What are the effects on hand function for individuals having endocrine therapy for their cancer: A Scoping

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Introduction

Aromatase inhibitors (Als) are important in the treatment of hormone-receptor positive cancers. It is well documented that Als can cause musculoskeletal side effects which can affect the hands.1 2 However it is unclear how these side effects affect hand function. This paper aims to capture what functional hand outcome measures have been used to observe the effect Als have on hand function.



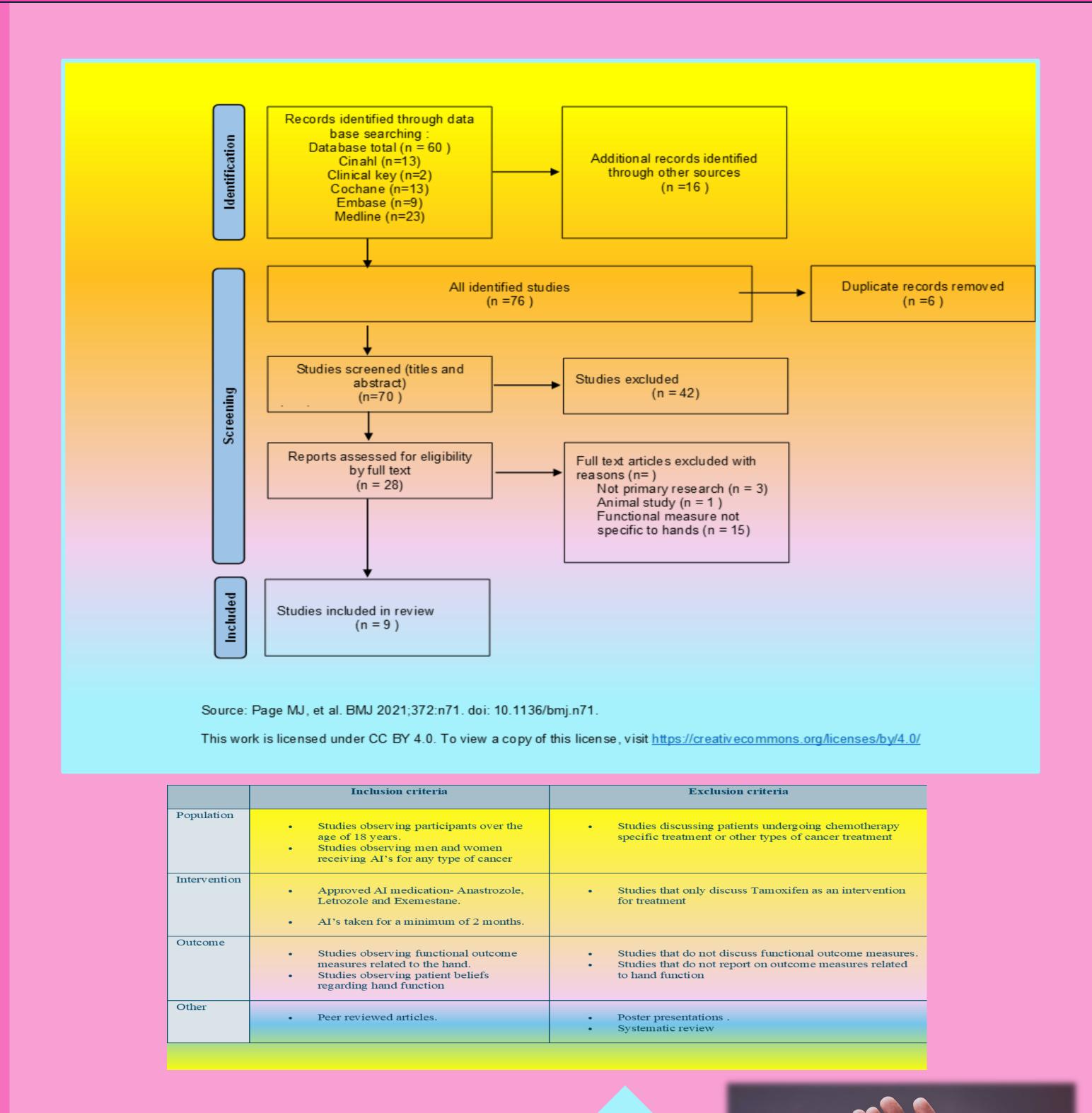
Objective

The objective of this scoping review is to identify which hand specific functional measures have been used to understand the effect Als have on hand function. It will also discuss whether the outcome measures are sufficient in representing how hand function is affected by utilising the International Classification of Functioning core sets for hand conditions.³



