



Article published on February 3rd 2012 | [Fitness](#)

It functions well with an artificial cervical disc inserted between the two cervical vertebrae after surgically removing one decompressing the spinal cord at the nerve root. This is a development done in conceptual lumbar fusion or surgery with a purpose of preserving motion and movement in the disc space. This is another practical alternative to painful bon-grafting, plating, or adding screws in chase of a fusion in the dis. It eliminates the motion at the operated disc space in the neck. Cervical al fusion or lumbar fusion used the alternative methodology of cervical disc replacement surgery on patients who have till then not responded to non-surgical treatment, which has already severely affected their quality of life by preventing them from moving around or functioning freely.

That is the stage actually also, which calls for employing surgical treatment or methods, when one finds his/her movement barred without the tactic of surgical engagement. Cervical fusion attained through an artificial disc replacement surgery is a painful and tedious procedure. An artificial disc surgery may be done instead of an anterior cervical fusion. However it also allows many advantages theoretically; the popular oneâ€™s of which promise and assure:

â€¢ Normal motion of neck and other parts

â€¢ Reducing degeneration of adjacent segments

â€¢ Prevention and safety of cervical spine

â€¢ Postoperative motion of neck

â€¢ Quicker return time to normalcy

â€¢ Free movement without braces or support

During cervical fusion, neck braces are not needed while disc replacement surgery. However, a number of technologies are undergoing sharp scrutiny and close examination to discover & evaluate the safety and efficacy of these clinical procedures. A number of artificial disc replacement technologies have to stand this test of time to prove their utility and proficiency in a normal human beingâ€™s life. It is interesting to know that the first artificial disc replacement while cervical fusion can be traced back to early 90â€™s in England.

Role of Cervical Fusion in a common manâ€™s life:

Almost eight on ten experiences a neck, shoulder, arm or back pain during their lifetime due to certain abnormality or the other. If there is stiff pain or really hurtful prolonged pain, then these could be symptoms of disc degeneration that can call for a lumbar fusion therapy. You also need to know that this is the last of the alternatives, when medication refuse or help of is unable to play any part in bettering the situation. People in the medical fraternity also understand this situation as arthritis of the back! Thus cervical fusion is a cure for degenerative disc diseases, when the disc has either become frayed, compressed, or herniates into the spinal canal where it is faultily pressing nerves or spinal cord.

All patients do not require a surgery. For quite some time everyone, even the medical team wants people to recover through non-surgical treatments. These treatments may vary from normal pain-killers to inflammatory medications, coupled with physical therapy, physiotherapy, cold/heat therapy

etc. If all of it fails, then when one resorts to artificial disc replacement & cervical fusion.

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Article Keywords:

Cervical Fusion, Lumbar Fusion, Artificial Disk replacement

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