

Mecta-C STAND ALONE
ANTERIOR CERVICAL INTERBODY FUSION DEVICE



Brain and Spine Surgery Queensland

Improve your quality of life with the

ANTERIOR CERVICAL DISCECTOMY AND FUSION

DR GERT TOLLESSON

Neurosurgeon | Neck | Spine

www.bssq.com.au



Suffering from Neck or Arm Pain?

Complications in your cervical spine may be the cause of pain, numbness, and/or tingling in your neck or arms. If these symptoms limit your daily activities, affect your mood, your health and your general well-being...

You're certainly not alone!

Has your doctor recommended an Anterior Cervical Spinal Fusion?

There are a number of surgical and non-surgical solutions available to treat your disease. Depending on your condition, your doctor may suggest that you undergo a cervical spinal fusion, which is a surgical procedure that joins two bones together.

The Medacta Mecta®-C Stand Alone System may be your solution!

Mecta-C Stand Alone System is specifically designed to provide your surgeon with multiple surgical options for correcting your spine. It offers 4 different fixation devices, in order to accommodate the patient-specific anatomical requirements.



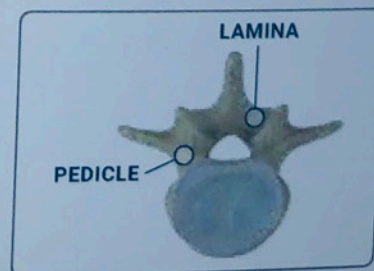
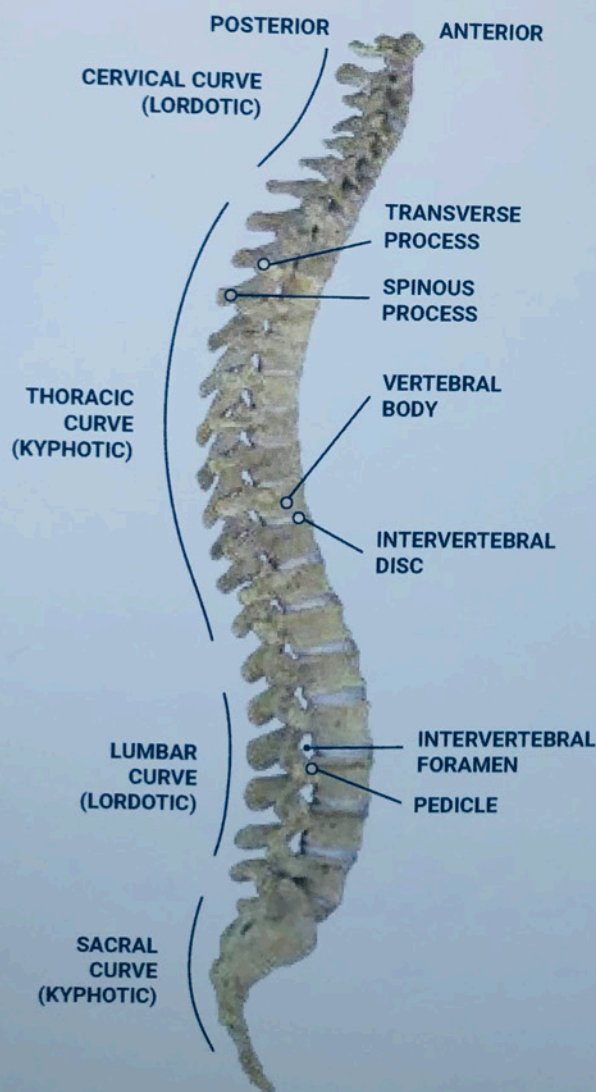
Spine Anatomy

The spine is one of the most important structures in the human body. It supports the majority of the body's weight, provides points of attachment for muscles and ligaments, and protects the **spinal cord**.

The spine is made up of individual **vertebrae** and is divided into four major regions: the **cervical curve**, the **thoracic curve**, the **lumbar curve**, and the **sacrum/coccyx**.

