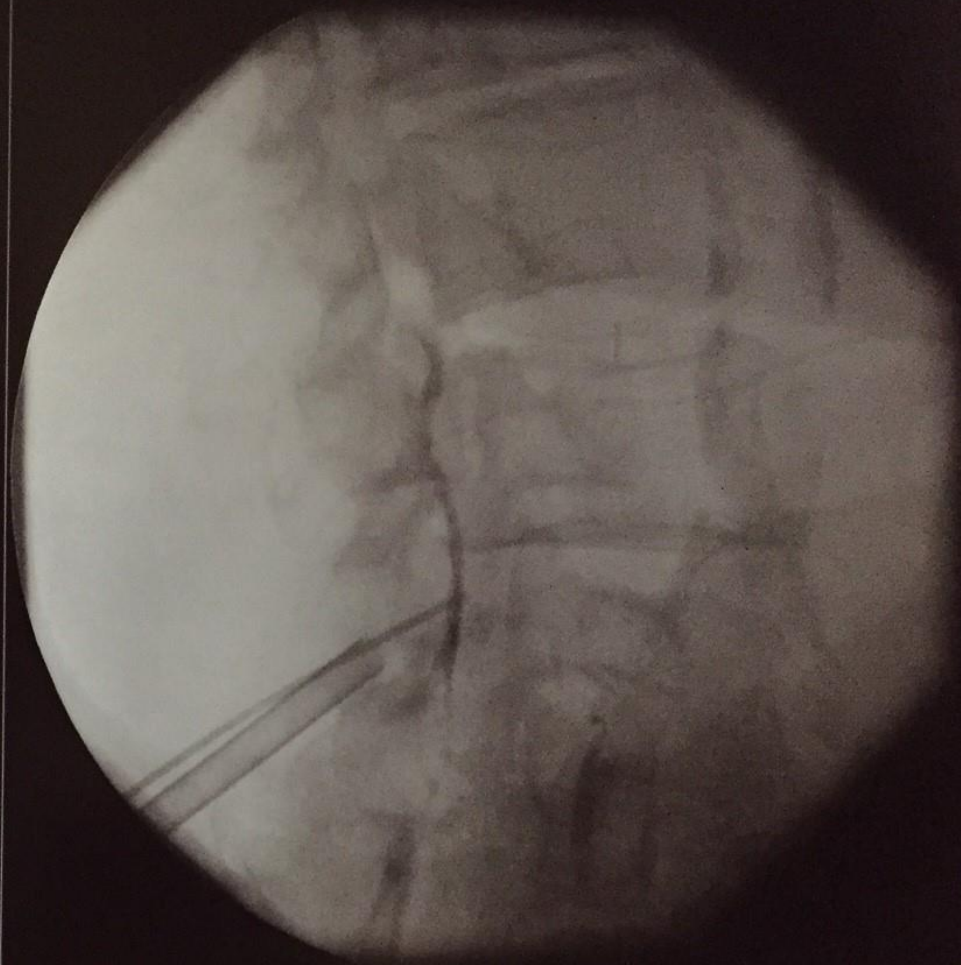
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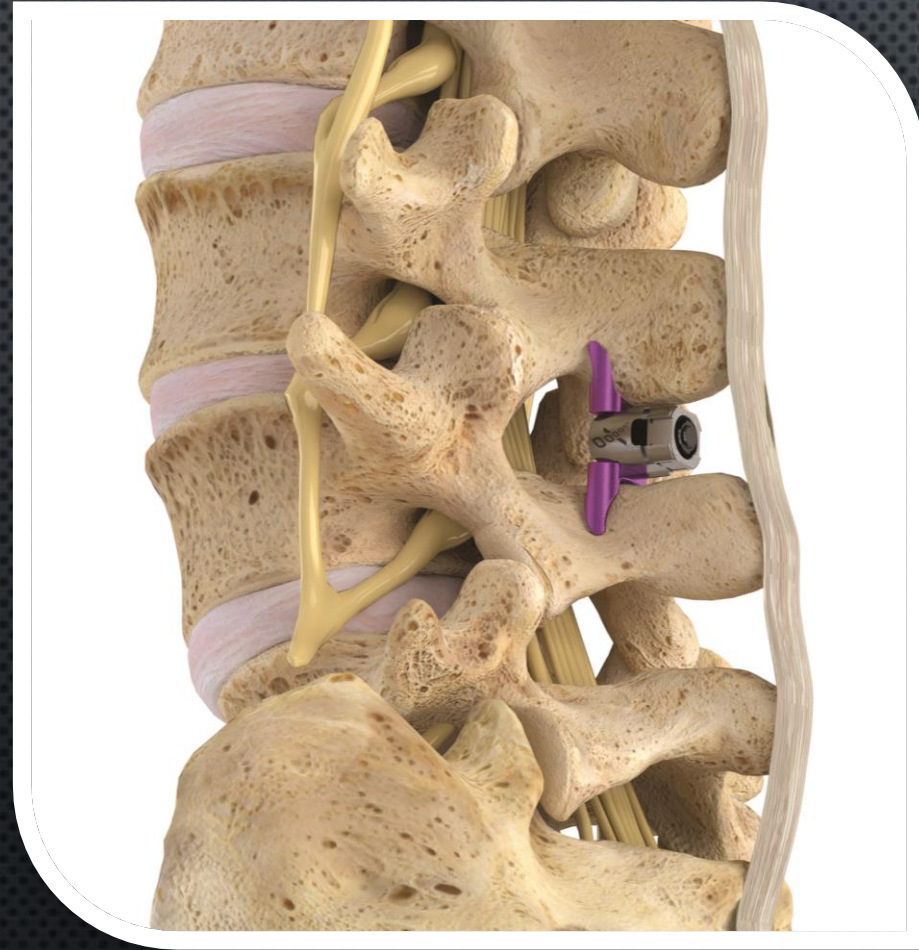
