

Bulbous corpuscle

The Bulbous corpuscle or Ruffini ending or Ruffini corpuscle is a slowly adapting mechanoreceptor located in the cutaneous tissue. More precisely, these detectors are located between the dermal papillos and the subcutaneous. It is named after Angelo Ruffini.

[Cervical spondylosis](#) is often accompanied by [dizziness](#). It has recently been shown that the ingrowth of Ruffini corpuscles into diseased cervical discs may be related to cervicogenic dizziness.

Of 145 patients with cervical spondylosis and dizziness, 116 underwent anterior cervical decompression and fusion and 29 underwent conservative treatment. All were followed up for one year. The primary outcomes were measures of the intensity and frequency of dizziness. Secondary outcomes were changes in the modified Japanese Orthopaedic Association (mJOA) score and a visual analogue scale score for neck pain.

There were significantly lower scores for the intensity and frequency of dizziness in the surgical group compared with the conservative group at different time points during the one-year follow-up period ($p = 0.001$). There was a significant improvement in mJOA scores in the surgical group.

This study indicates that anterior cervical surgery can relieve dizziness in patients with cervical spondylosis and that dizziness is an accompanying manifestation of cervical spondylosis ¹⁾.

¹⁾

Peng B, Yang L, Yang C, Pang X, Chen X, Wu Y. The effectiveness of anterior cervical decompression and fusion for the relief of dizziness in patients with cervical spondylosis: a multicentre prospective cohort study. Bone Joint J. 2018 Jan;100-B(1):81-87. doi: 10.1302/0301-620X.100B1.BJJ-2017-0650.R2. PubMed PMID: 29305455.

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