Discs are located between the vertebrae and act as shock absorbers to protect the vertebrae and allow spinal rotation and bending. Each disc consists of two parts:

- **Annulus fibrosus**, a tough outer fibrous ring
- **Nucleus pulposus**, a soft gelatinous center

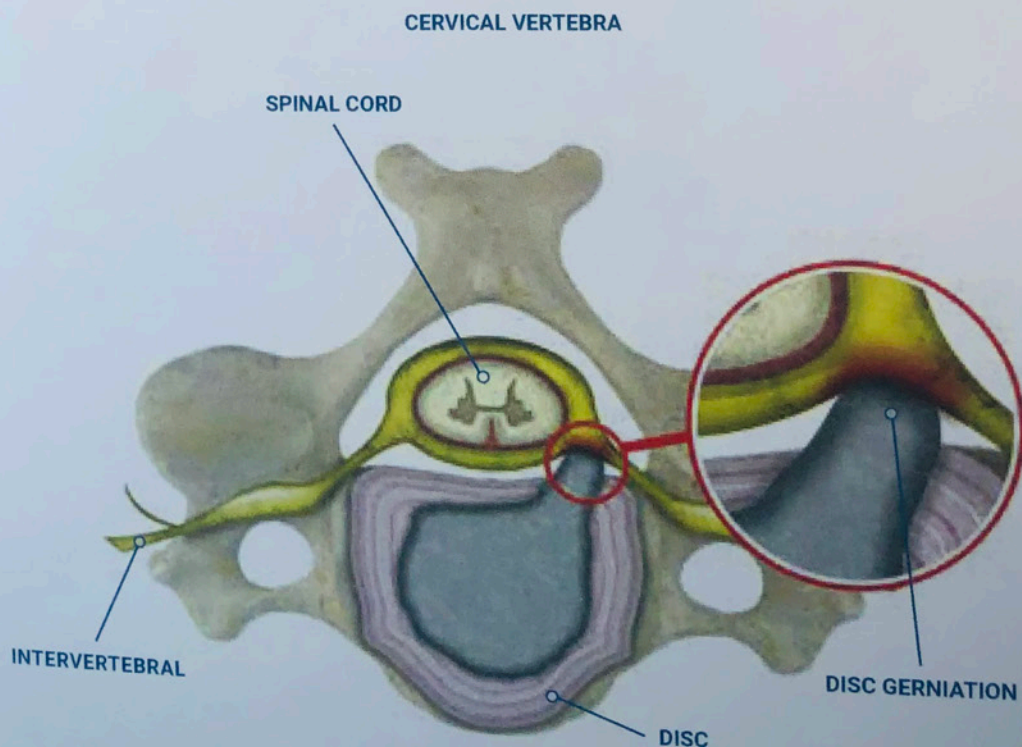


What is Cervical Disc Degeneration?

Degenerative changes in your cervical spine may cause you instability and pain in your neck. **Degenerative disc disease** (DDD) involves the degeneration of your intervertebral discs as you age which can cause your discs to lose elasticity, flexibility, and height. This may happen gradually, simply from everyday normal wear, or from a prior neck injury.

When this happens, your discs lose their shock absorbing abilities, which can lead to abnormal motion or misalignment of your cervical spine and compression on your spinal cord or nerve roots. **Symptoms** of degenerative disc disease may include neck pain, stiffness, pain that radiates to the back of the shoulder or arm, numbness and tingling in your arms and hands, or weakness in these areas. Any of these symptoms may limit activities in your daily life and affect your general well-being.

If conservative measures to control your pain, inflammation and disability are not effective, your doctor may suggest that you undergo a cervical spinal fusion called **Anterior Cervical Discectomy and Fusion**. This procedure can be tailored specifically to your spinal anatomy, the severity of your disease, and your overall medical condition.



What is an Anterior Cervical Discectomy and Fusion (ACDF)?

An Anterior Cervical Discectomy and Fusion (ACDF) surgery is a procedure that is performed to treat disc degeneration and to relieve pressure on nerve roots or on the spinal cord. During an ACDF the surgeon removes the deteriorated disc and replaces it with a plate, spacer and screw construct in order to stabilize your spine and restore normal alignment.

Your surgeon will operate from the front of your spine to remove the damaged disc(s) (discectomy) and to replace it/them with an implant called a "**cage**" which aims at restoring the disc height and allows for bone to grow between your vertebrae. This is called fusion.

The cage is matched with a **modular plate**, selected among different designs. **Multiple screws** are inserted through the holes of the plate into the vertebral body to fix the construct.



Why an Anterior Cervical Discectomy and Fusion?

Mecta-C Stand Alone is a surgical solution specifically designed to provide multiple fixation options for patients undergoing anterior cervical discectomy and fusion surgery.