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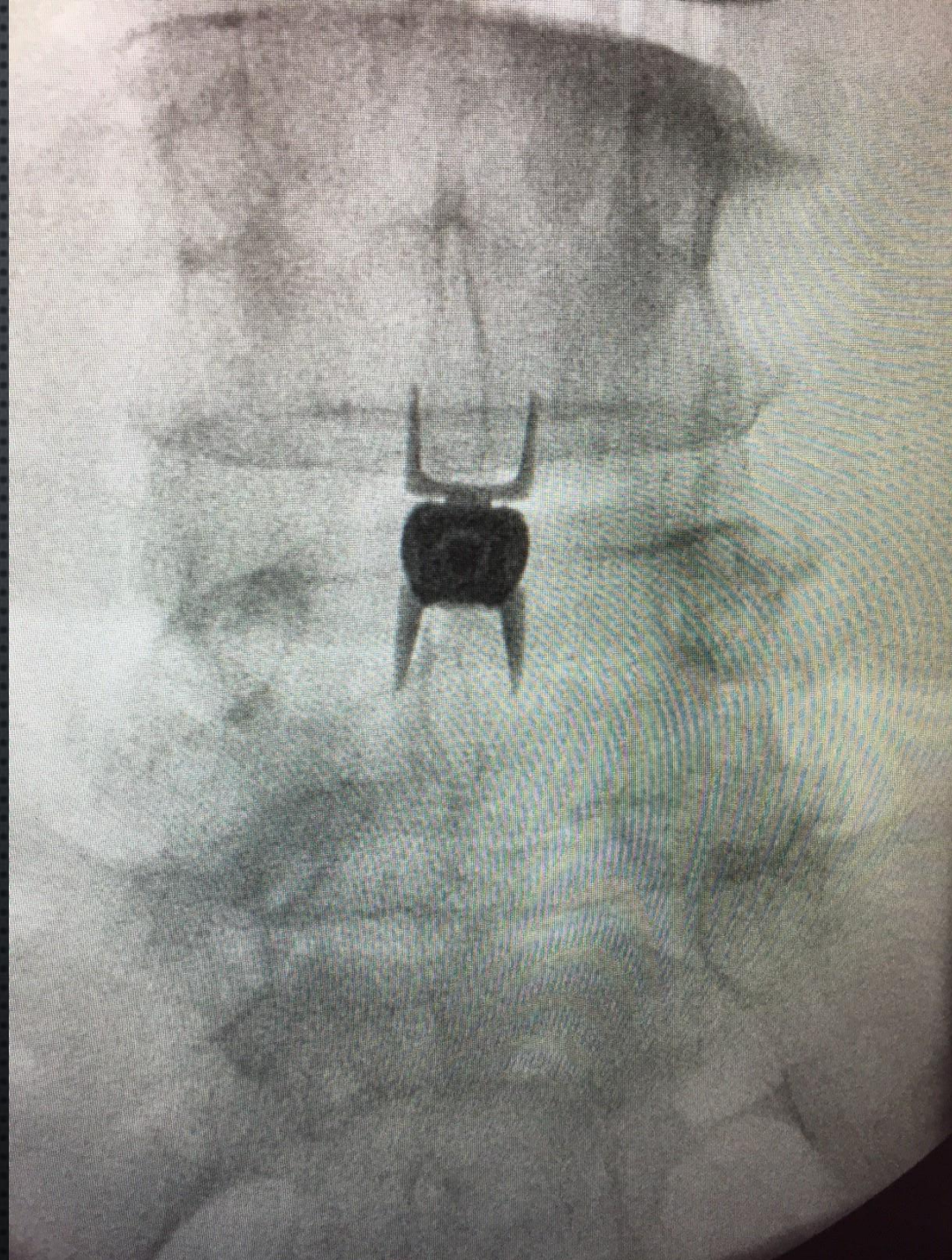
