# On the Tip of the Tongue: Anesthetic Dilemmas for C-Section with Metastatic Cancer

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# Patient Presentation

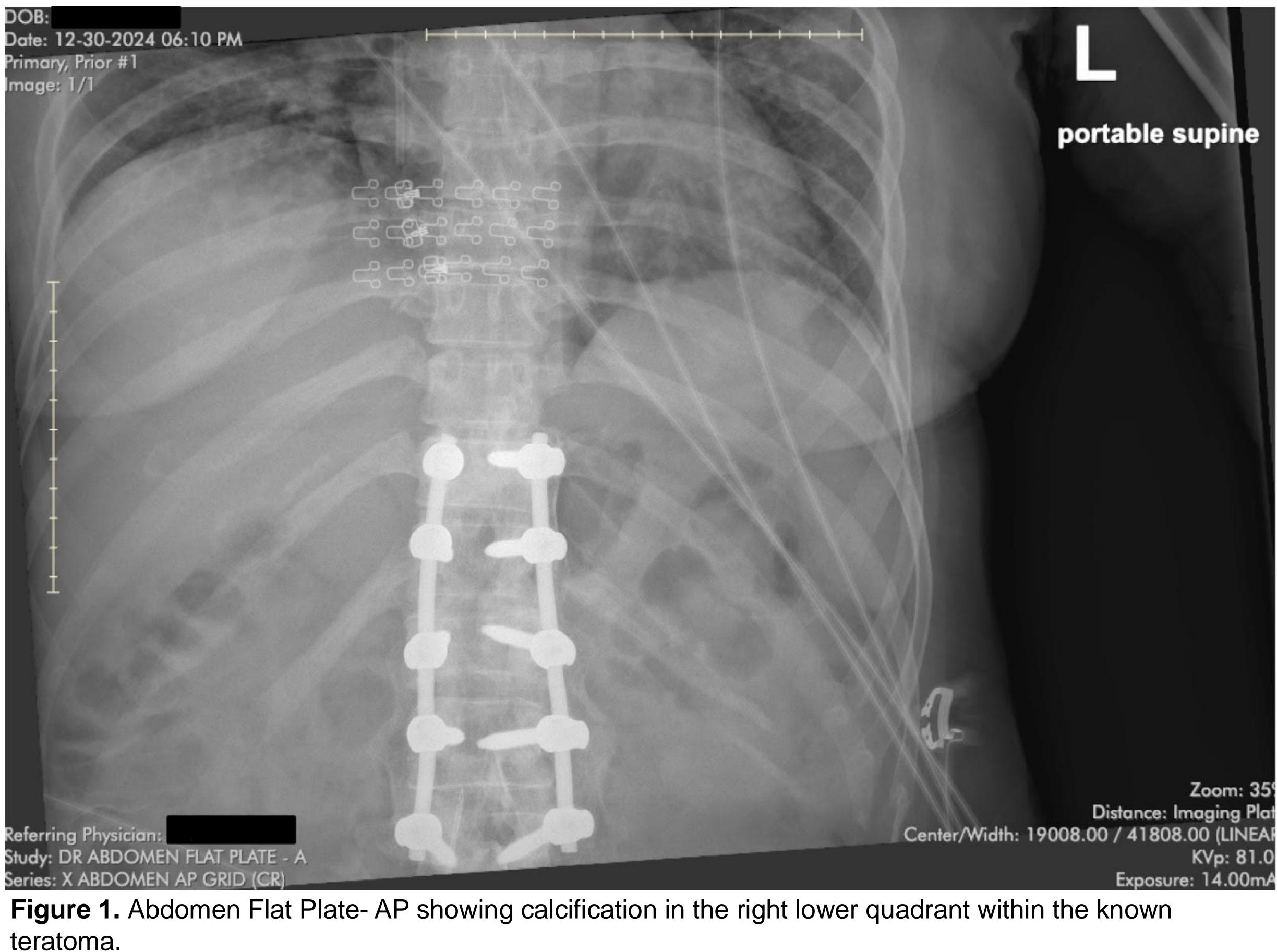
- PMHx: Initial dx in 2018, partial glossectomy, dissection, and radiation; recurrence in 2023.
- SHx: Prior C/S, spinal fusion (T11-L3), laminectomy L1/L2
- SH: Former smoker ~2 years, former vaper

### **ED Findings:**

Vitals: WNL, BP: 142/86 Calcium: 12.1 mg/dL, recheck 11.3 mg/dL Calcium Ionized: 1.53 mmol/L, recheck 1.56 mmol/L Vitamin D 1,25 Dihydroxy: 124 pg/mL **PTH:** <6.0pg/mL