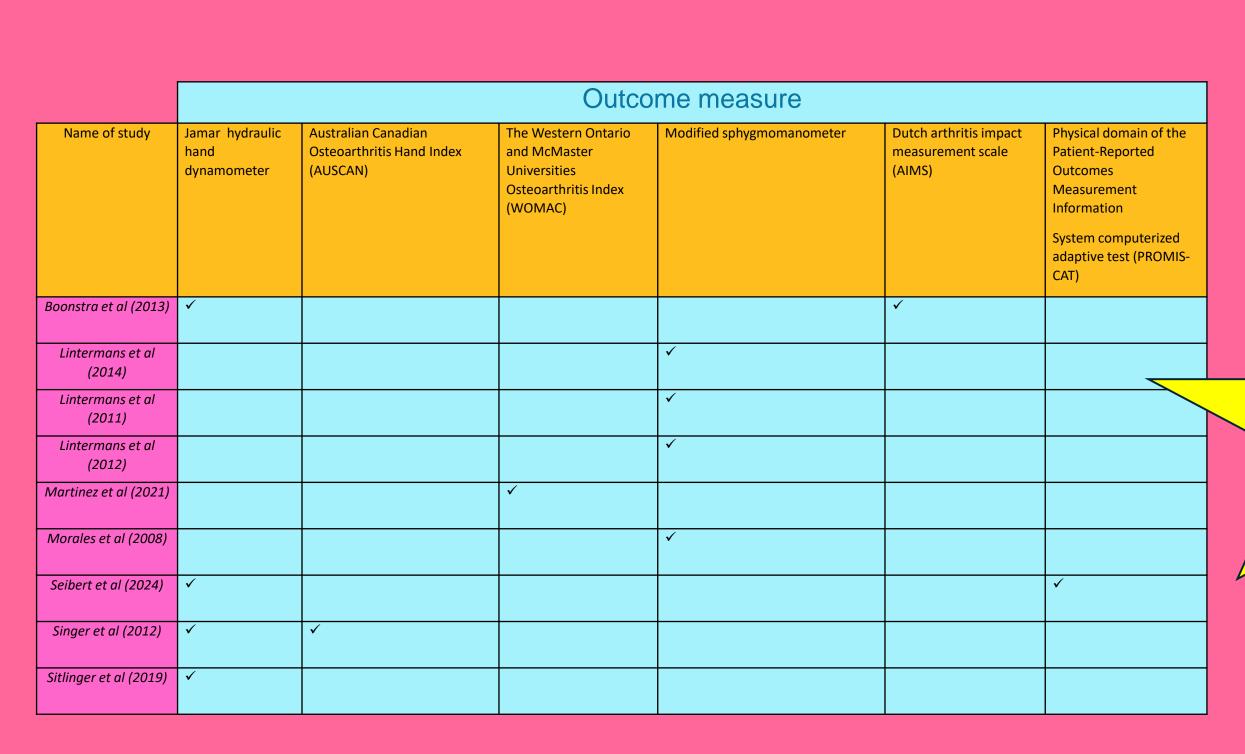
Method

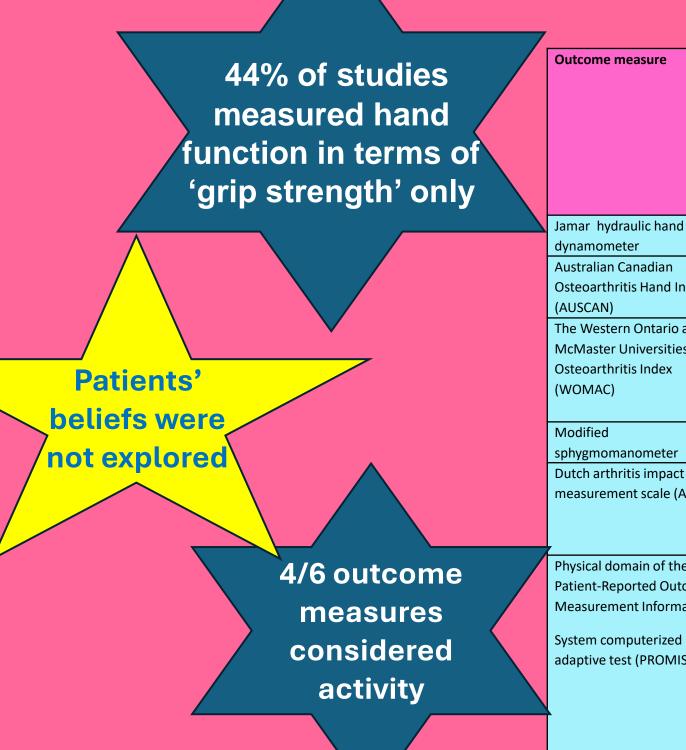
- Scoping review of the literature was conducted in December 2023.
- Included studies with participants over the age of 18 years receiving endocrine treatment for their cancer.
- Original articles in English from 2000 onwards were included.