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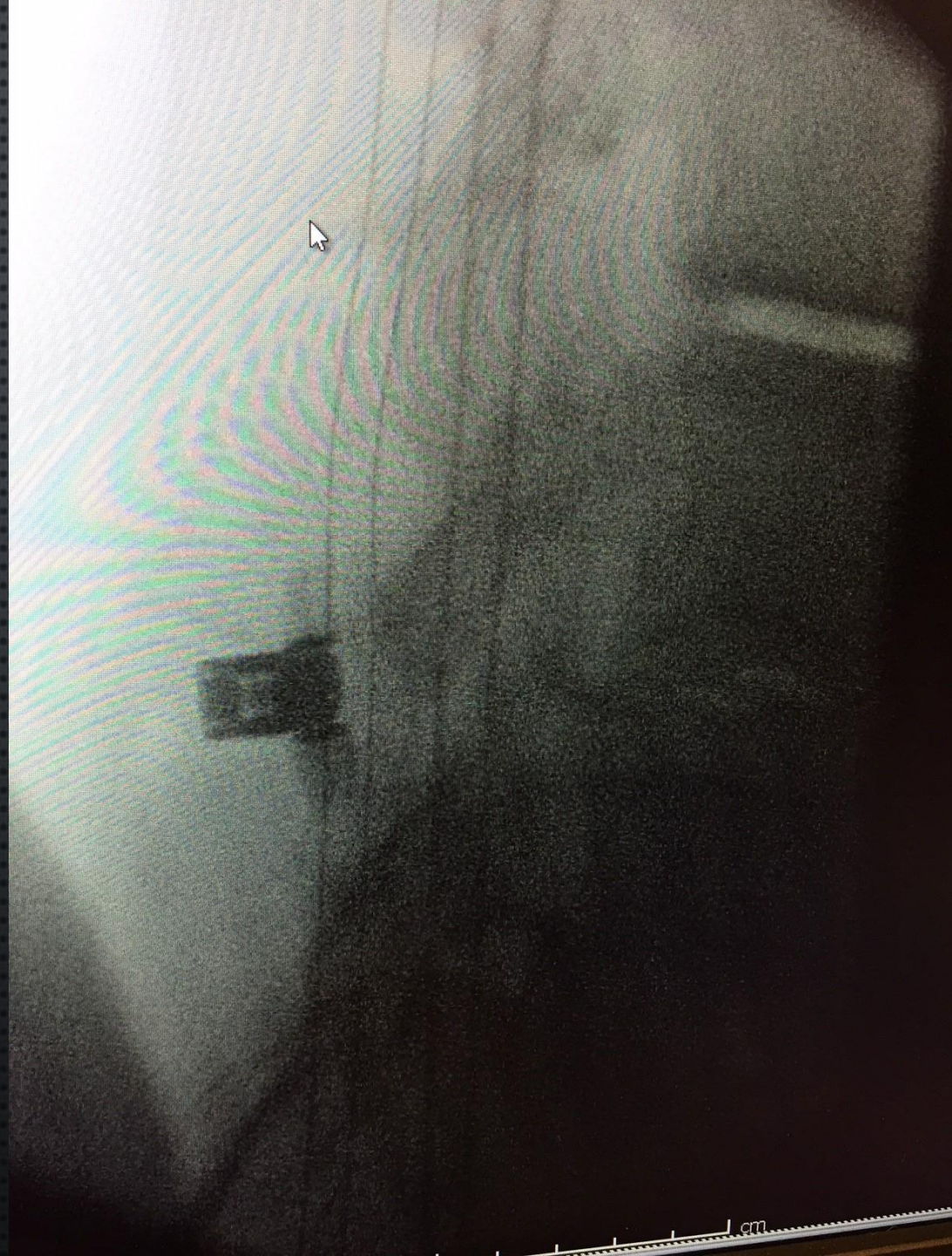
VERTIFLEX













