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Research Article

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Development of a Method of Isolating Exosomes from Cell Cultivations

Published On: May 28, 2025 | Pages: 008 - 012

Author(s): Desyatova M, Antonova S, Ufimtseva M, Korotkov A and Makeyev O*

The results of epidemiological studies conducted in divergent countries demonstrate the high prevalence of Atopic Dermatitis (AD) and the dynamics of the increase in the incidence of this pathology over the past decades. According to current research, AD is a multi-factorial disease, the pathogenesis of which is associated with both mutations in genes encoding epiderm ...

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Aryl Hydrocarbon Receptor Activity in Patients Receiving Narrowband UVB Therapy

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Author(s): Rowland Noakes*

Narrowband UVB is used by dermatologists to treat atopic dermatitis and psoriasis. Although multimodal in its mechanism of action, the photo-oxidation of L-tryptophan to 6-formylindolo [3,2-b] carbazole, a potent Aryl Hydrocarbon Receptor (AHR) agonist, is proposed to play a role. This study aimed to assess AHR induction in patients treated with Narrowband UVB (NBUVB) ...

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Review Article

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Dietary Modulation of the NLRP3 Inflammasome in Inflammatory Skin Disease: A

Targeted Review

Published On: July 16, 2025 | Pages: 013 - 021

Author(s): Andres D Parga*, Hannah Coven, Naif Hebo, Lejla Hodzic, Olivia Lim, Nickoulet Babaei and Selene M Kizy

The NOD-like receptor protein 3 (NLRP3) inflammasome plays a central role in the pathogenesis of numerous inflammatory skin diseases, including psoriasis, atopic dermatitis, acne, and hidradenitis suppurativa. Emerging evidence suggests that dietary factors can significantly modulate NLRP3 activation through pathways involving oxidative stress, mitochondrial dysfuncti ...

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Case Report

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Unique Herbal-Based Topical Is Comparable to Prescription Retinoid's Impact on Photoaging and Repair Biomarkers

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Author(s): Carl R Thornfeldt* and Donna Smith

A randomized controlled blinded pilot trial to evaluate the expression of key biomarkers of a topical cream comprising a unique blend of Herbal Extracts (HE) providing anti-inflammatory and stratum corneum repair compared to Tretinoin (Tr) 0.02% cream. Eight peri and post-menopausal women of skin types I-III with moderate to severe photodamage on forearms were evaluat ...

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