INPLASY PROTOCOL

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Review Stage at time of this submission: **Preliminary searches.**

Conflicts of interest:
None declared.

Ultrasound Imaging, Guidance and Treatment for Shoulder Joints and Related Painful Syndromes: a Study Protocol for a Bibliometric Analysis

Chang, KV[1].

Review question / Objective: **The bibliometric analysis aims to investigate the bibliometric data among publications focusing on ultrasound imaging and therapy for shoulder joints and related painful syndromes.**
Condition being studied: **To examine the bibliometric data among publications focusing on ultrasound imaging and therapy for shoulder joints and related painful syndromes.**
Eligibility criteria: **We will include articles and reviews that used ultrasound imaging, guidance and therapy for the assessment and management of shoulders and pertinent musculoskeletal disorders. Clinical, cadaveric and basic research are all within the scope of the present bibliometric analysis.**

INPLASY registration number: This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 05 July 2022 and was last updated on 05 July 2022 (registration number INPLASY202270016).

INTRODUCTION

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Condition being studied: **To examine the bibliometric data among publications focusing on ultrasound imaging and**

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therapy for shoulder joints and related painful syndromes.

METHODS

Search strategy: The combinations of the following keywords will be used for literature search, including "ultrasound", "ultrasonic", "ultrasonography", "ultrasonographic", "sonoelastography", "sonography", "sonographic", "US", "shoulder", "shoulders", "shoulder pain", "painful shoulder", "impingement syndrome", "adhesive capsulitis", "calcifying tendinitis", "calcific tendinitis", "Hill-Sachs lesion", "quadrilateral space syndrome", "os acromiale", "subcoracoid impingement", "rotator cuff", "rotator interval", "rotator cable", "biceps", "bicipital groove", "subscapularis", "supraspinatus", "infraspinatus", "teres minor", "clavicle", "coracoid" or "acromioclavicular joint" or "acromiohumeral distance" or "coracoacromial ligament" or "coracohumeral ligament" or "glenohumeral joint" or "glenoid labrum" or "subacromial" or "suprascapular nerve" or "suprascapular notch" or "scapular" or "axillary nerve" or "posterior circumflex humeral artery").

Participant or population: Patients undergoing ultrasound imaging, guided intervention and therapy for shoulder joints and related painful syndrome

Intervention: Ultrasound.

Comparator: Not applicable.

Study designs to be included: Articles and reviews that use ultrasound imaging, guidance and therapy for the assessment and management of shoulders and pertinent musculoskeletal disorders.

Eligibility criteria: We will include articles and reviews that used ultrasound imaging, guidance and therapy for the assessment and management of shoulders and pertinent musculoskeletal disorders. Clinical, cadaveric and basic research are all within the scope of the present bibliometric analysis.

Information sources: Web of Science databases will be searched for the relevant studies without language restriction. Conference abstracts, letter and editorial material will be excluded from the present bibliometric analysis.

Main outcome(s): Our main outcome includes publication output, authoritative journals/countries/institutions/authors, keywords, references and citations.

Quality assessment / Risk of bias analysis: Not applicable.

Strategy of data synthesis: The linear regression, performed by Microsoft Excel 2019, will be used for analyzing the trend of the annual publications over time. CiteSpace 6.1 R2, a widely used scientometric analytic tool, will be applied for producing the co-citation network map. A p value <0.05 was considered statistically significance.

Subgroup analysis: Not applicable.

Sensitivity analysis: Not applicable.

Language: No limitation of languages.

Country(ies) involved: Taiwan.

Keywords: Sonography, imaging, shoulder, pain, bibliometric.

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