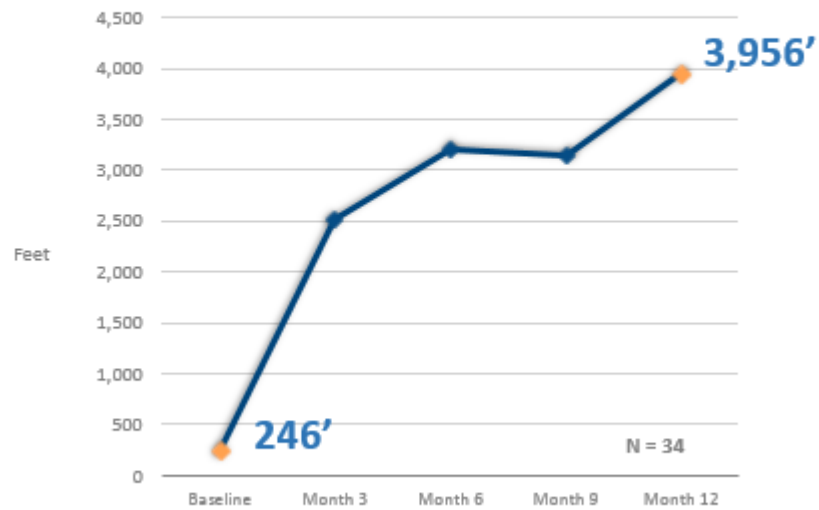
LONGEVITY/OUTCOMES

BE YOUR OWN STUDY



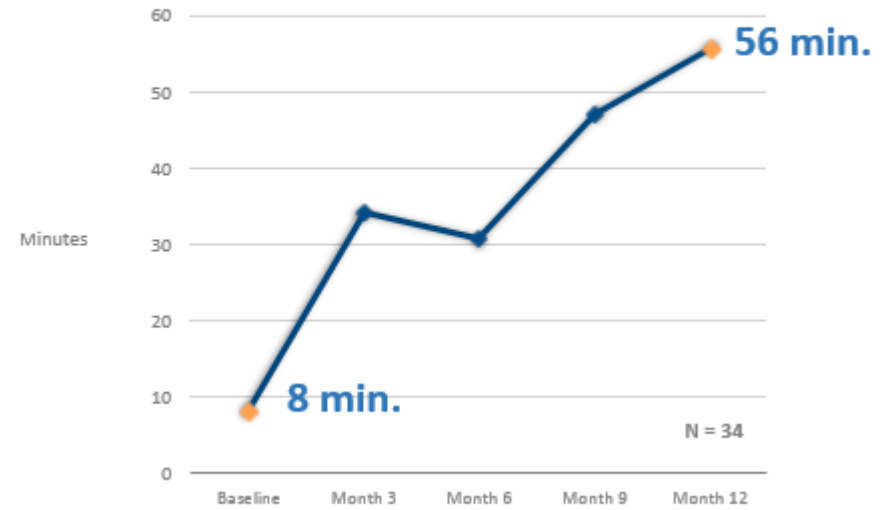
# MILD

Mean Walking Distance  
at Each Follow-up



Cleveland Clinic Study, 1 – Year Outcomes

Mean Standing Time  
at Each Follow-up



Cleveland Clinic Study, 1 – Year Outcomes

# Vertiflex

## 5 YEAR EFFICACY AND DURABILITY

SUPERIOR CLINICALLY SUCCESSFUL IN EACH CATEGORY

Responder Success at	2 years	3 Years	4 Years	5 Years
ZCQ Physical Function	72.5%	79.6%	80.0%	80.7%
ZCQ Symptom Severity	77.1%	84.3%	83.4%	75.0%
<b>ZCQ Patient Satisfaction</b>	<b>84.0%</b>	<b>91.7%</b>	<b>86.7%</b>	<b>89.8%</b>
ODI	63.4%	67.6%	61.1%	64.8%
VAS – Back Pain	67.2%	76.6%	66.7%	64.7%
<b>VAS – Leg Pain</b>	<b>75.6%</b>	<b>82.8%</b>	<b>78.2%</b>	<b>80.0%</b>
No Reoperations	80.0%	78.4%	75.3%	74.7%
No Revisions				

- SP fractures: 16% - Majority asymptomatic, and did not affect efficacy outcomes
  - Rate of fracture in commercial use: <1%
- No migrations & no dislodgements throughout the IDE trial and commercialization



