Signus

SIGNUS Medizintechnik GmbH

SIGNUS Medizintechnik GmbH Industriestraße 2 Tel.: + 004960239166117 63755 Alzenau j.staab@signus.com Germany www.signus.com

SIGNUS Medizintechnik GmbH has been developing products and services for the treatment of spinal disorders since 1994 - for optimal patient mobility in everyday situations. Due to our many years of experience and extensive expertise, we fully understand the needs of medical experts and patients and can turn new requirements into reliable products quickly and to the highest standards of quality. Our goal is to offer a full range of products for the spine that support neurosurgeons and orthopedic specialists when performing spinal surgery

1/1

Between November 2008 and July 2016, 16 patients with prior implantation underwent removal of the Galileo-type disc prosthesis (Signus, Medizintechnik, Germany) due to a call back by industry. In 10 patients C-ADR was replaced with an alternative prosthesis, 6 patients received an ACDF. Duration of surgery, time to revision, surgical procedure, complication rate, neurological status, histological findings and outcome were examined in two institutions.

The C-ADR was successfully revised in all patients. Surgery was performed through the same anterior approach as the initial access. Duration of the procedure varied between 43 and 80min. Access-related complications included irritation of the recurrent nerve in one patient and mal-positioning of the C-ADR in another patient. Follow up revealed two patients with permanent mild/moderate neurologic deficits, NDI (neck disability index) ranged between 10 and 42%.

Anterior exposure of the cervical spine for explantation and revision of C-ADR performed through the initial approach has an overall complication rate of 18.75%. Replacements of the Galileo-type disc prosthesis with an alternative prosthesis or conversion to ACDF are both suitable surgical options without significant difference in outcome ¹.

1)

Onken J, Reinke A, Radke J, Finger T, Bayerl S, Vajkoczy P, Meyer B. Revision surgery for cervical artificial disc: Surgical technique and clinical results. Clin Neurol Neurosurg. 2016 Oct 31;152:39-44. doi: 10.1016/j.clineuro.2016.10.021. [Epub ahead of print] PubMed PMID: 27888676.

From: https://neurosurgerywiki.com/wiki/ - **Neurosurgery Wiki**

Permanent link: https://neurosurgerywiki.com/wiki/doku.php?id=signus

Last update: 2024/06/07 03:00

