NOV 02, 2023

OPEN ACCESS

DOI:
dx.doi.org/10.17504/protocols.io.6qpvr3rwzvmk/v1

Protocol Citation: Mateusz Matwiejuk, Hanna Myśliwiec, Adrian Chabowski, Iwona Flisiak 2023. An overview of growth factors as the potential link between psoriasis and metabolic syndrome. . **protocols.io** https://dx.doi.org/10.17504/protocols.io.6qpvr3rwzvmk/v1

MANUSCRIPT CITATION:

An overview of growth factors as the potential link between psoriasis and metabolic syndrome.

Mateusz Matwiejuk[1], Hanna Myśliwiec[1], Adrian Chabowski[2], Iwona Flisiak[1]

[1]Department of Dermatology and Venereology, Medical University of Bialystok;
[2]Department of Physiology, Medical University of Bialystok

Mateusz Matwiejuk

ABSTRACT

Psoriasis
is a chronic, complex, immunologically mediated, systematic disease that can not only affect the skin but also the joints, and nails. It may coexist with various other disorders such as depression, psoriatic arthritis, cardiovascular diseases, diabetes mellitus, and metabolic syndrome. In particular, the potential link between psoriasis and metabolic syndrome is worthy of an attention issue. A dysregulated level of growth factors could potentially contribute to the disturbances of keratinocyte proliferation, inflammation, and severity of itch. However, the
pathophysiology of psoriasis and its comorbidities, such as metabolic syndrome, remain incompletely elucidated. Growth factors and their abnormal metabolism may
be the potential link connecting this conditions. Overall, the objective of this review is to analyze the role of growth factors disturbances in psoriasis and in metabolic syndrome.

ATTACHMENTS

GF PRISMA_2020_checklist.docx

References.docx

Methodological approach.docx

Protocol status: Working
We use this protocol and it's working

Created: Nov 01, 2023

Last Modified: Nov 02, 2023

PROTOCOL integer ID: 90258

MATERIALS

A medical literature search of PubMed (1985–present) conducted in the spring of 2023, was performed using appropriate terms without date limitations. The main subject of the research was to identify the role of growth factors as a potential bridge between metabolic syndrome and psoriasis. Medical subject headline terms included “b-FGF and skin”, “b-FGF and skin diseases”, “b-FGF and psoriasis”, “b-FGF and metabolic syndrome”, “HGF and skin”, “HGF and skin diseases”, “HGF and psoriasis”, “HGF and metabolic syndrome”, “NGFb and skin”, “NGFb and skin diseases”, “NGF and psoriasis”, “NGFb and metabolic syndrome”, “SCF and skin”, “SCF and skin diseases”, “SCF and psoriasis”, “SCF and metabolic syndrome”, “PDGF-BB and skin”, “PDGF-BB and skin diseases”, “PDGF-BB and psoriasis”, “PDGF-BB and metabolic syndrome”, “M-CSF and skin”, “M-CSF and skin diseases”, “M-CSF and psoriasis”, and “M-CSF and metabolic syndrome”.

1 Identification of records. Databases (n = 1) Pubmed

2 Screening of records

Records screened (n = 1579)

3 Records excluded (n = 1372)
No data available
Abstracts

4 Reports assesed for eligibility (n = 207)

5 Reports excluded

Reason 1 (n = 38) Duplications

Reason 2 (n = 77) Out of scope

6 Studies included in review (n = 92)