EFFECTIVE AND DRAMATIC RESULTS



MILD



October 31<sup>st</sup> 2018  
Los Angeles, CA

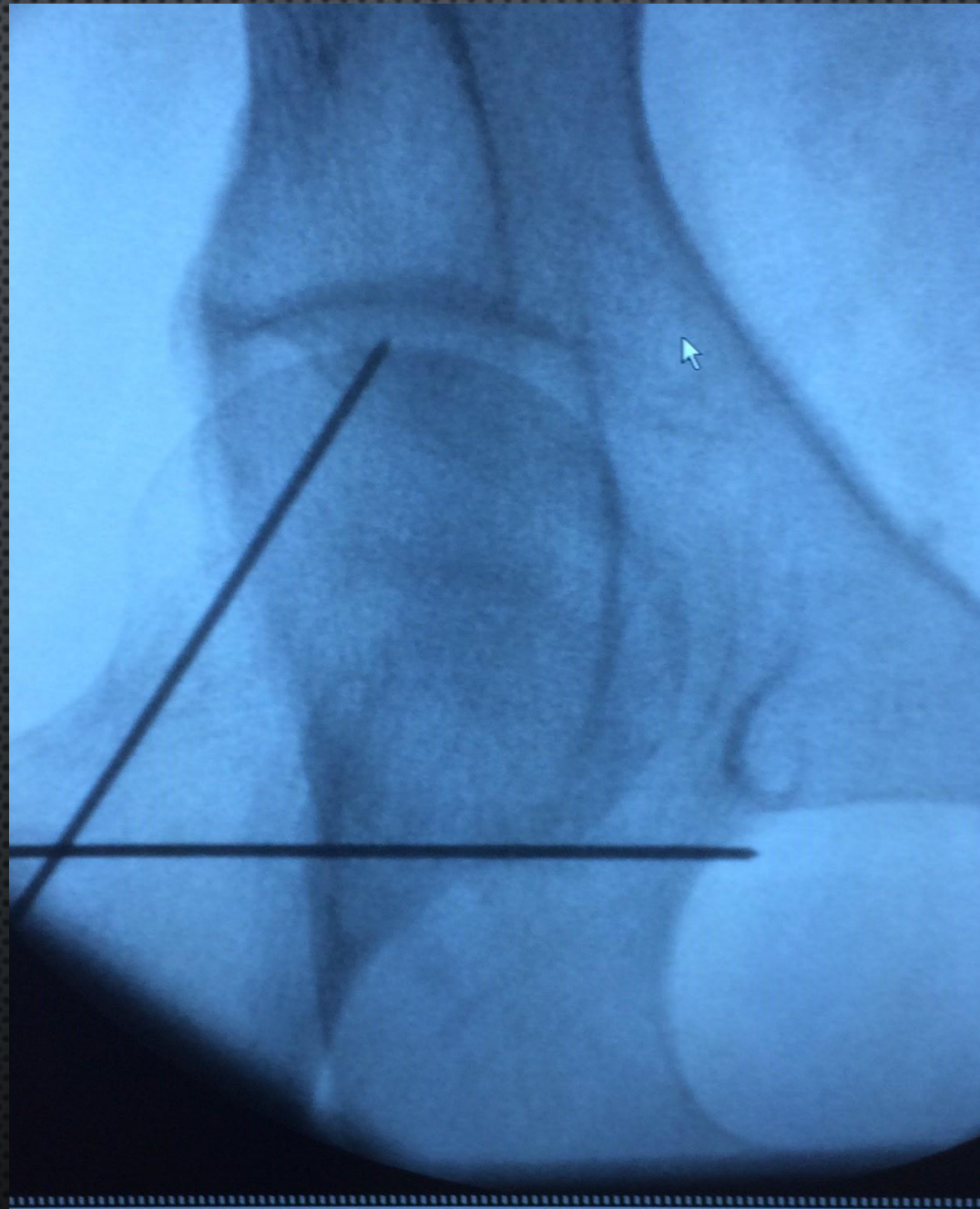
VERTIFLEX



