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Abstract

# Mesenchymal stem cells work against chronic inflammation in rats

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## Abstract:

The variety of chronic diseases caused by chronic inflammation is an unresolved problem in developed countries. In this regard, in modern medicine, there are no adequate, pathogenetic mechanisms of treatment or improving the life quality for people with the so-called "diseases of civilization." This study aimed to investigate the anti-inflammatory and immune modulatory capacity of mesenchymal stem cells (MSCs) in a rat model of secondary chronic inflammation of λ-carrageenan. The study was carried out on 132 male Wistar rats weighing 180-200 g, divided into 12 groups. The inflammation model was a chronic aseptic inflammation caused by an intramuscular injection of 10 mg λ-carrageenan (Sigma-Aldrich GmbH) into the right thigh

## Biography:

Currently working at Kharkiv National Medical University, Ukraine.

## Recent Publications:

1. Ovarian Rejuvenation through Platelet-Rich Autologous Plasma (PRP)—a Chance to Have a Baby Without Donor Eggs, Improving the Life Quality of Women Suffering from Early Menopause Without Synthetic Hormonal Treatment

2. Anti-inflammatory Activity of Mesenchymal Stem Cells in λ-Carrageenan-Induced Chronic Inflammation in Rats: Reactions of the Blood System, Leukocyte-Monocyte Ratio
3. Mesenchymal Stem Cells Anti-Inflammatory Activity in Rats: Proinflammatory Cytokines



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