PTHrP: 7.6 pmol/L

## 30 y.o. G2P1 at 35.3 with Stage IV SCC presents to the ED for hypercalcemia per oncologist's recommendation

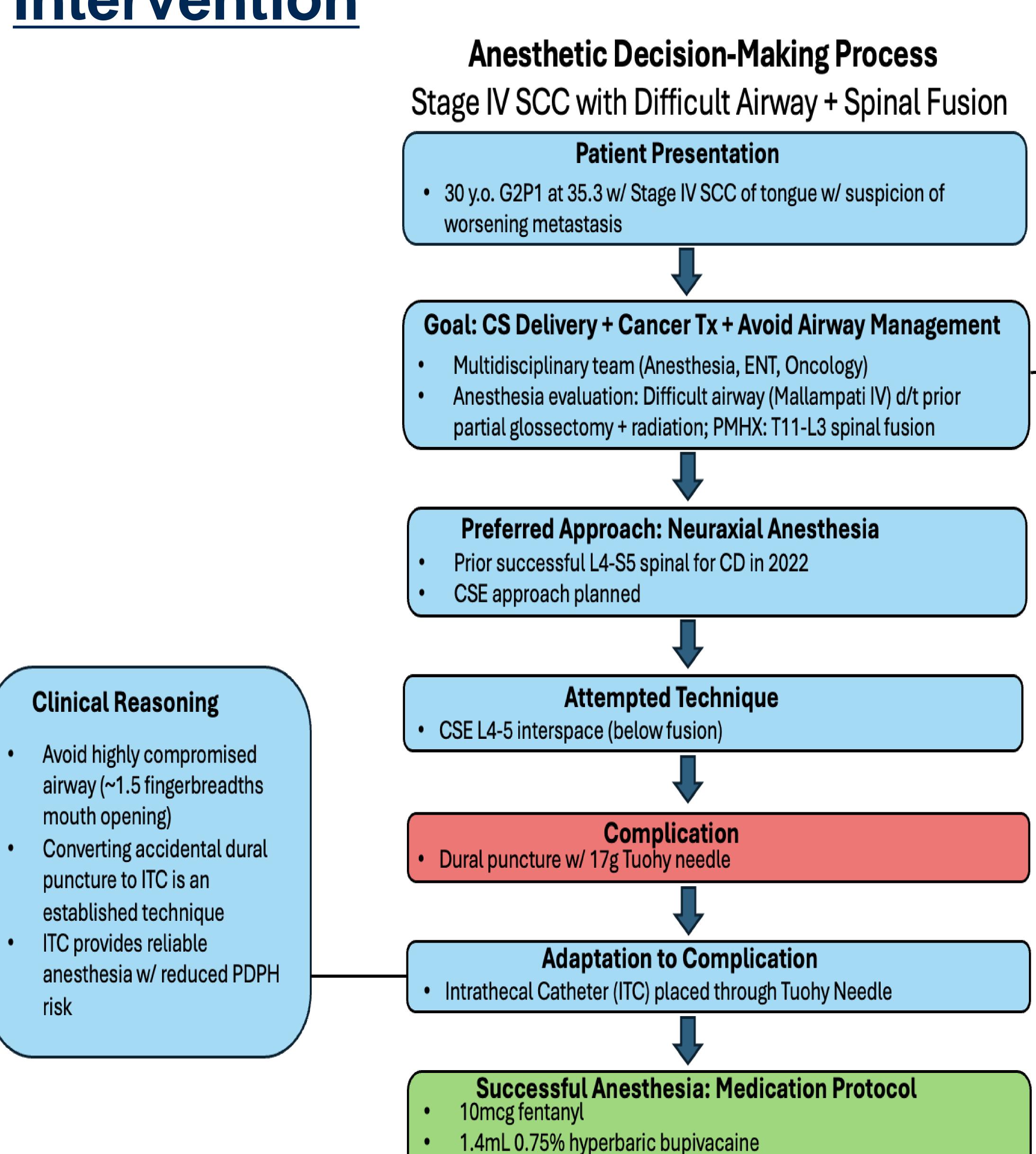




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# Intervention

- 150 mcg morphine PF





### Last Resort: **General Anesthesia** Critical risks: difficult/ failed

intubation

- needed

- anesthesia

## Combined spinal-epidural (CSE) at L4-L5 to allow epidural dosing if

Limited airway access made intubation a high-risk backup plan

Procedure was complicated by an unintentional dural puncture, likely due to post-surgical spinal changes An intrathecal catheter was threaded and dosed incrementally for surgical

The patient tolerated the procedure well with no complications or postdural puncture headache

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# Discussion

# prolonged [1].



Study: MRI BRAIN WITH AND WITHOU eries: +AX T1 3D MPRAGE (MR)

**Figure 2.** MRI without contrast showing multiple enhancing nodules within the brain highly suspicious for intracranial metastatic disease.

managing dural puncture [2].