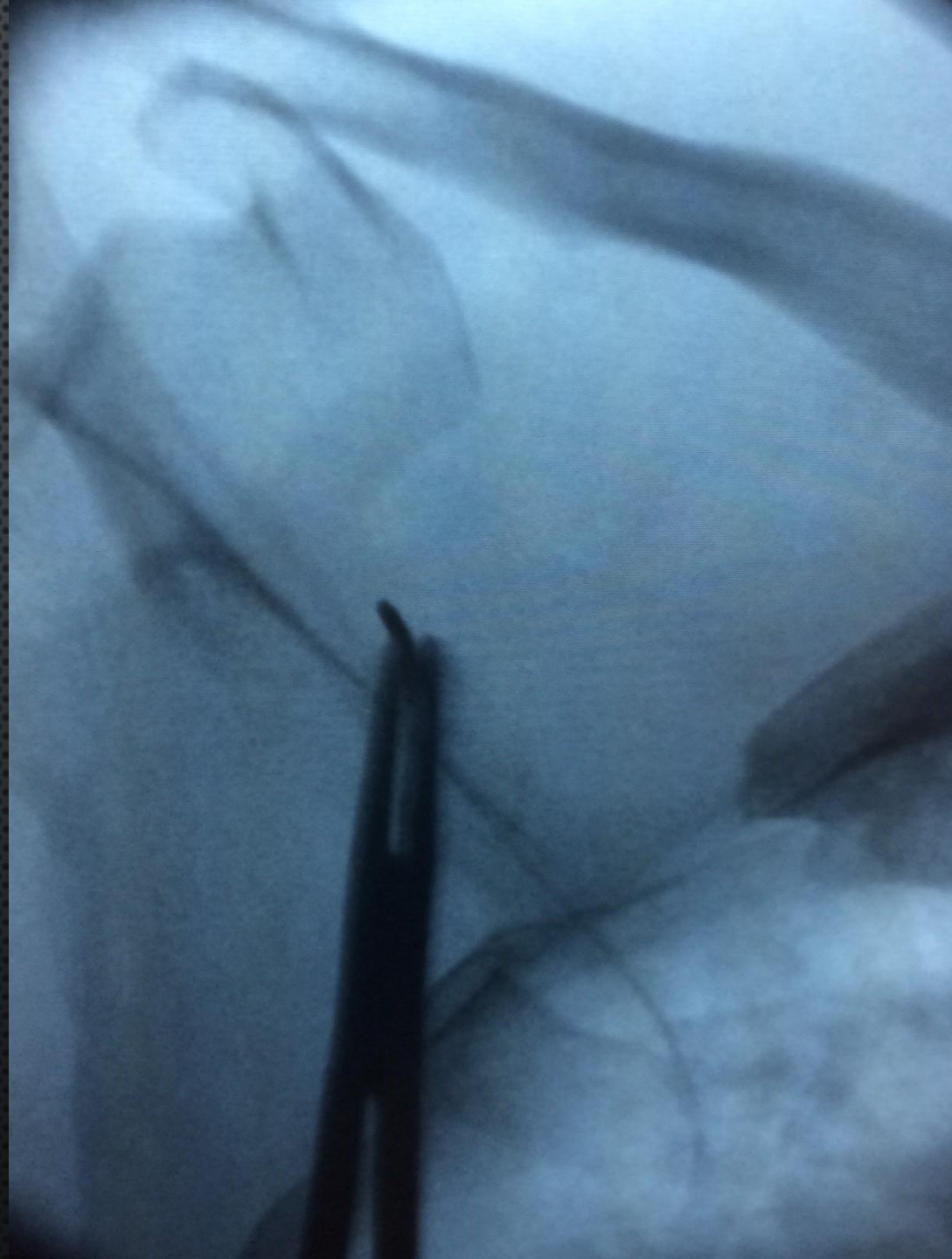
"I'm gardening again,  
thank you so much.  
My husband is still upset because  
I'm 2 inches taller than he  
is since the procedure."