The benefits of a successful Stand Alone Fusion involving the Mecta-C System potentially include:

- Correct **realignment of your spine and vertebrae**
- **Minimally invasive approach** through a small incision
- **Reduction in pain, recovery of mobility, and improvement in your quality of life**
- **Short hospital stay and fast recovery**



DR GERT TOLLESSON

Neurosurgeon | FRACS

Dr Tolleson is a Brisbane based, European and Australian trained Neurosurgeon, who specialises in brain and spinal surgery for adults and children.

Dr Gert Tolleson is a senior, experienced neurosurgeon with specialist qualifications from Sweden, Norway and Australia. He is experienced in performing a wide range of adult and paediatric intracranial and spinal procedures utilising advanced micro-surgical techniques and state of the art technology.

He consults and operates across Brisbane Greenslopes Private Hospital, Brisbane Private Hospital and Queensland Children's Hospital

Dr Tolleson gained his specialist neurosurgical registration in Sweden and Norway in 2003 before coming out to Australia as a consultant Neurosurgeon in September 2006. In 2007 he became a Fellow of the Royal Australasian College of Surgeons (FRACS).

Dr Tolleson has studied and trained worldwide, with international clinical experience through a number of elite European hospitals. His achievements in general surgery, orthopaedics, sports medicine, paediatrics and neurosurgery have allowed him to access world-class facilities and learn from world-renowned medical professionals. He is passionate to learn and incorporate the latest advances in research and technology to achieve the best results for patients.



NECK / CERVICAL SPINE

- Neck & Arm Pain / Cervical Radiculopathy
- Spinal Cord Compression / Cervical Myelopathy
- Cervical Spinal Tumours
- Cervical Spine / Neck Surgery
- Anterior Cervical Discectomy & Fusion (ACDF)
- Disc Arthroplasty / Artificial Cervical Disc
- Cervical Laminectomy / Discectomy
- Corpectomy

THORACIC & LUMBAR SPINE

- Thoracic & Lumbar Spinal Tumours
- Spinal Arteriovenous Malformations (AVMs & AVFs)
- Instrumented Fusion Surgery / PLIF / TLIF / ALIF
- Disc Arthroplasty Lumbar
- Laminectomy / Discectomy
- Minimally Invasive Spine Surgery

CONTACT:

Dr Tolleson's private rooms can be contacted between 8.30 am and 4.30 pm
Monday to Friday on:

T: (07) 3067 6285

E: admin@bssq.com.au

CONSULTING ROOMS:

Watkins Medical Centre
Level 10
225 Wickham Terrace
Spring Hill Queensland



Brain and Spine Surgery Queensland

Patient Details (Name, Address, DOB, Medicare number)

Date:

4 Oct 2023

Miss Loren DOWNING

Our Reference: GEN12760_9070
Medicare Num: 2519172477-1

21/02/1981

BUPA

66979717

Mob: 0419606813

Home:

28 Park Road West
HIGHGATE HILL QLD 4101

Diagnostic Request

1) X-ray C-spine - MR-LAS Fluor C-spine -
2) CT C-spine

Reason for referral and clinical history

Left sided cervical osteoarthritis
Duchenne's

Follow-up appointment with Referring Doctor:

Dr Gert A Tolleson Provider Num: 282575EB

Request Print Date: 04/10/2023

Dr Gert Tolleson

Level 10 Watkins Medical Centre 225 Wickham Terrace

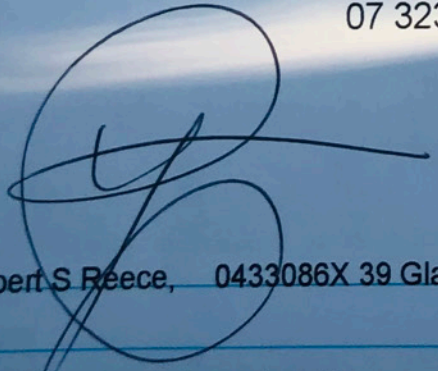
Spring Hill QLD 4000

Ph: 07 3870 3708

07 3236 9555

Practitioner's Name:

Address:



Signature: Dr Albert S Reece, 0433086X 39 Gladstone Road, Highgate Hill 4101

Copy to:

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Pregnant
Front Office Check
Patient Identification verified
Procedure and consent verified
Correct side and site verified
Film preference verified
Correct patient data and side
Tech initials:
Team leader signature:

Referring Practitioner's Details