# **Lumbar Laminotomy +/- Microdiscectomy**

# **CONSENT**

This document outlines the risks and potential complication rates associated with **lumbar Laminotomy +/- Microdiscectomy**.

- **Any complication:** 10–16% overall, with higher rates in elderly or those with comorbidities.[1][2][3]

- **Dural tear (incidental durotomy):** 3% (range 2–9%).[1][2][4][5]

- **Wound complications (infection, dehiscence, seroma):** 1–2.1%.[1][2][4]

- **Hematoma/hemorrhage:** 0.5–1.2%.[1][2]

- **New or worsening neurological deficit:** 1–3%.[1][4][5]

- **Direct nerve root injury:** 1–2.6%.[1][4]

- **Cerebrospinal fluid leak:** 2.2%.[2]

- **Urinary retention or micturition problems:** up to 5% (usually transient).[5]

- **Recurrent disc herniation:** 4.4–6.9%.[1][2][5][6]

- **Reoperation (within 2 years):** 4.3–7.1% for microdiscectomy, with 5.5% requiring revision microdiscectomy and 6.6% requiring fusion within 2 years.[1][2][6]

- **Readmission (within 90 days):** 2.4%.[7]

- **Deep infection:** 0.37%.[2]

- **Wrong level surgery:** 0.74%.[2]

- **Death:** 0.06% (0.6 per 1000 procedures).[4]

- **Thromboembolism (DVT/PE):** 0.047–0.138%.[4]

The American Society of Pain and Neuroscience guideline emphasizes that approximately 10% of patients undergoing microdiscectomy will experience reherniation, and up to 20% may require revision surgery. Complication and mortality rates increase with age and comorbidities.[5] Minimally invasive and endoscopic techniques may reduce infection risk and blood loss, but have similar or slightly higher rates of dural tear and reherniation compared to open procedures.[1][2][3][5][8]

**Patient Acknowledgment:** By signing below, the patient acknowledges understanding of the above risks, their estimated incidence, and the potential for both common and rare complications associated with Lumbar Laminotomy +/- Microdiscectomy. All questions have been answered to the patient's satisfaction.

**Patient Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_**

**Patient Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DOB:\_\_\_\_\_\_\_\_\_**

# **References**

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