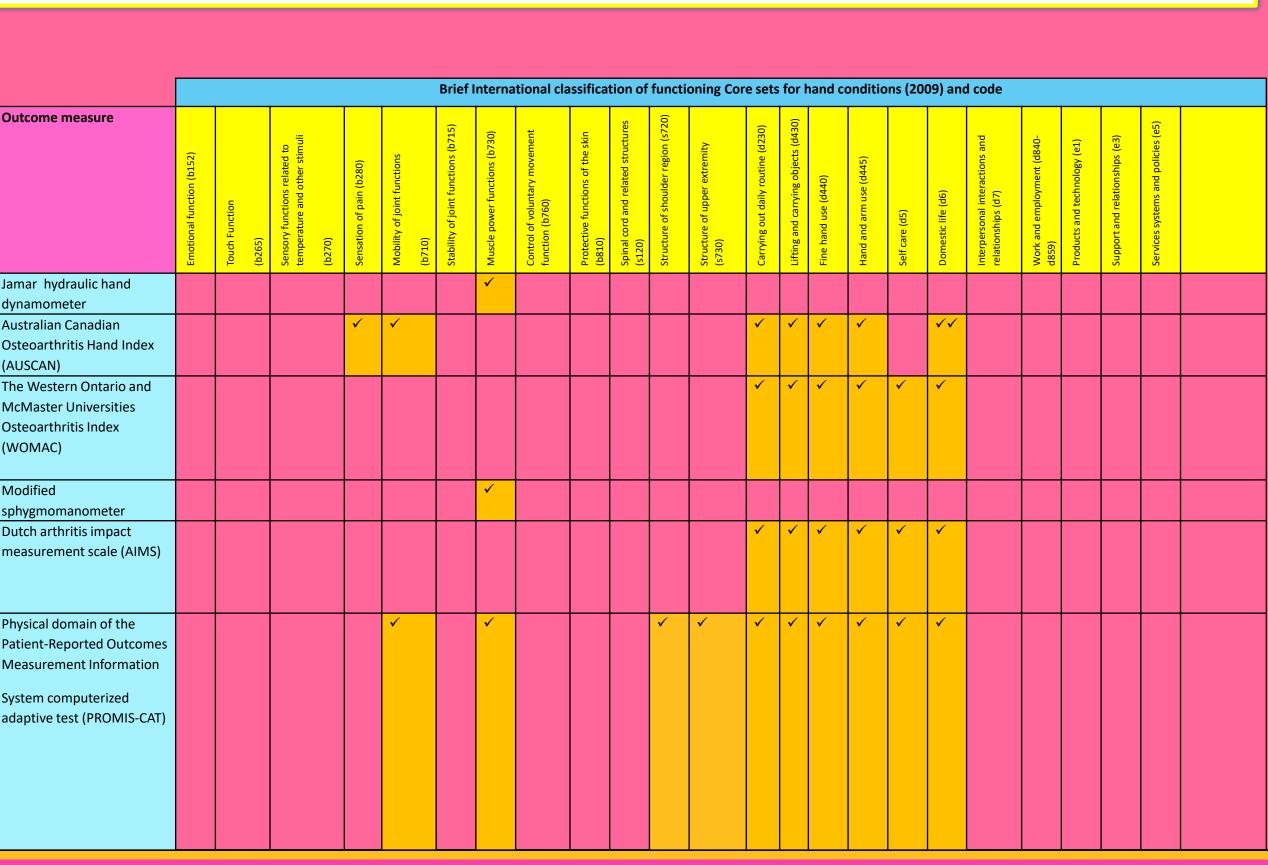


Results

- Of the 76 records identified, 9 studies met the inclusion criteria.
- From the 9 studies, there were 6 different outcome measures used to quantity hand function
- The Modified Sphygmomanometer and Jamar Hydraulic Hand Dynamometer were the most frequently used







What's next...?

"Time to listen"

Embedded consultation- create an

advisory group of people to discover

Conclusion

- Against the International Classification of Functioning core sets for hand conditions, the outcome measures identified did not always consider the complexity of hand function
- This limits the understanding of how Als affect hand function for individuals living with cancer.
- Further research is required to gain insight into how hand function is affected by Als and the hand therapists' role in their rehabilitation

Acknowledgements

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National Institute for

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now their hands are affected to shape and influence through relevant perspective. From the Patient and Public involvementdiscover the most relevant outcome measure that measures hand function Authentic co-design research looking at the effect of hand function for patients taking Als for their cancer Contact

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Nasrazadani A, Brufsky AM. Aromatase Inhibitor-Associated Musculoskeletal Syndrome: Understanding Mechanisms and Management. Front Endocrinol. 2021 Jul 27:12 aston RG. Aromatase inhibitors and their side effects: what hand surgeons should know. J Hand Surg Am. 2010 Jul;35(7) 3Kus S, Dereskewitz C, Coenen M, Rauch A, Rudolf K-D. International Classification of Functioning, Disability and Health: development of an assessment set to evaluate functioning based on the Brief ICF Core Set for Hand Conditions – ICF