

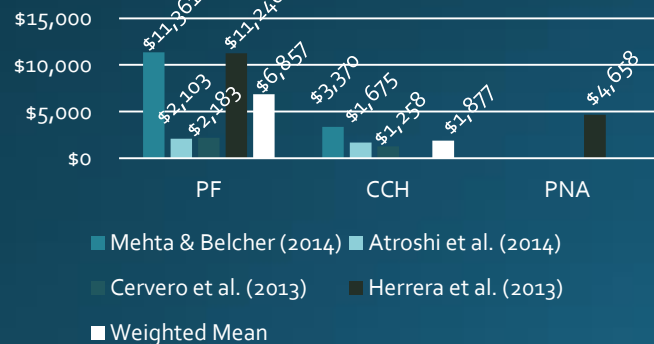
SYSTEMATIC REVIEW COMPARING COST ANALYSES OF FASCIECTOMY, NEEDLE APONEUROTOMY AND COLLAGENASE INJECTION FOR TREATMENT OF DUPUYTREN CONTRACTURE

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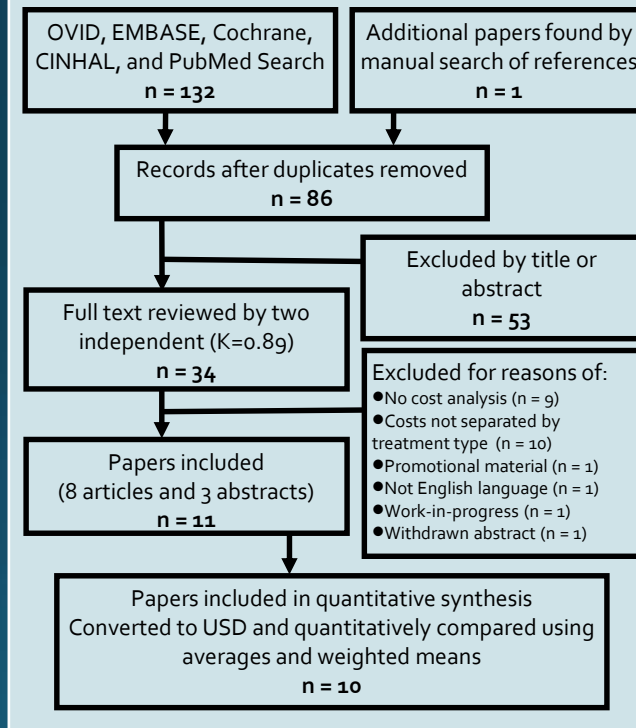
Objectives

- Variety of treatment options for Dupuytren contracture including
 - Traditional palmar fasciectomy (PF)
 - Percutaneous needle aponeurtomy (PNA)
 - Collagenase *Clostridium histolyticum* injection (CCH)
- Cost effectiveness, in addition to safety, is an important consideration in treatment selection

Figure 1: Weighted Mean Costs of Observational Studies



Methods



Results

- Overall 7 of 11 studies found CCH to be most cost effective
- Only 1 study of 11 found PF to be the most cost effective method (This was a conference abstract, so unclear if publication bias or methodological flaws present)
- 3 of 6 studies considering PNA found it to be the lowest cost

Conclusions

- Majority of studies found PF to be most costly, however it is still first line treatment for advanced or recurrent disease
- Difficult to compare CCH to PNA as many studies did not consider PNA
- For CCH to be cost effective, drug price will need to decrease
- More studies, especially considering indirect costs, are required to be able to determine which method is most cost effective

Figure 2: Average Costs of Minimization Analyses