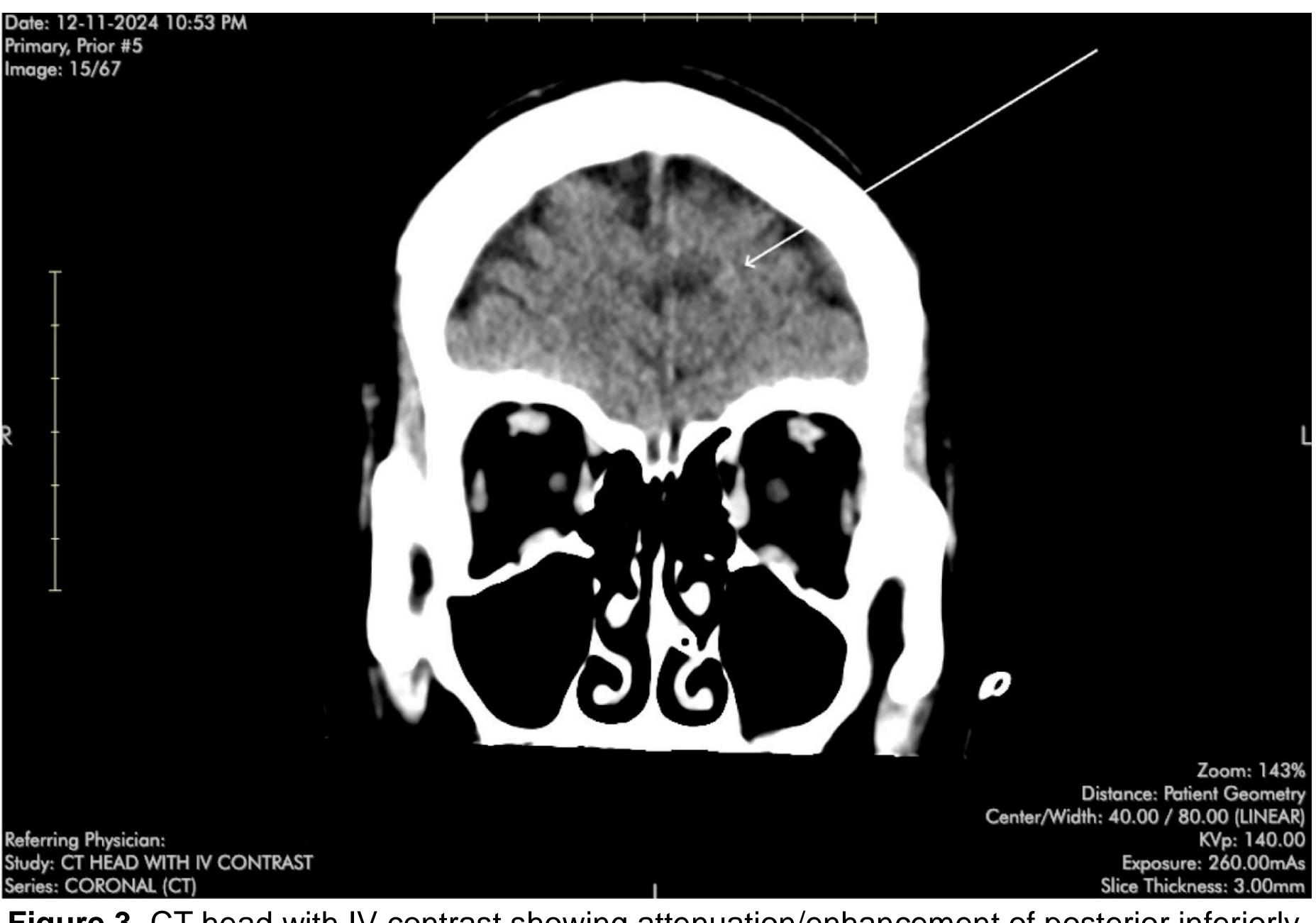
Slice Thickness: 1.00mm

References 1. Griffiths SK, Russell R, Broom MA, et al. Intrathecal catheter placement after dural puncture in obstetrics: guidelines. Anaesthesia. 2024;79(12):1348-68. doi:10.1111/anae.16434. 2. Ahsan T, Wang AY, Karimi H, et al. Safety and efficacy of spinal anesthesia in comorbid patients. World Neurosurg. 2023;177:e110-7. doi:10.1016/j.wneu.2023.05.116.



# Tongue SCC can restrict safe airway access, limiting anesthesia options for cesarean delivery Sx + disease progression could have led to more complications had ITC been unsuccessful Intrathecal catheter provides reliable anesthesia in patients with spinal complications • Allows precise titration to prevent excessive block height and redosing if surgery was

# Studies suggest that scar tissue may prolong placement but does not increase difficulty in



**Referring Physician:** 

**Figure 3.** CT head with IV contrast showing attenuation/enhancement of posterior inferiorly in the insula on the right with adjacent edema.

Questions?







# Contact Information



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