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1 **RADIOLOGICAL FOLLOW-UP AFTER IMPLANTING CERVICAL DISC**
2 **PROSTHESIS IN ANTERIOR DISCECTOMY: A SYSTEMATIC REVIEW**

3

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19

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21

22 **Abstract**

23

24 *Objective*

25 The objective of this study was to review current literature on comparison of
26 radiological outcome of cervical arthroplasty with fusion after anterior discectomy for
27 radiculopathy.

28

29 *Methods*

30 A literature search was performed in PubMed, Embase, Web of Science,
31 COCHRANE, CENTRAL and CINAHL using a sensitive search string combination.
32 Studies were selected by predefined selection criteria (a.o. patients exclusively
33 suffering from cervical radiculopathy) and risk of bias was assessed using a validated
34 Cochrane Checklist adjusted for this purpose. Additionally, an overview of results of
35 articles published in 21 meta-analyses was added, considering a group of myelopathy
36 with or without radiculopathy patients.

37

38 *Results*

39 Seven articles were included that compared intervertebral devices in radiculopathy
40 patients (excluding myelopathy patients). Another 31 articles were studied as a mixed
41 group including patients with myelopathy and radiculopathy. Apart from three studies

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