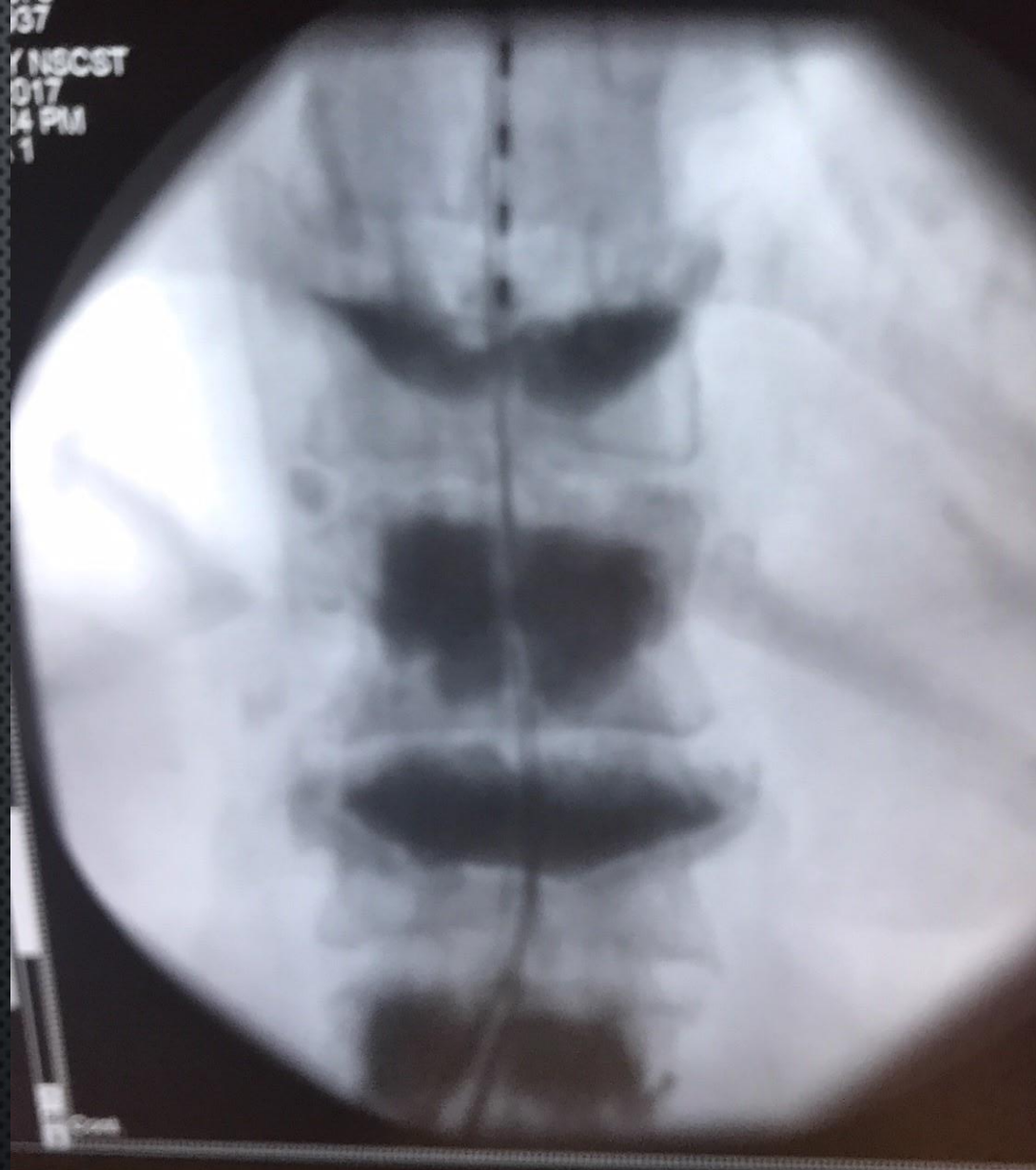
# ADVANCED RFA TREATMENTS







