



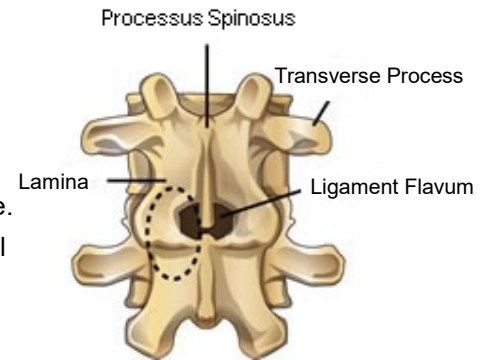
Procedure Information Sheet

Introduction

Laminectomy is a surgery to remove the posterior arch of the vertebral bone (Lamina) lying between the spinous process (which juts out in the middle) and the more lateral pedicles and the transverse processes of each vertebra. It can take pressure off of the spinal nerves or spinal cord.

Indication

1. Spinal cord or spinal nerve decompression, spinal fracture.
2. Spinal stenosis, spinal malformation.
3. Congenital spinal deformity, posterior vertebral body osteophytes.
4. Miscellaneous conditions causing spinal cord or spinal nerve damage.
5. Degenerative conditions causing compression of spinal cord or spinal nerves, cervical spine disease, intervertebral disc prolapse.
6. Spinal tumour.



The Operation / Procedure

1. Operation is done under general anesthesia.
2. The skin incision is usually on the back of the body and removal the prolapsed intervertebral disc.
3. Surgery is performed depending on individual patient.
4. Drain(s) for removal of fluid might be inserted depending on necessity.
5. Wound is closed with sutures.

Before the Operation / Procedure

1. A written consent is required.
2. Keep fast 6 – 8 hours before operation.
3. Inform your doctors about drug allergy, your regular medications or other medical conditions.
4. Optimization of pre-existing medical conditions, e.g. heart disease, hypertension, diabetes mellitus, anaemia, asthma, etc.
5. Blood tests, ECG and X-rays of the appropriate regions before operation.

After the Operation / Procedure

1. Usually diet is not allowed on the day after surgery. Intravenous fluid replacement may be necessary. Normal diet would be gradually resumed according to the post-operative progress assessed by doctor.
2. Analgesics will be prescribed for better pain control and facilitates rehabilitation.
3. Bed rest and turning of body must need assist by nurse are usually allowed according to doctor order but should not bend the back after surgery and gradually increase activity according to the progress.
4. Deep breathing and lower limb exercise are encouraged.
5. Passing stool and urine will be arranged in bed in the lying position.
6. Sit out with corset and walking exercise will be started according to the progress.
7. Keep wound dressing dry and clean.
8. Drain(s) for removal of fluid might be inserted depending on necessity.

<p>Patient's Label Patient Name: _____ Hospital No: _____ Episode No: _____</p>



Risk and Complication

1. Complications of general anesthesia (<0.01% but may be fatal)
 - 1.1 Cardiovascular complications: acute myocardial infraction, cerebrovascular accidents, deep vein thrombosis, pulmonary embolism etc.
 - 1.2 Respiratory complications: atelectasis, pneumonia, asthmatic attack, exacerbation of chronic obstructive airways disease etc.
 - 1.3 Allergic reaction and anaphylactic shock.
2. Operation related complications
 - 2.1 Injury to the dura causing cerebrospinal fluid leakage or meningitis.
 - 2.2 Wound bleeding, haematoma formation and wound infection.
 - 2.3 Problems in wound healing or persistent pain.
 - 2.4 Deterioration of pre-existing medical problems, e.g. heart disease and stroke etc.
 - 2.5 Recurrence or deterioration of the original spine condition.
 - 2.6 Injury to the aorta or vena cava causing torrential bleeding and may be fatal.
 - 2.7 Injury to the spinal nerves causing neurological damage and lower limb weakness. In extreme case may affect the artery or venous, then lead to be foot drop, paraplegia, double incontinence and death.

Disclaimer

This leaflet only provides general information pertaining to this operation / procedure. While common risks and complications are described, the list is not exhaustive, and the degree of risk could also vary between patients. Please contact your doctor for detailed information and specific enquiry.

Reference

Levin, K., Aminoff, M. J. et al (2018). Lumbar spinal stenosis: Treatment and prognosis. UpToDate.

Retrieved on 8/6/2020 from

https://www.uptodate.com/contents/lumbar-spinal-stenosis-treatment-and-prognosis?search=laminectomy&source=search_result&selectedTitle=1~37&usage_type=default&display_rank=1

Patient's Label

Patient Name: _____

Hospital No: _____

Episode No: _____

Patient's Signature: _____ Date: _____