

INPLASY PROTOCOL

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The role of tight junctions in atopic dermatitis: A systematic review

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Review Stage at time of this submission: Completed but not published.

Conflicts of interest:
None declared.

Review question / Objective: The role of tight junctions in atopic dermatitis.

Eligibility criteria: Inclusion criteria: Literature from 2009 to 2022, studies written in English. Exclusion criteria: articles focused in diseases other than atopic dermatitis, articles whose full-text version was not available, articles written in language other than English.

Main outcome(s): Exploring the crosstalk between TJs and the immune system, in order to develop topical agents that improve TJs functionality. Publication of new data is possible to change our current knowledge as presented in this review in the future, as this is an emerging field.

INPLASY registration number: This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 06 January 2023 and was last updated on 06 January 2023 (registration number INPLASY202310012).

INTRODUCTION

Review question / Objective: Atopic dermatitis is an inflammatory disease that affects up to 20% of children and up to 14% of adults.

Condition being studied: Atopic dermatitis is an inflammatory disease that affects up to 20% of children and up to 14% of adults

METHODS

Participant or population: No participants have been used in this review.

Intervention: Not applicable.

Comparator: Not applicable.

Study designs to be included: It is a descriptive study.

Eligibility criteria: Inclusion criteria: Literature from 2009 to 2022, studies written in english. Exclusion criteria: articles focused in diseases other than atopic dermatitis, articles whose full-text version was not available, articles written in language other than english.

Information sources: We performed the literature search in Pubmed, Cockhrane Library, Google Scholar.

Main outcome(s): Exploring the crosstalk between TJs and the immune system, in order to develop topical agents that improve TJs functionality. Publication of new data is possible to change our current knowledge as presented in this review in the future, as this is an emerging field.

Quality assessment / Risk of bias analysis: Not applicable.

Strategy of data synthesis: Not applicable.

Subgroup analysis: Not applicable.

Sensitivity analysis: Not applicable.

Country(ies) involved: Greece.

Keywords: atopic dermatitis, atopic eczema, tight junctions, claudins.

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