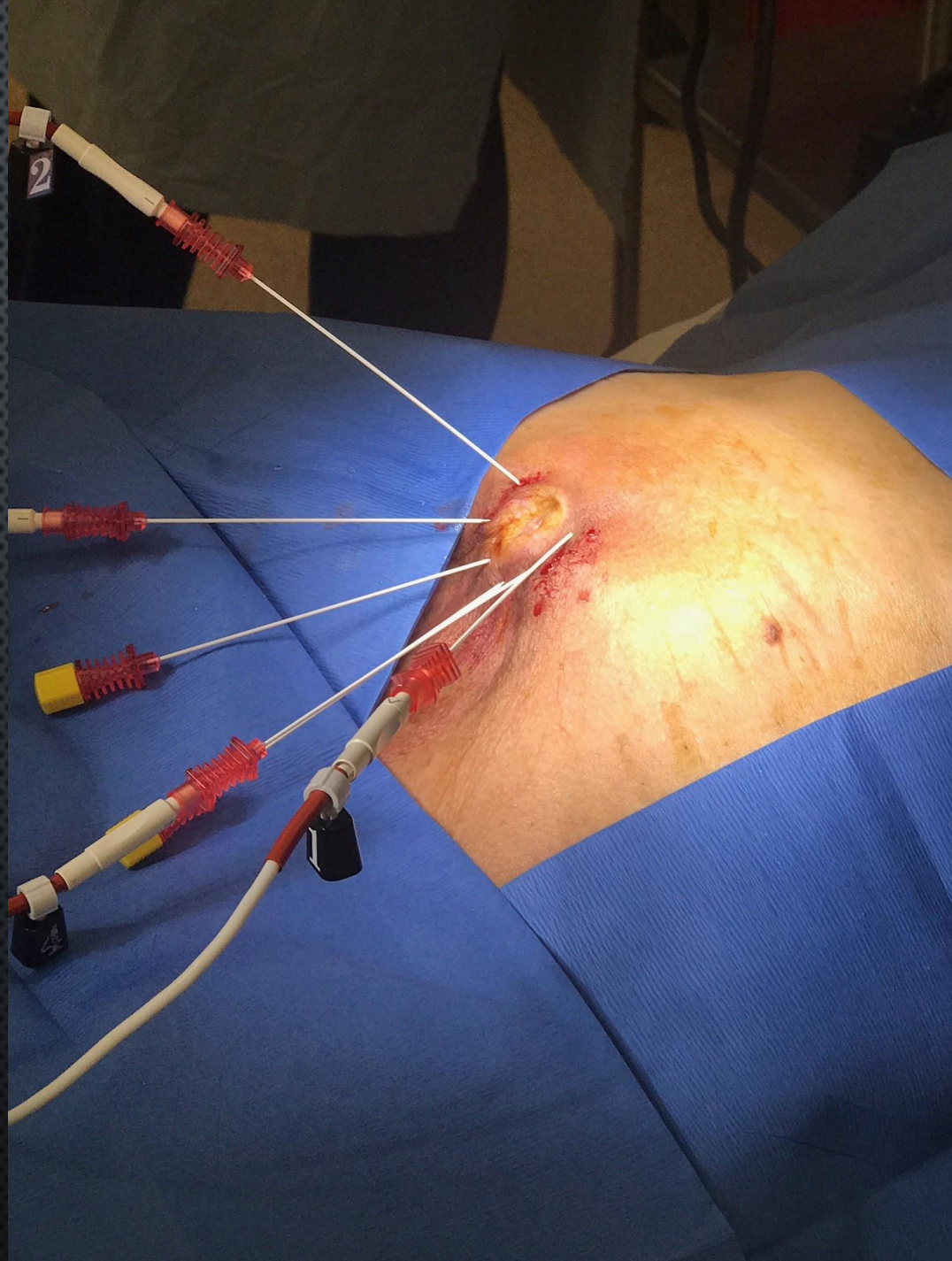
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