

2022: 37th Annual Meeting of CSRS Europe Barcelona, Spain

15 Jun 2022 - 17 Jun 2022

Title of presentation : Surgical management of cervical disc herniation

Authors : Pr A. R. Ayoun

Affiliation/Country : Neurosurgery Departement - CHU ORAN – ALGERIA

Corresponding author : Pr A. R. Ayoun

E-mail : dayr2002@gmail.com

Abstract

Oral presentation with Video

Introduction

Surgical treatment of cervical disc herniation is proposed in case of failure of medical treatment and lifestyle, it consists of anterior cervical discectomy with disc replacement.

Although anterior fusion discectomy continues to be one of the most popular procedures in neurosurgical practice, the short-term concerns with this procedure are: segmental loss of motion and the potential risk for the development of the adjacent segment disease.

Materials - Methods :

For a period of 3 years, from January 1, 2016 to December 31, 2021, we surgically treated 122 patients with cervical disc herniation.

This is a retrospective, single-center, open-label descriptive study of patients who had undergone discectomy with anterior cervical fusion.

We used a single surgical technique, which is anterior cervical discectomy and fusion with beaching of an intersomatic cage.

Results:

We noted a clear male predominance (60%) and a peak age between 30 and 50 years.

49% of our patients had a root pain.

In 25% of cases, patients had spinal compression syndrome.

Regarding the approach, all our patients benefited from the anterior route, in 93% of the cases, a single-stage discectomy was performed, in 07% two floors were treated.

A favorable evolution was observed in 93% of our patients.

We did not register any deaths

Discussion

Symptomatic adjacent-segment disease (ASD) has been reported at a rate of 2.9% per year after ACDF.

2022: 37th Annual Meeting of CSRS Europe Barcelona, Spain

15 Jun 2022 - 17 Jun 2022

In addition, 25% of patients reported symptoms caused by ASD 10 years after ACDF. This onset of ASD may cause symptoms requiring reoperation.

Conclusion :

The herniated disc is the most common cause of medullary and / or root compressions on the cervical level.

ACDF remains the most used technique, but also the most affordable, however cervical arthroplasty has shown a slight superiority for some patients and for several floors, the only drawback is its excessive price.

Iconography :

