

DEPARTMENTS

Correction



In the article by Huisstede et al, Effectiveness of Surgical and Postsurgical Interventions for Carpal Tunnel Syndrome - A Systematic Review, published in the Archives of Physical Medicine and Rehabilitation 2018; 99 : 1660-1680 [https://www.archives-pmr.org/article/S0003-9993\(17\)30372-6/fulltext](https://www.archives-pmr.org/article/S0003-9993(17)30372-6/fulltext), the cited paper by Vanni et al, The double tunnels technique: an alternative minimally invasive approach for carpal tunnel syndrome published in J Neurosurg 2015;123:1230-7 was erroneously interpreted. This study compares two surgical procedures for carpal tunnel syndrome, the aforementioned double tunnels technique and a standard open decompression of the median nerve. The former technique was categorized as a double incision technique although it is actually a single incision technique. This misinterpretation was retrospectively caused by the use of the plural "incisions" in the description of the technique in this article.

As a result of this misinterpretation, in Huisstede et al, not three (Castello⁴³, Hamad⁴⁴, Vanni⁴⁸) but only two (Castello⁴³, Hamad⁴⁴) low-quality studies^{43,44} compared the effectiveness of a 2-incision technique with the standard open carpal tunnel release to treat CTS. The conclusions for the short- and midterm remain unchanged (conflicting evidence for effectiveness). However, in the two latter studies no long-term results were reported and no conclusion for the long-term can be drawn.

Vanni⁴⁸ (n=220, low quality) compared a single incision double tunnels technique to the standard open technique and found significant differences on pain and the Boston Questionnaire in favor of the single incision double tunnels technique, but only on the long-term. No significant differences were reported on the short-, and midterm. Therefore, limited evidence is found in favor of the single incision double tunnels technique on the long-term, but no evidence is found for the short- and midterm.

Update to Table 8 (Complete overview of evidence for effectiveness of surgical interventions for CTS)

Surgical treatment:

Various surgical techniques:

▶ 2-incision technique vs standard open technique

Short-term: ±

Midterm: ±

▶ Single incision double tunnels technique vs standard open technique

Short-term: NE

Midterm: NE

Long-term: +

NOTE. Different surgical techniques are as follows:

- *Single incision double tunnels technique*: an alternative minimally invasive approach with a single-skin transversal incision (6 (± 0.5) mm) distally to the proximal wrist crease.