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Regenerative therapies for carpometacarpal arthritis – a Systematic Review

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Hasiba-Pappas, S¹; Kamolz, LP²; Luze, H³; Nischwitz, SP⁴; Winter, R⁵.

Corresponding author:

Sophie Hasiba-Pappas

sophie.hasiba@gmail.com

Author Affiliation:

Research Unit for Tissue Regeneration, Repair and Reconstruction, Division of Plastic, Aesthetic and Reconstructive Surgery, Department of Surgery, Medical University of Graz.

ADMINISTRATIVE INFORMATION

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Conflicts of interest - None declared.

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Amendments - This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 31 August 2023 and was last updated on 31 August 2023.

INTRODUCTION

Review question / Objective The aim of this study is to (1) review the current literature on therapies with re-generative potential for CMC-1 arthritis, (2) provide an update on PRP and fat grafting for basal thumb arthritis and (3) present and discuss the outcome of the currently available studies.

Condition being studied Carpometacarpal arthritis.

METHODS

Participant or population Studies on human patients with CMC-1 arthritis.

Intervention n.a.

Comparator n.a.

Study designs to be included Case reviews, retrospective studies, RCTS, prospective Studies.

Eligibility criteria Studies on human patients with CMC-1 arthritis patients treated with LLLT, PRP, fat grafting or other regelnative interventions.

Information sources Ovid database; PubMed.

Main outcome(s) Quantitative and quality of current literature outcome of available studies.

Quality assessment / Risk of bias analysis n.a.

Strategy of data synthesis n.a.

Subgroup analysis n.a.

Sensitivity analysis n.a.

Country(ies) involved Austria.

Keywords carpometacarpal arthritis; rhizarthrosis; regenerative therapy; platelet-rich plasma; fat grafting; lipofilling; photo therapy; LLLT; chondrocyte transplant.

Contributions of each author

Author 1 - Sophie Hasiba-Pappas.

Author 2 - Lars-Peter Kamolz.

Author 3 - Hanna Luze.

Author 4 - Sebastian P. Nischwitz.

Author 5 - Raimund Winter.