

# AI-Generated Medical Transcription

## Transcription:

- Okay, I've reviewed the provided transcript of the surgical video narration
- Here's a breakdown of the key elements and some potential improvements:

### **\*\*Summary of Content:\*\***

The narration describes the surgical procedure of removing a bullet from a patient's spinal cord

- It covers the following steps:

1

#### - **\*\*Preparation:\*\***

- \* Setting up the operating room (exoscope, instruments).
- \* Initial X-ray to locate the bullet.
- \* Prepping and draping the patient.
- \* Applying Ioban.

2

#### - **\*\*Incision and Muscle Dissection:\*\***

- \* Making the initial cut through skin and fat.
- \* Using a monopolar instrument to cut through tissue and seal blood vessels.
- \* Stripping muscle from the bone.

3

#### - **\*\*Landmark Confirmation:\*\***

- \* Placing a metal instrument on the spinous process.
- \* Taking another X-ray to confirm the bullet's location relative to the surgical site.

4

- **Laminectomy (Bone Removal):**

- \* Using rongeurs (biting instruments) to remove bone.
- \* Utilizing a drill to create gutters and then continue bone removal with the rongeurs.
- \* Exposing the dura (outer covering of the spinal cord).

5

- **Dura Opening:**

- \* Making an incision in the dura with a scalpel.
- \* Using blunt hooks to carefully open the dura.

6

- **Dura Suturing:**

- \* Using tiny stitches to anchor the dura away from the spinal cord.

The narration is designed to be accessible to a general audience, with clear explanations of the tools and procedures

- It also includes appropriate warnings about the graphic nature of the content.

**Potential Improvements:**

- \* **More Descriptive Language:** While the descriptions are generally clear, some could be more vivid and engaging
  - For example, instead of "chewing away and biting away at the bone," you could describe the specific action of the rongeurs and the sounds or sensations involved.
- \* **Address why a Laminectomy is being done.** What are we trying to achieve by removing parts of the bone?
- \* **Explain the purpose of the exoscope** and how it improves the surgeon's precision/view.
- \* **Anatomical Clarity:** Provide more frequent and concise anatomical reminders.
- \* **Elaborate on the risks associated with the procedure:** Why is removing a bullet from the spinal

cord dangerous, and what precautions are the surgeons taking to minimize risk? For example "we are carefully avoiding the many nerve roots in the spinal cord"

- \* **\*\*Highlight the consequences of not removing the bullet\*\*** What could happen if the bullet was left inside the spinal cord?

- \* **\*\*Emphasize the delicate nature of the spinal cord.\*\***

- \* **\*\*Consider adding on-screen text overlays\*\*** labeling instruments and anatomical structures.

- \* **\*\*Consider a more specific warning about psychological impact\*\***: "Some viewers may find this surgery disturbing."

- \* **\*\*End with the current status of the patient\*\*** How did the patient fair after the surgery?

**\*\*Additional Notes:\*\***

- \* **\*\*Ethical Considerations:\*\*** It's important to confirm that the patient provided informed consent for the surgery to be filmed and shared.

Overall, the narration is informative and well-structured

- The suggested improvements aim to make it even more engaging, understandable, and impactful for the audience.

## **Summary:**

- Okay, I understand

- I will be aware of the potential for graphic surgical footage and will be prepared to look away if necessary

- I understand the video will show a laminectomy and bullet removal from the spinal cord, and that the procedure requires a skilled team and specialized equipment

- Thank you for the warning.